

Prof. N. Thajuddin, Ph.D., D.Sc.,



Pro – Vice Chancellor

B. S. Abdur Rahman Crescent Institute of Science & Technology
(Deemed to be University)
Vandalur
Chennai – 600 048
Tamil Nadu, India.

Formerly

Professor & Head, Department of Microbiology (14.5 & 9.9 years)

Bharathidasan University, Tiruchirappalli – 620 024, Tamil Nadu, India

Syndicate Member - Bharathidasan University (March 2009 - January 2010)

Senate Member - Bharathidasan University (May 2007 - June 2019)

Dean - Faculty of Science, Engineering & Technology (June 24, 2015 –June 3, 2019)

Coordinator - DST-PURSE Programme (June 2016 – February 2022)

Coordinator / Principal Investigator

National Repository for Microalgae and Cyanobacteria - Freshwater & Marine
(NRMC – F & M) (Sponsored by DBT, Govt. of India)

Director - National Facility for Marine Cyanobacteria (NFMC) (DBT, Govt. of India)

President - Alumni Association (2007 – 2011)

Programme Coordinator - V - Year Integrated M.Sc. Life Sciences (2019 – 2022)

Chair - Centre for Excellence in the School of Life Sciences (2017 – 2022)

Coordinator - Centre for Excellence in School of Life Sciences (from.2017 to 2023)

Convener - World Class Curriculum Development Cell in Biological Sciences (2017 – 2022)

Member Secretary - Institutional Biosafety Committee (IBSC) (2016 – 2022)

Member Secretary - Institutional Ethical Committee (IEC) (2018 – 2022)

Editor in –Chief - Bharathidasan Journal of Science & Technology (2018 – 2022)

Library i/c - School of Life Science – (2016 – 2022) Bharathidasan University

Summary of Academic & Administrative Activities ...

- 31 years of Teaching and 35 years of Research experiences
- Area of Specialization – Microbiology (Cyanobacteria & Microalgal taxonomy & Biotechnology)
- Underwent a year training in USA as Post-Doctoral Research Associate (Long Term) through DBT (Govt. of India) Overseas Award.
- Total number of publications – 410, including 60 book chapters/reviews & 3 papers in Nature Group Journals
- Countries officially visited – USA, UK, KSA, Honk Kong, Singapore, Malaysia, Germany, South Korea, Sweden, Denmark, Finland and Italy.
- Books published – 11 (under TANSCHÉ, Elsevier, CRC Press, Springer Nature & InTech publishers, etc.)
- Grants received for personal Research projects & programmes: 6.29 crores.
- Grants received other than personal research (UGC-Non SAP, DST - PURSE, FIST) - Rs. 18.39 crores.
- Number of Ph.D's produced: 36 candidates (including 10 candidates as Co-guide)
- Number of M.Phil. candidates guided: 31 & M.Sc. Project guidance: 142 candidates
- Post-Doctoral guidance – Guided: 14 PDFs.
- Presented 111 papers in 45 International level Conferences/ Symposia and 368 papers in 92 National level Conferences/Symposia/ Seminars in which 52 Papers have received Best Paper Awards / Cash Prizes
- As chief guest and a resource person delivered Lead & Plenary lectures, Keynote, Inaugural and Valedictory addresses in 411 conferences, seminars, symposia, refresher courses, DST – INSPIRE programmes, webinars, training programmes & workshops.
- Chaired 40 technical sessions in conferences and symposia.
- As a chief guest delivered 5 graduation day addresses.
Received 22 awards from different organizations including prestigious TANSA award (TNSCST); Senior Scientist Award from Microbiologist Society, Life Time Achievement Award from Society of Chemical & Synthetic Biology; Elected Fellow of Royal Society of Biology (FRSB) London, Fellow of Mycological Society, India (FMSI), Fellow of National Academy of Biological Sciences (FNABS) and Fellow of the Linnean Society (FLS) London, Fellow of Microbiologists Society, India (FMBSI).
- Organized 5 Refresher Courses, 3 DST-INSPIRE programmes, 8 Symposia, 2 International Conferences, 2 Seminars and 8 Workshops.
- Gave 4 All India Radio talks.
- Acted as Doctoral Committee member for 170 Ph.D. candidates.
- Four Indian Patents and two US patents filed & published in the Patent Office Journal, of which one US patent is granted on April 2022.
- 5 MoUs signed with the universities & institutions at Republic of Korea, P.R. China and Taiwan. Two MoUs worth of 11.7 lakhs with Industries on effluent treatment using microalgae.
- Total numbers of nucleotides/ genes deposited in the GenBank – 639, Barcode of 6 Fungi & whole genome sequences of 7 cyanobacteria.
- Evaluated Ph.D. thesis from other Universities – 155.
- Publications received total Citations – 12127; with h index – 53; i_{10} index – 190 (as on June 2, 2024). Total Impact factor – ~500.77
- Key role in the establishment of National Facility for Marine Cyanobacteria (DBT, Govt. of India)
- Established National Repository for Freshwater Microalgae & Cyanobacteria (NRMCF) funded by DBT, Govt. of India) (NRMCF website: www.nrmcf.org).
- Establishment of “Professor N. Thajuddin Endowment Gold Medal Award” by my Ph.D. Students to be given to the First Rank student of M.Sc. Microbiology of Bharathidasan University Department from 2024 Convocation Ceremony of Bharathidasan University every year.
- Listed under Top 2% Scientist of the World in Microbiology published by Stanford University, USA (2020, 2021, 2022 & 2023).

CURICULUM VITAE

1. Name: Dr. N. Thajuddin D.Sc.

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(Formerly) Professor & Head, Department of Microbiology
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 Coordinator, M.Sc. Life Sciences (Five Year Integrated Programme)
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2. Date & Place of Birth: 6. 8.1962; Thirumanilaiyur, Karur – 639 003.

3. Educational Qualifications

Degree	Subject	Institution/University	Month &Year	Class
D.Sc.	Botany	Periyar University Salem, 636 011, India	January 2022	-
Ph.D.	Botany	Department of Botany Bharathidasan University Tiruchirappalli – 620 024, India	August, 1991	-
M.Phil.	Botany	A.V.V.M.Sri Pushpam College Poondi - 613 503, Thanjavur District Bharathidasan University	May, 1987	I
M.Sc.	Botany	Govt. Arts College, Karur - 639 005 Bharathidasan University	April, 1985	I
B.Sc.	Botany	Govt. Arts College, Karur - 639 005 University of Madras	April, 1983	I

4. Teaching Experience

Institution	Designation	Period		Total Years	Period Months
		From	To		
Bharathidasan University	Lecturer	11.9.1991	10.9.1996	5	-
Bharathidasan University	Senior Lecturer	11.9.1996	10. 9.2001	5	-
Bharathidasan University	Reader	11.9.2001	31.12.2005	4	3
Bharathidasan University	Associate Professor	1.1.2006	31.12.2008	2	-
Bharathidasan University	Professor	1.1.2009	30.8.2023	14	5

5. Administrative Experiences

Position	Organization	From	To	Experience
Syndicate Member	Bharathidasan University	3. 3. 2009	22.1. 2010	10 months
Senate Member	Bharathidasan University	May 2007	June 2019	12 years
Dean, Faculty of Science, Engineering and Technology	Bharathidasan University	24.6.2015	2.6.2019	4 years
Member, Standing Committee on Academic Affairs	Bharathidasan University	May 2007	June 2019	12 years
Chair, School of Life Sciences	Bharathidasan University	1.7.2017	15.11.2022	5 years & 4 Months
Head i/c, Microbiology	Bharathidasan University	15.5.2007	10.9.2008	1 year & 4 months
Head, Microbiology	Bharathidasan University	11.9.2008	22.9.2011	3 years
Head i/c, Microbiology	Bharathidasan University	13.10 2012	12.10.2013	1 year & 0 month
Head, Microbiology	Bharathidasan University	11.1.2015	30.6.2019	4 years & 5 months
Co-ordinator, DST-PURSE	Bharathidasan University	20.7.2016	18.2.2022	5 years & 6 months
Library i/c, Life Science	Bharathidasan University	4.11.2016	9.1.2023	6 years & 2 months
Convener, World Class Curriculum Development Cell, Biological Sciences	Bharathidasan University	31.5.2017	31.8.2022	5 years & 3 months
Editor in-chief, Bharathidasan Journal of Science & Technology	Bharathidasan University	6.9.2018	31.8.2022	4 years
Member Secretary, Institutional Ethical Committee (IEC)	Bharathidasan University	27.2.2018	31.8.2022	4 years & 1 months
Member Secretary, Institutional Biosafety Committee (IBSC)	Bharathidasan University	31.10.2016	31.8.2022	6 years
Programme Co-ordinator, V year M.Sc. Life Sciences, School of Life Sciences	Bharathidasan University	18.10 2019	2.11.2022	3 years
Co-ordinator, Centre for Excellence in the School of Life Sciences.	Bharathidasan University	9. 11. 2017	2.11.2022	4 Years & 11 months
Principal Investigator National Repository for Microalgae & Cyanobacteria – Fresh water	Bharathidasan University	26.3.2015	30.6.2023	8 years & 3 months
Director National Facility for Marine Cyanobacteria (NFMC)	Bharathidasan University	24.1.2022	30.6.2023	1 year & 5 months
Adjunct Professor, Dept. Microbiology	Thassim Beevi Abdul Kader College of Women Kilakarai	5.10 2018	5.10 2019	1 year

6. Post - Doctoral Fellow (PDF / RA.) :

Institution	Funding	From	To	Total Period
Department of Biology Rensselaer Polytechnic Institute Troy, New York, 12180-3590, U.S.A.	Dept. of Biotechnology (Govt. of India) Overseas Award (Long Term)	1.4.1996	31.3.1997	1 year

7. Doctoral Fellow (JRF & SRF) :

Position	Funding	From	To	Total Period
Junior Research Fellow	Dept. of Ocean Development (DOD) (Govt. of India) New Delhi	February 1987	February 1989	2 years
Senior Research Fellow Department of Botany Bharathidasan University Tiruchirappalli – 620 024		February 1989	February 1990	1 year

8. School Education







1st Std. – 7th Std. (1974) - Municipal Thirumanilaiyur Middle School, Karur- 639 003.

8th Std – SSLC (1974 - 1977) - C.S.I. High School, Karur – 639 001.

Pre-University Course

PUC (1979) – Government Arts College, Karur – 639 005.

9. Area of Research at Post Graduate, Doctoral & Post Doctoral levels

Title / year	Name of the research supervisors		Title of the Thesis/Dissertation/Research
M.Sc. (Botany) (1985)	Dr. G. Thirupurasundari Department of Botany Govt. Arts College, Karur & Dr. T. Marimuthu All India Co-ordinated Research Project on Beetle vine Diseases, Tamil Nadu Agricultural University Station, Velur, Salem Dt.	 	Certain physiological changes in Betel vine (<i>Piper betle</i> L.) infected with <i>Xanthomonas campestris</i> pv <i>betlicola</i>
M.Phil. (Botany) (1986 –1987)	Dr. S. Balakrishnan Department of Botany AVVM Sri Pushpam College, Poondi, Thanjavur		Studies of Algae in Industrial Effluents
Ph.D. (Botany) (1987 -1991)	Dr. G. Subramanian Department of Botany Bharathidasan University Tiruchirappalli		Marine cyanobacterial flora of the southern east coast of India - Survey and Ecobiological Studies.
Post- Doctoral (April 1996 – March 1997)	Dr. Sandra A. Nierzwicki-Bauer Department of Biology Rensselaer Polytechnic Institute Troy, NY, USA		16S rDNA and phylogenetic studies on cyanobacterial and bacterial endosymbionts of water fern <i>Azolla</i> .
D.Sc. (Botany) January 2022	-Self- Periyar University Salem – 636 011		Biodiversity and Biotechnological Potentials of Microalgae & Cyanobacteria.

10. Research Projects / Grants Received:

No	Project title	Funding Agency	Period	Amount
1	Microalgal Biodiversity of Bharathidasan University campus	UGC Unassigned Grant, Bharathidasan University	1999 - 2000	Rs. 20,000/-
2	Molecular Biology of Marine Cyanobacteria with reference to Taxonomy and Establishment of molecular Data Bank	MoES (DOD) Govt. of India	2006 – 2009	Rs. 8,59,165/-
3	Molecular characterization on Group I self-splicing introns within the phylogenetically diverse cyanobacteria.	University Grants Commission (UGC), Govt. of India	2009 - 2012	Rs. 9,64,800/-
4	Entrepreneurship programme of Oyster Mushroom cultivation technology for SC/ST population in and around Tiruchirappalli District	Dept. of Biotechnology (DBT) Govt. of India	2009 - 2012	Rs. 9,24,000/-
5	Pilot scale demonstration of Algal oil production with a target of at least 100 litres of oil production / month	Dept. of Biotechnology (DBT) Govt. of India	2009 - 2012	Rs.50,69,000/-
6	INSPIRE internship program	Department of Science & Technology (DST), Govt. of India	2010	Rs.13,00,000/-
7	INSPIRE internship program	Department of Science & Technology (DST), Govt. of India	2011	Rs.13,00,000/-
8	INSPIRE internship program	Department of Science & Technology (DST), Govt. of India	2013	Rs.13,00,000/-
9	Antipathogenic potential of marine cyanobacteria in preventing quorum sensing dependent bacterial infections among aquaculture organisms	Dept. of Biotechnology (DBT) Govt. of India	2012 - 2015	Rs.19,25,645/-
10	Studies on Algal Blooms, their characterization and the factors influence bloom formation	Dept. of Biotechnology (DBT) Govt. of India	2013 - 2015	Rs.44,27,000/-
11	CO ₂ sequestration using hypersaline microalgae: Selection, optimization and large-scale demonstration	Dept. of Science & Technology (DST), Govt. of India	2013 - 2016	Rs.31,52,669/-

	through raceway pond cultivation			
12	Using flow cytometry and genomics to characterize and optimize microalgal: bacterial consortia cultivated on waste water to produce biomass for biofuel.	Indo-UK Project Dept. of Biotechnology (DBT) Govt. of India	2013 - 2016	Rs.1,43,82,800/-
13	Establishment of National Repository for Microalgae & Cyanobacteria – Freshwater (NRMCF)	Dept. of Biotechnology (DBT) Govt. of India	2015 - 2018	Rs. 85,35,000/-
14	UGC-BSR One Time Grant.	University Grants Commission, Govt. of India.	2015–2016.	Rs. 7,00,000/-
15	Monitoring & Assessment of Rivers for Emerging Pollutants and Phycoremediation (Joint project with Dr. R. Babu Rajendran, BDU)	Dept. of Biotechnology (DBT) Govt. of India	2017-2020	Rs. 36,50,000/-
16	Culturable Actinomycetes associated with coastal Lichens: A potential source of bioactive compounds.	Dept. of Biotechnology (DBT) Govt. of India	2017 - 2020	Rs. 42,64,700/-
17	Establishment of National Repository for Microalgae & Cyanobacteria – Freshwater (NRMCF) - Phase II	Dept. of Biotechnology (DBT) Govt. of India	2021 - 2023	Rs. 90,00,000/-
18	Bioremediation of Municipal Solid Waste Leachate using microalgae (Consultancy project)	Zigma Global Environ Solution Private Limited, Erode.	2022	Rs. 7,24,500/-
19	Waste water treatment utilizing Microalgae (Consultancy project)	Kwalitee Algae Farms Karur	2022	Rs. 4,48,500/-
Total				Rs.6,29,47,779/-

11.Countries Visited:

United States of America, Honk Kong, Singapore, Malaysia, United Kingdom, Germany, Kingdom of Saudi Arabia, Republic of Korea, Sweden, Denmark, Finland and Italy.

No.	Purpose	Country	Period
1.	Post-Doctoral Research and learned Bacterial culture preservation and maintenance through DBT (Govt. of India) Overseas Award	Department of Biology Rensselaer Polytechnic Institute Troy, New York, USA American Type Culture Collection Maryland, USA	April 1, 1996 to March 30, 1997.
2	Research Collaboration under MoU & Paper presentation in International Conference.	University of Hong Kong, Hong Kong	3 - 6 July, 2000
3	Participated Biology in Asia International Conference and presented 2 papers.	The Singapore Institute of Biology C/o Department of Biological Sciences National University of Singapore Singapore	7 – 10 December, 2004
4	Discussions on various aspects of Mycorrhizal Biofertilizer technology and possibility of future collaborations.	Malaysian Agri Hi-tech Research Centre, Selangor Malaysia	11 – 13 December 2004
5.	Exchange visit and discussions for our Collaborative Indo-UK Project (DBT, Govt. of India) and training of Flowcam, Flow-cytometry, LC MS etc.	Plymouth Marine Laboratory, Plymouth. UK Cambridge University, Botany School, Cambridge, UK Swansea University Swansea, Wales, UK	14 to 21, June 2014 23 June, 2014 17 – 21 May 2016
6	Participated 22 nd European Biomass Conference and Exhibition (EU BC 2014) and presented a research paper	CCH – Congress Centre Hamburg, Germany	25 th June, 2014
7	Delivered special Lecture and scientific discussions with the faculty & students and initiated process of research collaboration	Department of Botany and Microbiology, College of Science, King Saud University Riyadh, KSA	5 – 12 April, 2015
8.	Exchange visits through MoU signed, planning for joint projects, Publications and Invited Lectures.	1. Incheon National University, Incheon 2. Korea Institute of Energy Research (KIER), Daejeon 3. Centre for Surface Technology and Application (CeSTA), Korea Aerospace University Republic of Korea	29 th June to 2 nd July 2015
9.	Interactions & planning for research collaboration, Invited lecture	Department of Technology and Society, Faculty of Engineering & Food and Biotechnology Company, Scheelevagen Lund University, Lund, Sweden	23 – 24 May, 2016 (2 Days)

10	Delivered an invited lecture and research discussions with the faculty and scholars.	Department of Chemistry and Bioengineering, Tampere University of Technology, Tampere, Finland	26 May, 2016
11.	Personal visit	Denmark	28 May, 2016
12.	Participated a seminar on Algal Biomass Production – Challenges and delivered a invited lecture on Microalgal Biotechnology.	ENEA Research Centre, Department of Sustainable Production Systems Casacci, Roma, Italy	30 th May 2016

12. Publications

(i). Citation Profile

Details	*Scopus	*Web of Science	**Google Scholar
Number of Citations	5683	4451	12127
h-Index	35	34	53
i-10 index	-		190

*As on June 21, 2023 ** As on June 2, 2024.

(ii). List of Research Publications:

- *Subramanian, G., Sundararaman, M., **Thajuddin, N.**, Prabakaran, D. and Sekar, S. (1989) Survey of cyanobacterial flora in the southern east coast of India. In: *Advances in Applied Phycology -II* (Ed.) Shukla, A.C., Today & Tomorrow's Printers & Publishers, New Delhi. pp. 307-321.
- ***Thajuddin, N.** and Subramanian, G. (1990) Cyanobacterial phytoplankton of the Gulf of Mannar region. In: *Proc. Natl. Symp. on Cyanobacterial Nitrogen Fixation*. IARI, New Delhi. pp. 457-463.
- Thajuddin, N.** and Subramanian, G. (1991) New reports of cyanobacteria from the southern east coast of India. *Phykos* **30**: 19-23.
- Thajuddin, N.** and Subramanian, G. (1992) Survey of cyanobacterial flora of the southern east coast of India. *Botanica Marina* **35**: 305-314 (**IF: 2.095**).
- ***Thajuddin, N.** and Subramanian, G.(1994) Marine cyanobacterial flora of south India. In: *Current Researches in Plant Sciences*. (Eds.) T.A. Sharma, S.S.Saini, M.L.Trivedi and M.Sharma, Bisen Singh &Mahendra Pal Singh, Dehra Dun. pp. 1 - 16.
- *Subramanian, G. and **Thajuddin, N.** (1995) Ecobiology of Marine Cyanobacteria. In: *Advances in Ecology and Environmental Sciences*. (Eds.) P.C. Mishra, B.K.Senapathi and B.C.Guru, Ashish Publishing House, New Delhi. pp. 189-210.
- Thajuddin, N.** and Subramanian, G. (1995) Additions to the new reports of marine cyanobacteria from the east coast of India. *Phykos* **34**: 33-37.
- ***Thajuddin, N.** and Subramanian, G. (2002) The enigmatic bloom forming marine cyanobacterium *Trichodesmium*. In: *Advances in Marine and Antarctic Sciences*. (Eds.) D. Sahoo and P.C. Pandey. APH Publishing Co. New Delhi. Chapter 4: 57 – 89.

9. **Thajuddin, N.**, Nagasathya, A., Chelladevi, R. and Saravanan, P. (2002) Biodiversity of cyanobacteria in different salt pans of Pudukkottai District, Tamil Nadu. *Seaweed Res. Utiln.* **24**: 1 – 11.
10. Vijay Antony, M., Mohan, S., Kasinathan, P. and **Thajuddin, N.** (2004). Production and properties of cellulolytic enzymes by *Trichoderma viride* and *Trichoderma harizianum* in submerged fermentation. *Asian J. Microbiol. Biotech. Env. Sci.* **6(3)**: 395-401.
11. Vijay Antony, M., Mohan, S., Kasinathan, P. and **Thajuddin, N.** (2004). Utilization and optimization of renewable resources for the stable production of cellulose degrading fungal enzymes. *Asian J. Microbiol. Biotech. Env. Sci.* **6(3)**: 71 - 76.
12. *Dhanasekaran, D., Panneerselvam, A. and **Thajuddin, N.** (2004) Antimicrobial activity of marine soil actinomycetes isolates against pathogenic bacteria. In: *Proceedings of National Symposium on Recent Trends in Biological Research.* (Eds.) A. Panneerselvam, et.al. A.V.V.M. Sri Pushpam College, Poondi – 613 503. pp 28 – 34.
13. *Jeyachitra, K., Panneerselvam, A. and **Thajuddin, N.** (2004) Biodiversity and Monthly variations of cyanobacteria from three different freshwater habitats. In: *Proceedings of National Symposium on Recent Trends in Biological Research.* (Eds.) A. Panneerselvam, et.al. A.V.V.M. Sri Pushpam College, Poondi – 613 503. pp 81 – 89.
14. Vijayakumar, R., Muthukumar, C., **Thajuddin, N.** and Panneerselvam, A (2004) Screening of antagonistic Actinomycetes from east coast of India. *J. Soil Biol.* **24(1&2)**: 71 – 77.
15. Dhanasekaran, D., Sivamani, N., Arunagrathan, N., Panneerselvam, A. and **Thajuddin, N.** (2005) Screening and identification of antibiotic producing strains of marine *Streptomyces*. *J. Microb. World* **7(1)**: 62 – 66.
16. Dhanasekaran, D., Panneerselvam, A. and **Thajuddin, N.** (2005) Antifungal Actinomycetes in marine soils of Tamilnadu. *GEOBIO* **32**: 37 – 40.
17. Vijaykumar, S., **Thajuddin, N.** and Manoharan, C. (2005). Role of cyanobacteria in the treatment of dye industry effluent. *Pollution Research* **24(1)**: 69 – 74. (IF: 0.52)
18. **Thajuddin, N.** and Subramanian, G. (2005). Cyanobacterial Biodiversity and potential applications in biotechnology. *Current Science* **89(1)**: 47 - 57. (IF: 1.169)
19. Sudha, S.S., Panneerselvam, A. and **Thajuddin, N.** (2005) Antagonistic potential of some mangrove soil fungi against *Fusarium oxysporum* and *Rhizoctonia solani*. *J. Microb. World* **7(2)**: 140 – 143.
20. Dhanasekaran, D., Archana, S., Panneerselvam, A. and **Thajuddin, N.** (2005) Aeromycoflora of indoor air of animal farm at Kalavai, Vellore District, Tamilnadu. *J. Microb. World* **7(2)**: 321 – 323.
21. Dhanasekaran, D., Sivamani, P., Panneerselvam, A., **Thajuddin, N.**, Rajakumar, G. and Selvamani, S. (2005) Biological control of Tomato seedling Damping-off with *Streptomyces* sp. *Plant Pathology Journal* **4(2)**: 91 – 95. (IF: 2.321)
22. Dhanasekaran, D., Rajakumar, G. Sivamani, P., Selvamani, S., Panneerselvam, A., and **Thajuddin, N.** (2005) Screening of salt pans Actinomycetes for antibacterial agents. *The Internet Journal of Microbiology.* **1(2)**: 1 – 6.
23. Sudha, S.S., Panneerselvam, A. and **Thajuddin, N.** (2005). Antagonistic effect of some Mangal soil fungi against *Colletotrichum falcatum* Went. and *Curvularia pallescens* (Walker) Boedijn. *GEOBIO* **32**: 288 – 290.
24. *Dhanasekaran, D., Panneerselvam, A. and **Thajuddin, N.** (2005) Diversity of antibacterial marine streptomyces from coastal region of Cuddalore District, Tamilnadu, India. In: *Proceedings of the International Conference on Recent Advances in Marine Antifouling Technology.* 420 – 428.

25. Mohan, S. Antony, M.V. Kasinathan, P. Thajuddin, N. (2005) Phytase production by *Aspergillus niger* and *A. terreus*. *Asian Journal of Microbiology Biotechnology and Environmental Sciences*. 7(2):277 – 280.
26. *Syed Jahangir, H., D. Fairoz Shirin Sulthana and N. Thajuddin (2006). Optimization of Chicken – Barbs degrading *Streptomyces* sp. In: *Proceedings of the National Symposium on Recent Trends in Microbial Biotechnology* (Eds.) R. Balagurunathan and M. Radhakrishnan, Sri Sankara Arts & Science College, Kanchipuram 71 – 79.
27. Dhanasekaran, D., Sivamani, P., Rajakumar, G., Panneerselvam, A., and Thajuddin, N. (2006) Studies on free and immobilized cells of *Bacillus* species on the production of *alpha* – amylase. *The Internet Journal of Microbiology* 2(2): 1 – 6. (IF: 020)
28. Dhanasekaran, D., Dhananjayan, S., Sivamani, P., Rajakumar, G., Panneerselvam, A., Thajuddin, N. and S. Selvamani (2006) Distribution of soil actinomycetes in northern region of Tamilnadu. *GEOBIO* 33: 332 – 333.
29. Sudha, S. S., Panneerselvam, A and N. Thajuddin (2007) Seasonal variation of cyanobacteria at Muthupet mangrove environs, Tamilnadu, South India. *Seaweed Res. Utiln.* 29 (1 &2): 263 – 271.
30. Muthukumar, C., Vijayakumar, R., Muralitharan, G., Panneerselvam, A. and N. Thajuddin (2007) Cyanobacterial biodiversity from different freshwater ponds of Thanjavur, Tamilnadu, (India). *Acta Botanica Malacitana* 32: 17 – 25.
31. Vijayakumar, S., N. Thajuddin and C. Manoharan (2007) Biodiversity of Cyanobacteria in industrial effluents. *Acta Botanica Malacitana* 32: 27 – 34.
32. Vijayakumar, S., N. Thajuddin and C. Manoharan (2007) Influence of dye effluent on the amino acid and fatty acid content of cyanobacteria. *Asian J. Microbiol. Biotech. Env. Sci.* 9 (3) : 525 – 528. (IF: 0.154)
33. Vijayakumar, R., Muthukumar, C., Thajuddin, N., Panneerselvam, A. and R. Saravanamuthu (2007). Studies on the diversity of actinomycetes in the Palk Strait region of Bay of Bengal, India. *Actinomycetologica*. 21: 59 – 65.
34. Thajuddin, N., Sandra A. Nierzwicki-Bauer and G. Subramanian (2007) Cyanobacterial Biodiversity and recent trends in their taxonomy. *BDU J. Sci. & Tech.* 1: 1 – 14. (in Tamil), 15 – 28. (in English)
35. Praveen Kumar, R., Leo Antony, M., Vijayan, D., Muthukumar, C. and N. Thajuddin (2007) Morphological diversity and phylogeny of cyanobionts from the coralloid roots of cycads. *BDU J. Sci. & Tech.* 1(2) : 169 – 176. (in Tamil) & 177 – 184 (in English).
36. Muralitharan, G. and Thajuddin, N. (2008) Evidence on the presence of tRNA^{fmet} group I introns in the marine cyanobacterium *Synechococcus elongatus*. *Journal of Microbiology and Biotechnology* 18(1) : 23 – 27 (IF: 3.277).
37. Vijayakumar, R., Muthukumar, C., Thajuddin, N., Panneerselvam, A. and R. Saravanamuthu (2008) Antagonistic activity of some actinomycetes isolated from marine soils of Point Calimere, East Coast of India. *Indian Journal of Applied Microbiology*. 8(1): 60 – 66 (IF: 0.457)
38. Sudha S. S., Panneerselvam and N. Thajuddin (2008) Antagonistic interaction of some mangrove soil fungi against plant pathogens – *Curvularia lunata* and *Drechslera ellisii*. *J. Sci. Trans. Environ. Technov.* 1(3): 154-157.
39. Nagasathya, A. and N. Thajuddin (2008) Antioxidant property of hypersaline cyanobacterium *Phormidium tenue* (KMD 33) *International Journal of Pharmacology*. 4(2): 125 – 129 (IF: 0.701).
40. Nagasathya, A. and N. Thajuddin (2008) Decolorization of paper mill effluent using hypersaline cyanobacteria. *Research Journal of Environmental Sciences*. 2(5): 408 – 414.

41. Nagasathya, A. and **N. Thajuddin** (2008) Cyanobacterial diversity in the hypersaline environment of the salt pans of southern east coast of India. *Asian Journal of Plant Sciences* 7(5): 473 – 478.
42. Nagasathya, A. and **N. Thajuddin** (2008) Diatom diversity in hypersaline environment. *Journal of Fisheries and Aquatic Science*. 3(5): 328 – 333.
43. **Thajuddin, N** and Muralitharan, G (2008) Applications of PCR based fingerprinting in the phylogeny of marine cyanobacteria. *Indian Hydrobiology* 11(1):25 - 41.
44. Singh, S. M., Singh P. and **N. Thajuddin** (2008) Biodiversity and distribution of Cyanobacteria at Dronning Maud Land, East Antarctica. *Acta Botanica Malacitana* 33: 17 – 28.
45. Senthil Kumar, R., Panneerselvam, A, **Thajuddin, N.** and R. Saravanamuthu (2008) Efficacy of Ferrous iron on cellulolytic activity of *Pestalotia psidii*. *Research Journal of Biological Science* 1(1): 21 – 25.
46. Dhanasekaran, D., **Thajuddin, N.** and A. Panneerselvam (2008) An antifungal compound: 4'-phenyl -1-naphthyl -phenyl acetamide from *Streptomyces* sp. DPTB16. *FACTA UNIVERSITATIS, Series: Medicine and Biology* 15(1): 7 – 12.
47. MubarakAli, D., Vinodh Kumar, T. and **N. Thajuddin** (2008) Screening of some selected hypersaline cyanobacterial isolates for biochemical and antibacterial activity. *Indian Hydrobiology*, 11(2): 241 – 246.
48. Dhanasekaran, D., Saha, S., **Thajuddin, N.** and A. Panneerselvam (2008) Probiotic effect of *Lactobacillus* isolates against bacterial pathogens in *Claris orientalis*. *FACTA UNIVERSITATIS Series Medicine and Biology* 15(3): 97 -102.
49. Nethaji, S., **Thajuddin, N.** and Manoharan, C. (2008) Anti-ulcer effect of *Coldenia procumbens* L. against gastric ulcer. *Asian Journal of Microbiology Biotechnology and Environmental Sciences*. 10(4): 817 – 820.
50. Dhanasekaran, D., **Thajuddin, N.**, Rashmi, M., Deepika, T.L. and M. Gunasekaran (2009) Screening of biofouling activity in marine bacterial isolate from ship hull. *Int. J. Environ. Sci. Tech.* 6(2): 197 – 202 (IF: 3.519).
51. Suganya, S., Mubarak Ali, D., Kalanithi, C. and **N. Thajuddin** (2009) Characterization and optimization of phosphate solubilization by marine bacteria isolated from Palk Strait region of Tamil Nadu. *Research Journal of Biological Sciences*, I(3): 129 – 138.
52. Dhanasekaran, D. **Thajuddin, N.** and A. Panneerselvam (2009) Distribution and ecobiology of antagonistic *Streptomyces* from agriculture and coastal soil, Tamilnadu, India. *Journal of Culture Collections*. 6: 10 – 20.
53. Ganesh Manikandan, S., Lakshminarasimhan, C., **Thajuddin, N.** and Saravanan, S. (2009) Antibacterial activity of epicarp extract of *Punica granatum* L. against Methicillin resistant *Staphylococcus aureus* (MRSA). *Medicinal and Aromatic Plant Science and Biotechnology* 3(1): 52 – 54.
54. Satheeshkumar, M., Muralitharan, G. and **N. Thajuddin.** (2009) Screening of a hypersaline cyanobacterium *Phormidium tenue* for the degradation of aromatic hydrocarbons: naphthalene and anthracene. *Biotechnology Letters* 31:1863 – 1866 (IF: 2.716).
55. Yang, R., Mohan, N., Muthukumar, C., **Thajuddin, N.** and Gunasekaran, M. (2009) Influence of cultural conditions on Glutathione Peroxidase synthesis in *Candida albicans*. *Asian Journal of Biochemistry*. 4(3): 99 – 105.
56. Nazeerullah, R., Muftah Zarmouh, Syed Jahangir, H. and **Thajuddin, N.** (2009) Bacteriological studies on pathogenic microorganisms of blood, sputum, wound and corneal samples from Indian patients. *Journal of Arab Society for Medical Research*. 4(1): 33- 40.
57. Ganesh Manikandan, S., Saravanan, R., Lakshminarasimhan, C. and **N. Thajuddin** (2009) SDS-PAGE and Western/Immunoblot Studies on Methicillin-Resistant *Staphylococcus aureus* Isolates

- from Tamil Nadu, India. *International Journal of Biomedical and Pharmaceutical Sciences* 3(1): 86 – 87.
58. Dhanasekaran, D., S. Selvamani, A. Panneerselvam and Thajuddin, N. (2009) Isolation and characterization of actinomycetes in Velar Estuary, Annagkoil, Tamilnadu. *African Journal of Biotechnology*, 8: 4159 – 4162 (IF: 0.832).
 59. Panneerselvam, K., Vijayakumar, R., Ravikumar, K., **Thajuddin, N.**, Panneerselvam, A. and C. Manoharan (2009) PCR analysis of *Cyl* operon genes encoding cytolysin toxin – a virulence factor among the clinical isolates of *Enterococcus* spp. *Research Journal of Biological Sciences*. I (4): 43 – 49.
 60. Dhanasekaran, D., **Thajuddin, N.** and A. Panneerselvam (2009) Evaluation of aflatoxicosis in Hens fed with commercial poultry feed. *Turkish Journal of Veterinary and Animal Sciences* 33(5): 385- 391 (IF: 0.597).
 61. Senthil Kumar, R., Panneerselvam, A., **Thajuddin, N.** and R. Saravanamuthu (2009) Cellulolytic activity of *Pestalotia psidii* under the influence of KH₂PO₄ and MgSO₄. *Advanced Biotech*: 22 – 23
 62. Praveen Kumar, R., Vijayan, D., Leo Antony, M., Muthukumar, C. and **Thajuddin, N.** (2009) Phylogenetic diversity of associated culturable bacteria with filamentous non-heterocystous marine cyanobacteria. *J. Algal Biomass Utiln.* 1(1): 87 – 102.
 63. Ganesh Manikandan, S., Lakshminarasimhan, C., **Thajuddin, N.**, Saravanan, R., and G. Muralitharan (2009) Amplification of Methicillin Resistance Gene (*mec-A*) from *Staphylococcus aureus* isolates from India. *Genes, Genomes and Genomics*. 3: 110 – 112
 64. Mubarak Ali D. and **Thajuddin, N.** (2009) Biosynthesis of colloidal silver nanoparticles using fresh water cyanobacterium *Oscillatoria earlei* NTDM03. *Seaweed Res. Utiln.*, 31 (1&2): 219 – 226.
 65. Shyam Kumar, R., **Thajuddin, N.** and D.K. Upreti (2009) Additions to lichen flora of Yerkaud (Shervaroy Hills) Tamil Nadu, India. *Journal of Economic and Taxonomic Botany*. 33(3): 673 – 676.
 66. Shyam Kumar, R., **Thajuddin, N.** (2009) Influence of temperature and light intensity on growth of symbiotic cyanobacteria isolated from cyanolichens. *Research & Reviews in Biosciences*. 3(4): 179 – 182.
 67. Shyam Kumar. R and **Thajuddin. N.**, (2009) 'Effect of Salinity & pH on the Growth of symbiotic Cyanobacteria isolated from Cyanolichens. *Advanced Biotech*. 8(11) : 35 - 38.
 68. Naveenraj, D., Dhanasekaran, D., **Thajuddin, N.** and Panneerselvam, A. (2009) Production of prodigiosin from *Serratia marcescens* and its cytotoxicity activity. *Journal of Pharmacy Research* 2(4): 590 – 593.
 69. ***Thajuddin, N.** (2010) Biotechnological Potentials of Cyanobacteria and their industrial applications. In: *Industrial Exploitation of Microorganisms*. (Eds.) Maheshwari, D.K., Dubey, R.C. and Saravanamuthu, R. I.K. International Publishing House. New Delhi. Chapter 5, 70 - 85.
 70. GaneshManikandan, S., Lakshminarasimhan, C., **Thajuddin, N.** and Saravanan, R. (2010) Epidemiological survey, isolation and identification of MRSA in four districts of Tamilnadu, India. *College Sadhana – Journal of Bloomers of Research*. 2(2): 97 – 103.
 71. *GaneshManikandan, S., Lakshminarasimhan, C., **Thajuddin, N.** and Saravanan, R. (2010) FIGE – REA studies of methicillin resistant *Staphylococcus aureus* from Tamilnadu. In: *Microbial Biotechnology* (Eds.) P. Ponmurugan and V. Balakrishnan. Excel India Publishers, New Delhi. 107 – 111.

72. Dhanasekaran, D., **Thajuddin, N.** and A. Panneerselvam (2010). Herbicidal agents from actinomycetes against selected crop plants and weeds. *Natural Product Research*. 24(6): 521 – 529 (IF: 2.488)
73. **Thajuddin, N.**, Muralitharan, G., Sundaramoorthy, G., Ramamoorthy, R., Ramachandran, S., Akbarsha, M. A. and M. Gunasekaran. (2010) Morphological and genetic diversity of symbiotic cyanobacteria from cycads. *Journal of Basic Microbiology* 50: 254 – 265 (IF: 2.65).
74. Muralitharan, G. and **Thajuddin, N.** (2010) M13-based genotyping of marine cyanobacterial strains from the Indian subcontinent and maintained in the NFMC germplasm collection. *Journal of Applied Phycology* 22(6): 709 – 716 (IF: 3.404).
75. Karthikeyan. C. and **Thajuddin, N.** (2010) Protein patterns in coastal saline tolerant strains of Arbuscular Mycorrhizal Fungi (AMF) spores. *Advances in Biological Research*. 4(1): 14 – 17.
76. Suresh, M., Rath, P.K., Panneerselvam, A., Dhanasekaran, D. and **Thajuddin, N.** (2010). Antifungal activity of selected Indian medicinal plant salts. *Journal of Global Pharma Technology* 2(4): 71 – 74.
77. Ravikumar, S., **Thajuddin, N.**, Suganthi, P., Inbanesan, S. J. and Vinodkumar, T. (2010) Bioactive potential of seagrass bacteria against human bacterial pathogens. *J. Environ. Biol.* 31: 387 – 389
78. Suresh, M., Rath, P.K., Panneerselvam, A., Dhanasekaran, D. and **Thajuddin, N.** (2010). Anti-Mycobacterial effect of leaf extract of *Centenella asiatica* (Mackinlayaceae). *Research J. Pharm. Tech.* 3(3): 872 – 876.
79. ShyamKumar, R., **Thajuddin, N.** and C. Venkateswari (2010) Antibacterial activity of cyanolichen and symbiotic cyanobacteria against some selected microorganisms. *African Journal of Microbiology Research*. 4(13): 1408 – 1411.
80. Anchanadevi, C., Suresh, M., Rath, P.K. and **Thajuddin, N.** (2010) Diagnostic value of real time PCR and associated bacterial and fungal infections in female genital tuberculosis. *Biomedical and Pharmacological Journal*. 3(1): 73 – 79.
81. ***Thajuddin, N.** (2010) Biodiversity and Biotechnological Potentials of Cyanobacteria In: *Marine Pharmacology*. Volume I. (Eds.) S. Ravikumar and K. Kathiresan. Alagappa University Publication. Chapter III, 61 - 100.
82. Dhanasekaran, D., Sakthi, V., **Thajuddin, N.** and A. Panneerselvam (2010). Preliminary evaluation of *Anopheles* mosquito larvicidal efficacy of mangrove actinobacteria. *The International Journal of Applied Biology and Pharmaceutical Technology*. 1(2): 374 – 381 (IF: 0.986)
83. Ravikumar, S., Gnanadesigan, M., **Thajuddin, N.**, Deepan Charavarthy, V.S. and Beula Banerjee, M. (2010) Anticancer property of sponge associated Actinomycetes along Palk Strait. *Journal of Pharmacy Research* 3 (10): 2415 – 2417.
84. Ananthi, N., Balakrihnan, U., Sudha, S., Babu, M., Velmathi, S., Mubarak Ali, D and **N. Thajuddin**. 2010. A Study on Synthesis, Characterization, and Electrochemical and Antibacterial Properties of Cobalt (II) Complexes of Salen-Derived Ligand. *The IUP Journal of Chemistry*, 3 (3): 28-41.
85. Mubarak Ali D., Divya, C., R. Praveenkumar, A Parveez Ahamed and **Thajuddin, N.** (2010) Scanning Electron Microscopical structural studies on diatoms. *International Journal of Microbiological Research* 1(2): 72 – 74.
86. Moorthy, K., Prasanna, I., **Thajuddin, N.**, Arjunan, S., Gnanendra, T.S. and Zahir Hussain, M.I. (2010) Occurrence of Mycopopulations in Spice and Herbal Drugs. *International Journal of Biological Technology* (Special Issue).1: 6 – 14.

87. Moorthy, K., Lavanya, V., Malarvizhi, A., Arul Seeba Malar, S., Bharathi, G., Arjunan, S., Gnanendra, T.S. and **Thajuddin, N.** (2010) Isolation of soil bacteria of hydrocarbon contamination. *Biosciences, Biotechnology Research Asia*.**7(2)**: 901 – 906.
88. Seghal Kiran, G., **Thajuddin, N.**, Hema, T.A., Idhayadhulla, A., Surendar Kumar, R and Joseph Selvin (2010) Optimization and characterization of rhamnolipid biosurfactant from sponge associated marine fungi *Aspergillus* sp. MSF1. *Desalination and Water Treatment*. **24**: 257-265 (IF: 1.273)
89. Mubarak Ali D., Divya, C., Gunasekaran, M. and **Thajuddin, N.** (2011) Biosynthesis and characterization of Silicon – Germanium oxide nanocomposite by Diatom. *Digest Journal of Nanomaterials and Biostructures*. 6(1): 117 – 120. (IF: 0.899)
90. Mubarak Ali D., Sasikala, M., Gunasekaran, M. and **Thajuddin, N.** (2011) Biosynthesis and characterization of Silver nanoparticles using marine cyanobacterium *Oscillatoria willei* NTDM01 *Digest Journal of Nanomaterials and Biostructures*. 6(2): 415 - 420. (IF: 0.899)
91. ShyamKumar, R., **Thajuddin, N.** and D.K. Upreti (2011) Diversity of Lichens in Kolli Hills of Tamilnadu, India. *International Journal of Biodiversity and Conservation*. **3(2)**: 36 – 39.
92. Muralitharan, G. and **N. Thajuddin** (2011) Rapid differentiation of phenotypically and genotypically similar *Synechococcus elongatus* strains by PCR fingerprinting. *Biologia* 66 (2): 238 – 243 (IF: 1.653).
93. Sudhakar, N., **Thajuddin N.** and K. Murugesan (2011) Plant Growth-Promoting Rhizobacterial mediated protection of Tomato in the field against Cucumber Mosaic Virus and its vector *Aphis gossypii*. *Biocontrol Science & Technology*. **21(3)**: 367 – 386. (IF: 1.81)
94. Ganesh Manikandan, S., Lakshminarasimhan, C. and **Thajuddin, N.** (2011) Insertion and expression of Lipase gene 'geh' from *Staphylococcus aureus* isolates into *Escherichia coli* for hydrocarbon degrading efficiency. *J. Ecotoxicol. Environ. Monit.* **21(1)**: 97-99.
95. MubarakAli D., **Thajuddin, N.**, K. Jaganathan and Gunasekaran, M. (2011) Plant extract mediated synthesis of silver and gold nanoparticles and its antibacterial activity against clinically isolated pathogens. *Colloids and Surfaces B: Biointerfaces*: 85:360 -365 (IF: 5.999)
96. Amaresan, N., Jayakumar, V., Kumar, K. and **Thajuddin, N.** (2011) Endophytic bacteria from tomato and chilli, their diversity and antagonistic potential against *Ralstonia solanacearum*. *Archives of Phytopathology and Plant Protection* 45(3): 344 – 355.
97. Rasheed, M.U. and **Thajuddin, N.** (2011) Effect of medicinal plants on *Moraxella catarhalis*, *Ascian Pacific Journal of Tropical Medicine*. 412 – 42 (IF: 3.041)
98. Rasheed, M.U. and **Thajuddin, N.** (2011) Mycobacterial, bacterial and fungal pathogens causing pulmonary complications in patients with HIV infection. *HIV & AIDS Review* 10: 9 – 13
99. Mubarak Ali, D., A. Suresh., R. Praveen Kumar M. Gunasekaran and **N. Thajuddin** (2011) Efficiency of Textile Dye Decolorization by Marine cyanobacterium, *Oscillatoria formosa* NTDM02. *African Journal of Basic & Applied Sciences* **3 (1)**: 9-13.
100. Ganesh Manikandan, S., Hemalatha, M., Lakshminarasimhan, C. and **Thajuddin, N.** (2011) Isolation and amplification of *Fem-A* gene from MRSA isolates. *International Journal of Pharma and Bio Sciences*. **2 (3)**: 28 – 35.
101. Dhanasekaran D., Lawanya S., Saha S., **Thajuddin N.** and Panneerselvam, A. (2011) Production of single cell protein from pineapple waste using yeast. *Innovative Romanian Food Biotechnology* **8**: 26 – 32.
102. Shyamkumar, R., Al-Harbi, N.A. and **N. Thajuddin.** (2011) Macromolecular and fatty acid profile studies on symbiotic cyanobacterial isolates of Cyanolichens. *Journal of Medicinal Plants Research*. **5(17)**: 4188 – 4193. (IF: 0.59)

103. Thenmozhi, R., Nagasathya, A. and N. **Thajuddin** (2011) Studies on biodegradation of used engine oil by consortium cultures. *Advances in Environmental Biology*. **5(6)**: 1051 – 1057.
104. Satheesh Kumar, M., Rajeshwari, K., Johnson, S., **Thajuddin, N.** and M. Gunasekaran (2011) Removal of Pb (II) by Immobilized and Free Filaments of Marine *Oscillatoria* sp. NTMS01 and *Phormidium* sp. NTMS02. *Bulletin of Environmental Contamination and Toxicology* **87**: 254 – 259. (IF: 2.807)
105. Manilal, A., **Thajuddin, N.**, Selvin, J., Idayadhulla, A., Surendrakumar, R. and Sujith. S. (2011) *In vitro* Mosquito larvicidal activity of Marine Algae against the human vectors, *Culex quinquefasciatus* (Say) and *Aedes aegyptii* (Linnaeus) (Diptera: Culicidae) *International Journal of Zoological Research* **7(3)**:272 – 278.
106. Dhanasekaran D., Ambika, K., **Thajuddin N.** and Panneerselvam, A. (2011) Allelopathic effect of antimicrobial isolates against selected weeds. *Archives of Phytopathology and Plant Protection*. 45(5): 505-521.
107. Amaresan, N., Jayakumar, V., Kumar K. and **Thajuddin N.** (2011). Isolation and characterization of plant growth promoting endophytic bacteria and their effect on tomato (*Lycopersicon esculentum*) and Chilli (*Capsicum annuum*) seedling growth. *Annals of Microbiology* 62: 805–810. (IF: 3.168)
108. Dhanasekaran, D., Latha, S., Saha, S., **Thajuddin, N.** and Panneerselvam, A. (2011) Biosynthesis and antimicrobial potential of metal nanoparticles. *International Journal of Green Nanotechnology* **3**:72–82.
109. Vijayakumar R., Panneerselvam K., Muthukumar C., **Thajuddin N.**, Panneerselvam A. and Saravanamuthu R. (2012) Antimicrobial potentiality of a halophilic strain of *Streptomyces* sp. VPTSA18 isolated from saltpan environment of Vedaranyam, India. *Annals of Microbiology* 62:1039 – 1047. (IF: 3.168)
110. *Thennarasu, V., Prabakaran, M., **Thajuddin, N.** and Panneerselvam, A. (2011) Effect of PGPR in vegetable crops. (Editors) H.S. Seghal and G.K. Seghal. In: Proc. 22nd Natl. Symp. *Recent Advances in Zoological Sciences: Application to Agriculture, Environment and Human Health*. (Nov.6 – 7. 2008) 158 – 166.
111. Anandakumar, N. and N. **Thajuddin.** (2011) Anti-inflammatory activity of liquid Alkaloid (1,2 – Dimethoxy Benzene Unit) from marine ciliate *Moneuplotes crasses*. *International Journal of Medicobiological Research*. **1(4)**: 183 – 186.
112. Ravikumar, S., Gogulakrishnan, R., Kanagavel. M. and N. **Thajuddin.** (2011). Production of biofuel ethanol from pre-treated seagrass by using *Saccharomyces cerevisiae*. *Indian Journal of Science and Technology*. **4(9)**:1087 – 1089.
113. Manilal, A., Selvin, J., **Thajuddin, N.**, Sujith, S., Panikkar, M V N., Idhayadhulla, A., and Surendrakumar S. (2012). Biopotentials of *Lobophora variegata* collected from the south Indian littoral. *Thalassas (An International Journal of Marine Sciences)*. **28(1)**: 47-54 (IF: 0.657)
114. *Dhanasekaran,D., Shanmugapriya, S., **Thajuddin, N.** and A. Panneerselvam (2011) Aflatoxins and Aflatoxicosis in Human and Animals. In: *Aflatoxins - Biochemistry and Molecular Biology*, (Ed.) Ramón Gerardo Guevara-González ISBN 978-953-307-395-8, pages 221 – 254.
115. Thennarsu, V., Panneerselvam, A. and **Thajuddin, N.** (2011) An investigation of the mycoflora in marine soil from Andaman Islands. *European Journal of Experimental Biology*.**1(3)**: 188 – 199.
116. Thennarsu, V., and **Thajuddin, N.** (2011) *In vitro* antibacterial screening of Fungi isolated from marine soils of Andaman Islands. *Journal of Basic & Applied Biology* **5(4)**: 21 – 26
117. Ilavarasi, A., Mubarak Ali, D., Praveen Kumar, R., Baldev, E. and N. **Thajuddin** (2011) Optimization of various growth media to freshwater microalgae for biomass production. *Biotechnology*. **10(6)**: 540 - 545.

118. Ganesh Manikandan, M., Lakshminarasimhan, C., **Thajuddin, N.** and M. Govindarajan (2011) 16S rDNA-based phylogeny of methicillin resistant *Staphylococcus aureus* isolates from the pus specimens. *The Bioscan* **6(4)**: 543 – 546.
119. Anandakumar, N. and **N. Thajuddin** (2013) Physico-chemical properties, Seasonal variations in species composition and abundance of Microzooplankton in the Gulf of Mannar, India *Indian Journal of Geo-Marine Sciences*. 42(3):383 – 389 (IF: **0.553**)
120. Karthigadevi, K., Moorthy, K., **Thajuddin, N.**, Boopathy, S. and P. Prabakaran. (2011) Bacteriocin and cellulose production by Lactic acid bacteria from raw cow milk. *Journal of Pure and Applied Microbiology* **5(2)**: 997 – 1001.
121. Moorthy, K., Prasanna, I., Vimalan, T., Lavanya, V., Thamaraiselvi, A., Mekala, T. and **N. Thajuddin**. (2011) Study on keratinolytic fungi isolated from bird feathers and animal hairs. *Biosciences Biotechnology Research Asia*. **8(2)**: 633 – 640.
122. Moorthy, K., Prasanna, I., Sureshkumar, B.T., Selvi, A.T., Mekala, T., Malar, S.A.S., Lavanya, V. and **N. Thajuddin**. (2011) Determination of Aflatoxin contamination in various species. *Biosciences Biotechnology Research Asia*. **8(2)**: 893 - 900.
123. Suresh, A., Praveenkumar, R., Dhanasekaran, D. and **N. Thajuddin**. (2012) Biodiversity of Microalgae in Western and Eastern Ghats, India. *Pakistan Journal of Biological Sciences*. 15(19): 919 - 928.
124. Pandiaraj, D., Mubarak Ali, D., Praveen Kumar, R., Ravikumar, S. and **N. Thajuddin** (2012) Molecular characterization and phylogeny of Marine cyanobacteria from Palk Bay region of Tamil Nadu, India. *Ecologia*. 2(1): 23 – 30.
125. SatheeshKumar, M., Praveenkumar, R., Ilavarasi, A., Rajeshwari, K. and **N. Thajuddin** (2012) Oxidative stress response and fatty acid changes associated with bioaccumulation of chromium by a fresh water cyanobacterium *Chroococcus* sp. *Biotechnology Letters*. **34**: 247 – 251. (IF: **2.716**)
126. Rajeshwari K., Kumar M S and **Thajuddin N.** (2012) Adsorption isotherms for Cr (VI) by two immobilized marine cyanobacteria. *Ann. Microbiol.* **62**:241 – 246. (IF: **3.168**)
127. MubarakAli, D., Gopinath, V., Rameshbabu, N. and **N. Thajuddin** (2012). Synthesis and characterization of CdS nanoparticles using c-phycoerythrin from the marine cyanobacteria. *Materials Letters* **74**: 8 – 11. (IF: **3.574**)
128. Praveenkumar, R. Shameera, K., Mahalakshmi, G., Akbarsha, M.A. and **N. Thajuddin** (2012) Influence of nutrient deprivations on lipid accumulations in a dominant indigenous microalga *Chlorella* sp. BUM11008: Evaluation for biodiesel production. *Biomass and Bioenergy*. **37**: 60 – 66. (IF: **5.774**)
129. *Dhanasekaran, D., **Thajuddin, N.** and A. Panneerselvam (2012) Applications of Actinobacterial Fungicides in Agriculture and Medicine. Chapter 2, In: *Fungicides for Plant and Animal Diseases*, Eds: Dhanasekaran., N. Thajuddin and A. Panneerselvam INTECH Open Access Publisher. Croatia. Pages 29 – 54
130. Ilavarasi, A., MubarakAli, D., Parveez Ahamed, A. and **N. Thajuddin** (2012) Production of FAME from freshwater microalgae and profiling of fatty acids for biodiesel feedstock. *Phykos*. **42(1)**:10– 14.
131. Praveen Kumar, D., Thenmozhi, R Anupama, P. D., Nagasathya, A., **Thajuddin N.** and A. Panneerselvam. (2012) Selection of potential antagonistic *Bacillus* and *Trichoderma* isolates from tomato rhizospheric soil against *Fusarium oxysporum*. sp. *lycoperscisi*. *Research Journal of Biological Sciences*. **6 (10)**:523 - 531.
132. Praveen Kumar, D., Anupama, P. D., Singh, R. K., Thenmozhi, R., Nagasathya, A., Thajuddin N. and A. Panneerselvam. (2012) Evaluation of extracellular lytic enzymes from indigenous *Bacillus* isolates. *Journal of Microbiology and Biotechnology Research*. 2(1):129-137

133. Saha, S., Priyadarshini, A., Dhanasekaran, D., **Thajuddin, N.**, Chandraleka, S., Chandramohan, G. and A. Panneerselvam. (2012) Preclinical evaluation and molecular docking of 4-phenyl-1-Naphthylphenyl acetamide (4P1NPA) from *Streptomyces* sp. DPTB16 as a potent antifungal compound. *Computers in Biology and Medicine* 42:542 – 547 (IF: 6.698)
134. Gopinath, V., MubarakAli, D., Priyadarshini, S., Meera Priyadarshini, N., **Thajuddin, N.** and V. Palaniyandi. (2012) Biosynthesis of Silver nanoparticles from *Tribulus terrestris* and its antimicrobial activity: A novel biological approach. *Colloids and Surfaces B: Biointerfaces* 96: 69-74 (IF: 5.999)
135. Senthinath, T.J., Revathi, P., Rath, P.K., Suresh, M. Vigneshwari, R.S., Uma, A., Subramanian, P.T.K., Moorthy K. and N. **Thajuddin**. (2012) Antimicrobial resistant pattern of gram-negative bacteria to third generation cephalosporins in rural and urban centres of Tamilnadu, India. *International Journal of Biological Technology* 3(1): 32-38.
136. Manivannan, N., Praveenkumar, R., **Thajuddin, N.**, Thilagavathy Daniel and Gunasekaran, M. (2012) Utilization of *Bacillus* sp. GGTD67 for phosphate enrichment in vermicompost. *Advances in Environmental Biology*, 6(3): 995-999.
137. Venkateswarlu, K., Rameshbabu, N., Chandra Bose, A., Muthupandi, V., Subramanian, S., Mubarakali, D., **Thajuddin, N.** (2012) Fabrication of corrosion resistant, bioactive and antibacterial silver substituted hydroxyapatite/titania composite coating on Cp Ti. *Ceramics International* 38(1): 731 – 740. (IF: 5.532)
138. Praveen Kumar, D., Anupama P. D., Singh, R.K., Thenmozhi, R., Nagasathya, A., **Thajuddin, N.** and Paneerselvam, A. (2012). Performance studies of free-living tomato (*Lycopersicon esculentum* L.) rhizospheric *Bacillus* for their multiple plant growth promoting activity *Journal of Soil Science and Environmental Management* 3(6) : 142-153.
139. Praveenkumar, R., Johny, K., MubarakAli, D., Vijayan, D., **Thajuddin, N.** and Gunasekaran, M. (2012). Demonstration of Increased Lipid Accumulation Potential of *Stigeoclonium* sp., Kütz. BUM11007 Under Nitrogen Starved Regime: A New Source of Lipids for Biodiesel Production. *Journal of Biobased Materials and Bioenergy*. 6(2): 209-213. (IF – 0.687)
140. Moorthy, K., Virgin N. M., Vinodhini, R., Punitha, T., Suresh, M. and **Thajuddin, N.** (2012) Antimicrobial activity of the ethanolic and aqueous extracts of *Salacia chinensis* Linn. against human pathogens. *Asian Pacific Journal of Tropical Disease* S416-S420 (3.041).
141. Vijayakumar, R., Panneerselvam, K., Muthukumar C., **Thajuddin, N.**, Panneerselvam, A. and R. Saravanamuthu (2012) Optimization of antimicrobial production by a marine actinomycete *Streptomyces afghaniensis* VPTS3-1 isolated from Palk Strait, east coast of India. *Indian J Microbiol.* 52(2): 230 – 239.
142. Prabakaran, M. Panneerselvam, A and N. **Thajuddin** (2012) *In vitro* anti vibrio activity, isolation of phenol compounds and their functional groups of *Phormidium* spp. *Indian Hydrobiology* 15(1): 42 – 49.
143. Mubarakali, D., Arunkumar, J., Suriya, K. R., Ishack K. A. S. S. and N. **Thajuddin** (2012) Molecular modelling and phylogenetic analysis of C-phycoyanin gene sequence from marine cyanobacterium *Phormidium tenue* NTDM05. *Seaweed Res. Utiln.* 34(1&2): 35 – 44.
144. Suresh, A., Arvindkumar, R., Dhanasekaran, D. and N. **Thajuddin**. (2012) Biodiversity of microalgae in Gulf of Mannar region, Tamil Nadu. *Seaweed Res. Utiln.* 34(1&2):8 – 21.
145. Vijayakumar, R., Panneerselvam, A., and **Thajuddin, N.** (2013) Marine Actinobacteria - A potential source for antifungal compounds. (Ed.) Se-Kwon Kim, *Marine Pharmacognosy*. CRC Press, USA. Chapter 20: 231 – 252.
146. *Dhanasekaran D., **Thajuddin, N.** and A. Panneerselvam (2013) Antiparasitic secondary metabolites from marine actinobacteria. (Ed.) Se-Kwon Kim, *Marine Pharmacognosy* CRC Press, USA. Chapter 31: 373 – 384

147. Soju. P. K., Panneerselvam, A., Dhiva S., **Thajuddin, N.** and Gunasekaran, M (2012) Early prediction of cardiovascular diseases, a lifestyle disorder, in software people in south India using high sensitive c-reactive protein (hsCRP). *African Journal of Microbiology Research* **6(26)**: 5445-5452. (IF: 0.54)
148. Senthilkumar, S., Perumalsamy, M., Ahmed Basha, C., Selvakumar, K.V., Swaminathan, G., **Thajuddin, N.** and Prabhu, H.J. (2012) Biodecolorization of a persistent organic dye from model wastewater using *Curvularia spp.* *Desalination and Water Treatment*. **46 (1-3)**: 272 - 277. (IF: 1.273)
149. Deepa, S., Panneerselvam, A., **Thajuddin, N.** and R. Vijayakumar (2012) Diversity and Antimicrobial potential of Actinobacteria from salt pan environment. *Global Advanced Research Journal of Microbiology* 1(8): 140 – 148.
150. Reehana, N., Parveez Ahamed, A. and **N. Thajuddin** (2012) *In vitro* studies on bactericidal effect of selected cyanobacteria against bacterial pathogens. *International Journal of Medicobiological Research*. 1(7): 345-347
151. Thenmozhi, R., Praveenkumar, D., Priya, A., Nagasathya, A and **N. Thajuddin** (2012) Evaluation of aromatic and polycyclic hydrocarbon degrading abilities of selected bacterial isolates. *Journal of Microbiology and Biotechnology Research*. 2(3): 445 – 449.
152. Rout, J., Borah, D. and **N. Thajuddin** (2012) Seasonal distribution pattern and isolation of dominant cyanobacteria (*Cylindrospermum musicola* Kützing ex Born. et Flah) from Khobul terrace paddy in Dima Hasao District of Assam, North East India. *Assam University Journal of Science and Technology* 10 (1): 180 – 187.
153. Moorthy K. Aparna A. Punitha T. Vinodhini R. Suresh M. and **Thajuddin N.** (2012) *In vitro* screening of antimicrobial activity of *Wrightia tinctoria* (Roxb.) R. Br. *Asian Journal of Pharmaceutical and Clinical Research* **5(4)**: 54 – 58.
154. Leo Antony, M., Mubarak Ali, D., Baldev, E., Pandiaraj, D., Praveen Kumar, R. and **N. Thajuddin**. (2012) Analysis of indoor fungal contaminants using Internal Transcribed Spacer sequence variability. *Asian Journal of Biological Sciences*, 5(6):304 - 313.
155. Priyadarshani, I., **Thajuddin, N.** and Rath, B (2012) Salinity induced changes in biochemical parameters of four species of Cyanobacteria collected from Odisha coastline, India. *International Journal of Advanced Life Sciences*. 4: 28 – 35.
156. Al-Harbi, N.A., ShyamKumar R., Muthukumar, C. and **Thajuddin, N.** (2012) Antibacterial activity of *Mentha piperita* against selected food spoiling bacteria. *African Journal of Biotechnology* 11(90): 15690-15694. (IF: 0.832)
157. MubarakAli D., PraveenKumar R., Shenbagavalli T., MariNivetha T., ParveezAhamed A., Al-Dhabi N A. and **Thajuddin N.** (2012) New reports on anti-bacterial and anti-candidal activities of fatty acid methyl esters (FAME) obtained from *Scenedesmus bijugatus* var. *bicellularis* biomass *RSC Advances* 2 : 11552 – 11556. (IF – 4.036)
158. Jeyaraj, M., Rajesh, M., Arun, R., MubarakAli, D. Sathishkumar, G., Sivanandhan, G., Kapil Dev, G., Manickavasagam, M., Premkumar, K., **Thajuddin, N.** and Ganapathi, A. (2012) An investigation on the cytotoxicity and caspase-mediated apoptotic effect of biologically synthesized silver nanoparticles using *Podophyllum hexandrum* on human cervical carcinoma cells. *Colloids and Surfaces B: Biointerfaces*. 102: 708– 717 (IF: 5.999)
159. Jeyadevi, R., Sivasudha, T., Ilavarasi, A. and **N. Thajuddin** (2012) Chemical constituents and antimicrobial activity of Indian green leafy vegetable *Cardiospermum halicacabum*. *Indian J Microbiol*. 53(2): 208 – 213
160. Moorthy K, Punitha T, Vinodhini R, Suresh M and **Thajuddin N** (2012). *In vitro* screening of antimicrobial activity and phytochemical analysis of *Punica granatum* Linn. (leaves). *International Journal of Interdisciplinary Research and Reviews* 1(1):6 – 13.

161. Manivannan, N., **Thajuddin, N.**, Daniel, T. and M. Gunasekaran (2012) Effect of *Aspergillus* sp. as a bioinoculant in vermicompost with special reference to phosphate enrichment. *American-Eurasian Journal of Sustainable Agriculture*, 6(4): 205-208.
162. Ilavarasi, A., Pandiaraj, D., M.H. Mohamed Ilyas. and **N. Thajuddin** (2012) Evaluation of extraction methods for recovery of photosynthetic pigments from microalgae. *Pakistan Journal of Biological Science*. 15(18):883 – 888.
163. MubarakAli, D., Mohammed Ershath and **N. Thajuddin** (2012) Biodiversity and molecular evaluation of Microalgae from different epiphytes and substrates. *Pakistan Journal of Biological Science*. 15(17):813 - 820.
164. MubarakAli, D., Arunkumar, J., Harish Nag, K., Sheik Syed Ishack, K.A., Baldev, E., Pandiaraj, D. and **Thajuddin, N.** (2013) Gold nanoparticles from Pro and eukaryotic photosynthetic microorganisms - Comparative studies on synthesis and its application on biolabeling. *Colloids and Surfaces B: Biointerfaces*. 103: 166– 173 (IF: 5.999)
165. Dhanasekaran, D., Latha, S., Saha, S., Thajuddin, N. and A. Panneerselvam (2013). Extracellular biosynthesis, characterisation and *in-vitro* antibacterial potential of silver nanoparticles using *Agaricus bisporus*. *Journal of Experimental Nanoscience*, 8(4): 579 - 588. (IF: 2.024).
166. Mubarak Ali, D, Arun Kumar, J, Rahuman Sheriff, M, Pandiaraj, D Sheik Syed Ishack, K.A and **N. Thajuddin** (2013) Fabrication of Silver Nanoparticles with Cotton for Antibacterial Wound Dressing. *Pharmaceutical Nanotechnology*,1(1): 78-82
167. Baldev, E, MubarakAli, D, Ilavarasi, A, Pandiaraj, D, Sheik Syed Ishack, K.A, and **N. Thajuddin** (2013) Degradation of synthetic dye, Rhodamine B to environmentally non-toxic products using microalgae. *Colloids and Surfaces B: Biointerfaces*.105: 207– 214 (IF: 5.999)
168. Jeyaraj, M., Sathishkumar, G., Sivanandhan, G., MubarakAli, D., Rajesh, M., Arun, R., Kapildev, G., Manickavasagam, M., **Thajuddin, N.**, Premkumar, K. and A. Ganapathi (2013) Biogenic production of silver nanoparticles using *Sesbania grandiflora* for cancer treatment: An experimental report. *Colloids and Surfaces B: Biointerfaces* 106: 86 - 92 (IF: 5.999)
169. Anitha U, Nagasatya A, **Thajuddin N**, and Panneerselvam A (2013) Exploring polyene antifungal *Streptomyces nodosus* for yield improvement of Amphotericin B. *International Journal of Fundamental and Applied Sciences*. 2(1):33 - 35.
170. Balaperiasamy, B., Panneerselvam, A., **Thajuddin, N.** and Jayapal, J. (2013) Preliminary phytochemical analysis of *Hypericum wightianum* Wall. ex Wight & ARN. *World Journal of Pharmaceutical Research*. 3(1): 726 - 738.
171. Shyam Kumar, R., Al-Hemaid, F.M. A., Al-Dhabi, N.A., Muthukumar, C., Ajmal Ali, M. and **N. Thajuddin** (2013). Distribution of Epiphytic Cyanobacteria on Lichens from Eastern Ghats of Tamil Nadu, India. *Journal of Pure and Applied Microbiology*. 7(1): 505-514.
172. Muralitharan, G. and **N. Thajuddin** (2013) Genetic heterogeneity of marine Oscillatoriales revealed by 16S rRNA gene sequencing. *Phykos*. 43 (1): 8 - 21
173. Reehana, N., Parveez Ahamed, A. and **N. Thajuddin** (2013) Phylogenetic characterization and homology modelling of C-Phycocyanin gene from *Oscillatoria nigroviridis* NTRI01. *Phykos*. 43(1): 39 - 45
174. Moorthy, K., Punitha, T., Vinodhini, R., Sureshkumar, B. T., Vijayalakshmi, P. and **N. Thajuddin** (2013) Antimicrobial activity and qualitative phytochemical analysis of *Punica granatum* Linn. (PERICARP). *Journal of Medicinal Plants Research* 7(9): 474 – 479.
175. SatheeshKumar, M., Praveenkumar, R., Ilavarasi, A. Rajeshwari, K. and **N. Thajuddin** (2013) Biochemical changes of fresh water cyanobacteria *Dolichospermum flos-aquae* NTMS07 to chromium-induced stress with special reference to antioxidant enzymes and cellular fatty acids. *Bull. Environ. Contam. Toxicol*. 90: 730 - 735. (IF: 2.807)

176. ParveezAhamed A., Mubarak Ali, D., A. Ilavarasi and N. **Thajuddin** (2013) Evaluation of Guanidium Thiocyanate as a Chemical Mutagen on the Expression of Nitrate Reductase Gene (*NR*) in *Chlorella* sp., NTMP04. *American-Eurasian Journal of Agricultural & Environmental Sciences* 13 (1): 134-138.
177. Anchana Devi, C., Ranjani, A., Dhanasekaran, D., **Thajuddin, N.** and Ramanidevi, T. 2013. Surveillance of multidrug resistant bacteria pathogens from female infertility cases. *African Journal of Biotechnology*. 12(26): 4129-4134
178. Gurusaravanan P., Vinoth S., Satheesh Kumar, M., Thajuddin N. and N. Jayabalan (2013) Effect of cyanobacteria extracellular products on high-frequency *in vitro* induction and elongation of *Gossypium hirsutum* L organs through shoot apex explants. *Journal of Genetic Engineering and Biotechnology*. 11(1): 9 – 16.
179. Reehana, N., Parveez Ahamed, A., Mubarak Ali, D., Suresh A., Arvind Kumar, R. and N. **Thajuddin** (2013) Structure based computational analysis and molecular phylogeny of C-Phycocyanin gene from the selected cyanobacteria. *World Academy of Science, Engineering and Technology* 7(1): 12 – 16.
180. *Rajalakshmi, S., **Thajuddin, N.** and V. Jayakumar (2013) Salt tolerance and nitrogen fixing properties of *Rhizobium* spp. associated with wild legumes found in coastal and forest areas of Andaman & Nicobar Islands. In: *Forest Health Management*. (Eds.) A. Balu, R S C Jayaraj, A. Ragupathy, V. Mohan, R.R. Warriar, T P Raghunath and N. Krishnakumar. Published by Institute of Forest Genetics and Tree Breeding, ICFRE, Coimbatore. 116 - 127.
181. Dhanasekaran D., K. Vinothini, S. Latha, N. **Thajuddin** and A. Panneerselvam. (2014), Human dental biofilm: Screening, characterization, *in vitro* biofilm formation and antifungal resistance of *Candida* spp. *The Saudi Journal of Dental Research* 5: 55 – 70.
182. Anitha U, Nagasatya A, **Thajuddin N** and Paneerselvam A (2013) Isolation and screening of *Streptomyces* from western Ghats for the presence of Amphotericin B. *International Journal of Current Microbiology and Applied Sciences*. 2(12): 460 - 465.
183. Priya E., Thenmozhi R., Nagasathya A., **Thajuddin N.** and Muralitharan G. (2014) Diversity of Actinobacteria in Mangrove Ecosystem of Muthupet, India. *International Research Journal of Environment Sciences*. 3(4): 13-17.
184. Jeyaraj, M., Arun, R., Sathishkumar, G., MubarakAli, D., Rajesh, M., Sivanandhan, G., Kapildev, G., Manickavasagam, M., **Thajuddin, N.** and Ganapathi, A. (2013) An evidence on G2/M arrest, DNA damage and caspase mediated apoptotic effect of biosynthesized gold nanoparticles on human cervical carcinoma cells (HeLa). *Materials Research Bulletin*. 52: 15 - 24 (IF- 5.6).
185. Kiran, G.S., Sabarathnam, B., Thajuddin, N. and J. Selvin (2014) Production of Glycolipid Biosurfactant from Sponge-Associated Marine Actinobacterium *Brachybacterium paraconglomeratum* MSA21. *J. Surfact. Deterg.* 17: 531 – 542 (IF 1.972)
186. Dharitri Borah, Jayashree Rout and **Nooruddin Thajuddin** (2014) Polyphasic characterization of *Nostoc commune* (Cyanobacteria, Nostocaceae) isolated from rice growing agro-ecosystems of Dima Hasao district of Assam, North-East India. *Phytotaxa* 161 (2): 111–120 (IF – 1.171)
187. Kannan, K., Vijayan, D., Mubarak Ali, D., Praveenkumar, R., Parveez Ahamed, A and N. **Thajuddin** (2014). Evidence-based analysis of novel symbiotic and epiphytic cyanobacteria associated with *Azolla* by cyto and molecular taxonomy. *Biotechnology*:13(20): 46 – 53
188. Vijayalakshmi, S., Panneerselvam, A., Vijayakumar, N., Savery, M.A. and N. **Thajuddin** (2014) Diversity of endophytic and rhizosphere soil fungi of *Suaedamonica* in Maravakadu mangrove forest. *International Journal of Current Research*.6(3): 5343-5345.
189. Vijayalakshmi, S., Panneerselvam, A., Vijayakumar, N., Dr. Mohan A. Savery, M. A. and N. **Thajuddin**. (2014) Diversity of endophytic and rhizosphere soil fungi of *Avicennia marina* in

- Maravakadu mangrove forest. *IOSR Journal of Pharmacy and Biological Sciences*. 9 (2): 24 - 28.
190. Rasheed, M.U., Jamil, Kaisar., **Thajuddin, N.**, Pasupuleti, M., Parveez Ahamed, A. and K.P. Muthukumerasan. (2014). Distribution of the stx1, stx2 and hlyA genes: Antibiotic profiling in Shiga-toxigenic *E. coli* strains isolated from food sources. *International Journal of Current Microbiology and Applied Sciences*.3(5): 348 – 361. (IF: 1.594)
 191. Balaperiasamy B, Senthil Kumar R, **Thajuddin N**, Panneerselvam A. (2014). Preliminary estimation of antioxidant activities of *Hypericum wightianum* Wall. ex Wight & Arn using various *in vitro* assay models. *Journal of Pharmacy Research* 8(3): 520-525.
 192. Vijayan, D., Manivannan, K., Santhoshkumar S., Pandiaraj, D., Mohamed Imran, M., Thajuddin, N., Kala, K and Ilyas, M.H.M. (2014) Depiction of microalgal diversity in Gundur Lake, Tiruchirappalli District, Tamil Nadu, South India. *Asian Journal of Biological Sciences*.7(3): 111 - 121.
 193. Dhanasekaran., D, N. **Thajuddin**, A. Panneerselvam., S. Chandraleka. (2014). Isolation, characterization of antibacterial methyl substituted β -Lactum compound from *Streptomyces noursei* DPTD21 in Saltpan Soil, India, *Journal of Biologically Active Products from Nature*. 4(2): 71-88.
 194. Dhana Sekaran D., Latha C., Jayabharathi C., Saha S., Thajuddin N., Panneerselvam A. and Saravanamuthu, R. (2013). Effect of mutagens on *Pleurotus eous* APK1 for biomass improvement. *J. Sci. Trans. Environ. Technov.* 7(2): 89 – 95.
 195. Amaresan N., Jayakumar V. and N. **Thajuddin** (2014) Isolation and characterization of endophytic bacteria associated with chilli (*Capsicum annum*) grown in coastal agricultural ecosystem. *Indian Journal of Biotechnology* 13: 247-255. (IF: 0.324)
 196. Nithya M., Ambikapathy V., Panneerselvam A. and N. **Thajuddin** (2014) Anti-tumour activity of different extracts of *Ganoderma lucidum* (Curt.: FR.) P. Karst. *World Journal of Pharmaceutical Research*. 3(4): 2204-2214.
 197. Rekha, D., Panneerselvam, A. and N. **Thajuddin** (2014) Studies on medicinal plants of A.V.V.M. Sri Pushpam College Campus, Thanjavur District of Tamil Nadu, Southern India. *World Journal of Pharmaceutical Research* 3(5): 785-820.
 198. SatheeshKumar M S, Praveenkumar R, Byong-Hun Jeon and N. **Thajuddin** (2014) Chlorpyrifos induced changes in the antioxidants and fatty acid compositions of *Chroococcus turgidus* NTMS12. *Letters in Applied Microbiology*. 59(5): 535-541. (IF: 2.813)
 199. Suresh A., Praveenkumar R., Thangaraj R, Lewis-Oscar F., Dhanasekaran D. and N. **Thajuddin**. (2014). Microalgal fatty acid methyl ester a new source of bioactive compounds with antimicrobial activity. *Asian Pacific Journal of Tropical Disease*. 4 (2): S979-S984.
 200. Gopinath PM, Narchonai G, Dhanasekaran D, Ranjani A, **Thajuddin N**. (2015) Mycosynthesis, characterization and antibacterial properties of AgNPs against multidrug resistant (MDR) bacterial pathogens of female infertility cases, *Asian Journal of Pharmaceutical Sciences* 10: 138-145. (IF: 9.273).
 201. Rasheed, M.U., **Thajuddin, N.**, Parveez Ahamed, A., Teklemarium, Z. and K. Jamil (2014) Antimicrobial drug resistance in strains of *Escherichia coli* isolated from food sources *Rev. Inst. Med. Trop. Sao Paulo* 56(4):341-346. (IF: 2.169).
 202. Balaperiasamy B, Parveez Ahamed A., **Thajuddin N**, Panneerselvam A. (2014). Evaluation of *Hypericum wightianum* Wall. ex Wight and Arn. extracts for antibacterial activity against human pathogens. *International Journal of Current Research*. 6(9): 8669-8672.
 203. Faritha A., Nasser A J A., Parveez Ahamed A. and N. **Thajuddin** (2014) Synthesis, characterization and biological activity of certain Pyrazole derivatives. *Journal of Chemical and Pharmaceutical Research*, 6(9):189-193.

204. Faritha A., Nasser A J A., Parveez Ahamed A. and **Thajuddin N** (2014) Synthesis, characterization and antimicrobial evaluation of certain Pyrazolines. *International Journal of Pharmaceutical Research and Bio-Science*. 3(5): 516 – 527.
205. Mohamed Imran. M., Reehana, N., Muralitharan, G. and **N. Thajuddin**. (2014). Molecular phylogeny and *in silico* analysis of 18S rRNA genes from selected microalgal cultures. *Seaweed Research and Utilization*. 36(1&2): 126 – 135.
206. Dineshkumar, S., P. Santhanam., F. Lewis-Oscar and **N. Thajuddin**. (2014). A dual role of marine microalga *Chlorella* sp. (PSDK01) in aquaculture effluent with emphasis on initial population density. *Arabian Journal for Science and Engineering*. 40(1):29-35. (IF: 2.807).
207. Chari Nithya, Felix LewisOscar, Selvaraj Kanaga, Renganathan Kavitha, Dhamodharan Bakkiyaraj, Manivel Arunkumar, Naiyf S. Alharbi, Arunachalam Chinnathambi, Sulaiman Ali Alharbi and **Nooruddin Thajuddin** (2014) Biofilm inhibitory potential of *Chlamydomonas* sp. extract against *Pseudomonas aeruginosa*. *J. Algal Biomass Utiln.*, 5 (4): 74-81.
208. Dhanasekaran D., Sharon R., Alharbi N.S., Arunachalam C., Alharbi S.A. and **N. Thajuddin** (2014). Characterization and Identification of Biofilm Forming Bacterial Isolate *Shewanella* sp. DDR4. *Journal of Advanced Microbiology* 1 (2): 96 – 106.
209. Indira Priyadarshani, **Nooruddin Thajuddin** and Biswajit Rath, (2014) Influence of aeration and light on biomass production and protein content of four species of marine cyanobacteria of Odisha coast. *International Journal of Current Microbiology and Applied Sciences*. 3(12): 173-182
210. Kannaiyan Moorthy, Raja Vinodhini, Balakrishnan Senthilkumar, Thambidurai Punitha, Duraisamy Senbagam and **Nooruddin Thajuddin** (2014) Phytochemical analysis, *in-vitro* antimicrobial activity of Indian medicinal ferns *Adiantum lunulatum* and *Hemionitis arifolia*. *Journal of Pharmacy Research* 8(11):1671-1676.
211. Edachery Baldev, Davoodbasha MubarakAli, Masilamani Dhivya, Mahalingam Kanimozhi, Thajuddin Shakena-Fathima, Naiyf S Alharbi, Chinnathambi Arunachalam, SulaimanAli Alharbi and **Nooruddin Thajuddin** (2014) Facile and novel strategy for methods of extraction of biofuel grade lipids from microalgae- an experimental report. *International Journal of Biotechnology for Wellness Industries* 3: 121-127.
212. Baldev, E., MubarakAli, D. and **Thajuddin N**. (2014) Role of microalgae in dye degradation. *Journal of Scientific Transactions in Environment and Technovation* 8(1): 1 – 8.
213. Vijayakumar, R., Panneerselvam, A. and **Thajuddin, N**. (2014). Diversity of bioactive compound producing actinobacteria isolated from natural disaster affected marine environments. *Journal of Scientific Transactions in Environment and Technovation* 8(1): 27 – 32.
214. MubarakAli D., Arunkumar J., Pooja P., G. Subramanian, **Thajuddin N**. and Alharbi, N.S. (2015) Synthesis and characterization of biocompatible tenorite nanoparticles for implant coating with potential property against biofilm formation. *Saudi Pharmaceutical Journal* 23: 421–428 (IF 4.562)
215. MubarakAli, D. and **Thajuddin N**. (2015) Factors inhibiting the Education specialists/Agents in transferring technology from lab to land in India. *Asian Journal of Scientific Research*. 8(2): 134-141
216. Nithya, K., Muthukumar, C., Duraipandiyan, V., Dhanasekaran, D. and **Thajuddin, N**. (2015) Diversity and antimicrobial potential of culturable actinobacteria from desert soils of Saudi Arabia. *Journal of Pharmaceutical Sciences and Research*. 7(3): 117 – 122.
217. Santhakumari, S, Kannappan, A., Pandian, S. K., **Thajuddin, N.**, Babu Rajendran, R. and A. Veera Ravi (2016) Inhibitory effect of marine cyanobacterial extract on biofilm formation and virulence factors production of bacterial pathogens causing vibriosis in aquaculture. *Journal of Applied Phycology*. 28: 313-324. (IF- 3.404).

218. Baldev, E., Pandiaraj, D., Shriraman, R. V., MubarakAli, D., Alharbi, N.S. and **N. Thajuddin** (2015) Extraction and partial characterization of exopolysaccharides from marine cyanobacteria and their flocculation property. *Research Journal of Environmental Sciences*. 9(1): 28 - 38.
219. **Thajuddin, N.**, Ilavarasi, A., Baldev, E., MubarakAli, D., Naiyf S. Alharbi, Arunachalam C. and Sulaiman Ali Alharbi (2015) Stress Induced Lipids Accumulation in Naviculoid Marine Diatoms for Bioenergy Application. *International Journal of Biotechnology for Wellness Industries*, 4: 18-24.
220. Moorthy, K., Punitha, T., Vinodhini, R., Suresh M., Shonga, A., Tomass, Z. and **N. Thajuddin** (2015) Efficacy of different solvent extracts of *Aristolochia krisagathra* and *Thottea ponmudiana* for potential antimicrobial activity. *Journal of Pharmacy Research* 9(1): 35-40
221. Gopinath, P.M., Dhanasekaran, D., Ranjani, A., **Thajuddin, N.**, Akbarsha, M.A., Velmurugan, M., and Panneerselvam, A. (2015) Optimization of sporicidal activity and environmental *Bacillus* endospores decontamination by biogenic silver nanoparticle. *Future Microbiology* 10(5):725-741 (IF: 3.553).
222. Thennarasu, V., **Thajuddin, N.** and Panneerselvam, A. (2015) Antibacterial activity of *Penicillium spinulosum* TTMF2 isolated from marine soils of Chidiya Tapu in Andaman and Nicobar Islands, India. *World Journal of Pharmaceutical Research*. 4(5): 2577-2587.
223. Satheesh Kumar M., Akhil N. Kabra, Booki Min, Marwa M. El-Dalatony, Jiuqiang Xiong, **Nooruddin Thajuddin**, Dae Sung Lee and Byong-Hun Jeon (2016) Insecticides induced biochemical changes in freshwater microalga *Chlamydomonas mexicana*. *Environ Sci Pollut Res* 23(2):1091-1099. (IF – 5.19)
224. Lewis-Oscar, F., Bakkiyaraj, D., Nithya, C. and **N. Thajuddin**. (2015) Deciphering the diversity of Microalgal bloom in wastewater – An attempt to construct potential consortia for bioremediation. *Journal of Current Perspectives in Applied Microbiology*. 3(2): 92 – 96.
225. Felix LewisOscar, Davoodbasha MubarakAli, Chari Nithya, Rajendran Priyanka, Venkatraman Gopinath, Naiyf S. Alharbi and **Nooruddin Thajuddin** (2015) One pot synthesis and anti-biofilm potential of copper nanoparticles (CuNPs) against clinical strains of *Pseudomonas aeruginosa*. *Biofouling* 31 (4): 379–391 (IF: 3.797).
226. Jeyaraj, N., Ravikumar, S., Pandiaraj, D., Santhanam, P. and **N. Thajuddin** (2015) Occurrence of *Trichodesmium erythraeum* bloom in the Gulf of Mannar, Southeast coast of India. *International Journal of Current Research and Development* 3(2): 1–10.
227. Baldev, E., MubarakAli, D., Dinesh Kumar, R. and **N. Thajuddin** (2015) Molecular phylogeny of morphologically diverse cyanobacteria based on Ribosomal Conserved Sequence. *Journal of Environmental Science and Technology*. 8 (5): 188-197.
228. Felix LewisOscar, Ramasamy Praveenkumar and **Nooruddin Thajuddin** (2015) Bioethanol production using starch extracted from microalga *Stigeoclonium* sp. Kütz. BUM11007 cultivated in domestic wastewater. *Research Journal of Environmental Sciences* 9 (5): 216-224.
229. Padmavathi A R, Bakkiyaraj D, **Thajuddin N**, Pandian S K (2015) Effect of 2, 4-di-tert-butylphenol on the growth and biofilm formation of an opportunistic fungus *Candida albicans*. *Biofouling* 31(7): 565–574 (IF: 3.797)
230. Manivannan, N., Udhayakumar, G., Ravishankar, R., **Thajuddin, N.**, Thilagavathy, D., Thanighaiarassu, R. R., Sivamani, P. and Raghunathan, D. (2015) Study on vermicast microflora of *Eudrilus eugeniae* using different leaf litters *European Journal of Pharmaceutical and Medical Research*. 2(5), 826-835.
231. ***Thajuddin, N.**, Muralitharan, G., Dhanasekaran D. and M. H. Muhammad Ilyas (2014), Microbial Symbionts of Plants. In: *Plant Biology and Biotechnology* (Eds.) Bir Bahadur, M. V. Rajam, Leela Sahijram and K.V. Krishnamurthy. Springer. Chapter 11: 281 – 306

232. *Sumathy, S., Muralitharan, G. and N **Thajuddin** (2015) Cyanobacteria and Algae - A Potential Source of Biological Control Agents used against Phytopathogenic Bacteria. *In: Sustainable Approaches on Controlling of Plant Pathogenic Bacteria* (Eds. V. Rajesh Kannan & Bastas Kubilay) CRC Press. USA. Chapter 12: 241 – 253.
233. Manivannan, N., Udhayakumar, G., Gnanadesigan, M., **Thajuddin**, N., Daniel, T., Sivakumar, V.K., Thanighairassu, R.R., Raghunathan, D. and Sivamani, P. (2015) Effects of biofertilizer enriched vermicompost on the growth parameters of *Vigna unguiculata* (L.) *International Journal of Scientific Research* 4(10): 129 – 132.
234. *Vijayakumar, R., Vaijayanthi, G., Panneerselvam, A. and **Thajuddin**, N (2015) Actinobacteria – A predominant source of antimicrobial compound. In: *Antimicrobials: Synthetic and Natural Compounds*. (Eds. Dhanasekaran. D., Thajuddin N. and A. Panneerselvam) CRC Press Taylor & Francis Group, USA, pp 117-141.
235. *Amaresan N., Srivathsa N., Jayakumar V., Someshwar B., **Thajuddin** N. (2015) Antimicrobial compounds from rhizosphere bacteria and their role in plant disease management. In: *Antimicrobials: Synthetic and Natural Compounds*. (Eds. Dhanasekaran. D., Thajuddin N. and A. Panneerselvam) CRC Press, Taylor & Francis Group, USA, pp 371 - 385.
236. Felix LewisOscar, Chari Nithya, Dhamodharan Bakkiyaraj, Manivel Arunkumar, Naiyf S. Alharbi and **Nooruddin Thajuddin** (2015) Biofilm inhibitory effect of *Spirulina platensis* extracts on bacteria of clinical significance. *PNAS Biological Sciences*, 87 (2), 537-544. (IF: 0.36).
237. Saravanakumar, K., MubarakAli, D., Kathiresan, K., Thajuddin, N., Alharbi, N. S and Jie Chen (2015) Biogenic metallic nanoparticles as catalyst for bioelectricity production: a novel approach in microbial fuel cells. *Materials Science and Engineering B*. 203: 27-34. (IF: 3.407)
238. Siva, G., Sivakumar, S., Premkumar, G., Vigneshwaran, M., Vinoth, S., Muthamilselvan, A., Parveez Ahamed, A., Manivannan, K., Rajeshkumar, R., **Thajuddin**, N., Senthikumar, T. and N. Jayabalan. (2015) Optimization of elicitation condition with Jasmonic acid, characterization and antimicrobial activity of Psoralen from direct regenerated plants of *Psoralea corylifolia* L. *Biocatalysis and Agricultural Biotechnology*. 4: 624–631.
239. Thangaraj, R., Santhoshkumar, S., Dhanasekaran, D., Kala, K., Naiyf S. Alharbi, Arunachalam C., Sulaiman Ali Alharbi and **N. Thajuddin** (2015) Evaluation of antibacterial activity of zinc oxide nanoparticles synthesized using phycobilins of *Anabaena* sp. NTSS17 *Journal of Coastal Life Medicine* 3(12):944 - 949.
240. Nazeerullah, R., **Thajuddin**, N. and Syed Moideen R. (2016) Studies on bacteriorhodopsin synthesis in UV induced mutant *Halobacterium salinarium* with different time of UV exposure. *International Journal of Scientific Research*. 5(1): 571 – 573.
241. Nithya, K., Muthukumar, C., Dhanasekaran, D., Arunachalam, C. and **Thajuddin**, N. (2016) Isolation, characterization and screening of antimicrobial metabolites from desert actinobacteria *Streptomyces* sp. strain DA7-2. *International Journal of Biological & Pharmaceutical Research*. 7(2): 116-121.
242. Suresh M., Al-Aboody M.S., Rath P.K., Panneerselvam A. and **N. Thajuddin** (2016) Screening and antibacterial efficacy of selected Indian medicinal plants. *Asian Pacific Journal of Tropical Biomedicine*. 6(3): 185 – 191 (IF: 1.514).
243. Gopinath, V., Priyadarshini, S. MubarakAli, D., Loke, M.F., **Thajuddin**, N., Alharbi, N.S. Yadavalli, T., Alagiri, M. and Vadivelu J. (2016) Anti-*Helicobacter pylori*, cytotoxicity and catalytic activity of biosynthesized gold nanoparticles: Multifaceted application, *Arabian Journal of Chemistry*. 12: 33 – 40. (IF – 6.212)
244. Hemalatha, A., MohammedEsa S.A.R., Suresh, M., **Thajuddin**, N. and Anantharaman, P. (2017) Identification of *Odontella aurita* by *rbcL* gene sequence – a high antibacterial potential centric marine diatom. *Mitochondrial DNA Part A*. 28 (5): 655 -661. (IF: 1.695).

245. Haja Hameed, A.S., Karthikeyan, C., ParveezAhamed, A., **Thajuddin, N.**, Naiyf S. Alharbi., Sulaiman Ali Alharbi and Ravi, G. (2016) *In vitro* antibacterial activity of ZnO and Nd doped ZnO nanoparticles against ESBL producing *Escherichia coli* and *Klebsiella pneumonia*. *Scientific Reports*. 6: 24312. (Nature Group) (IF: 4.996).
246. Hemalatha,A.,Suresh, M., Girija, K., **Thajuddin, N.** and Anantharaman, P. (2016). Growth and biochemical composition of three cultured marine diatoms. *Seaweed Research and Utilization*. 38(1) 155 – 160.
247. Mubarak Ali, D., Lewis Oscar, F., Santhoshkumar, S. and **Thajuddin, N** (2016) Bright field, dark field, phase-contrast and confocal laser scanning microscopic studies of morphologically diverse selected fresh water microalgae: a comparative report. *Phykos*. 46 (1): 40-51.
248. Muthukumar, C., Panneerselvam, A., Vijayakumar, R., Nithya, K., Dhanasekaran, D., **Thajuddin, N.** and Saravanamuthu, R. (2016) Diversity of wood-inhabiting marine fungi from Muthupet Mangrove environs of Tamilnadu, India. *J. Sci. Trans. Environ. Technov.* 9(1): 42 – 49.
249. Soundararajan, S., Suresh, A., Dhanasekaran, D. and **N. Thajuddin.** (2016) Diversity of microalgae from different water bodies around Tiruchirappalli, Tamil Nadu. *Seaweed Res. Utiln.* 38(1): 95 – 102.
250. **Thajuddin, N.** and Muralitharan, G. (2016). PCR based DNA/rRNA fingerprinting and phylogeny of cyanobacteria. *Seaweed Res. Utiln.* 38(1): 137 – 147.
251. Santhoshkumar, S., Baldev, E., Thangaraj, R., Arulselvan C., Deepa, K., Kala, K., Panneerselvam, A. and **N. Thajuddin.** (2016) Microalgal diversity from different freshwater ponds around Thanjavur, Tamil Nadu. *Seaweed Res. Utiln.* 38(1): 115 – 126.
252. Lavania R., Baldev, E. and **N. Thajuddin** (2016) Extraction and optimization of exopolysaccharide (EPS) from cyanobacterium *Phormidium animale* NTEL4 with special reference to its biotechnological potentials. *Seaweed Res. Utiln.*38(1): 149 – 154.
253. Hemalatha, A., Suresh, A., Girija, K., **Thajuddin, N.** and P. Anantharaman, (2016) Growth and biochemical composition of three cultured marine diatoms *Seaweed Res. Utiln.*38(1): 155 – 160.
254. Balaperiasamy B, **Thajuddin N**, Panneerselvam A (2016) Cytotoxic activity and Apoptosis induction of *Hypericum wightianum* Wall, Ex Wight & Arn Int. *J. Pharm. Sci. Rev. Res.*, 38(2): 232-237
255. *Felix LewisOscar, Sasikumar Vismaya, Manivel Arunkumar, **Nooruddin Thajuddin**, Dharumadurai Dhanasekaran and Chari Nithya (2016). Algal Nanoparticles: Synthesis and Biotechnological Potentials. Chapter 7. In: *Algae – Organisms for Imminent Biotechnology*. (Eds.) N. Thajuddin & D. Dhanasekaran. INTECH Open Access Publisher. Croatia. Pages 157 – 182.
256. Moirangthem Thajamanbi, Jayashree Rout and **Nooruddin Thajuddin**(2016) Isolation and characterization of two cyanobacterial strains *Calothrix* sp. and *Microchaete* sp. from rice fields of Karimganj District, Assam, North East India. *Current World Environment*. 11 (2): 399 – 405.
257. Nithya, K., C. Muthukumar, D. Dhanasekaran, S. Kadaikunnan, N.S. Alharbi, J.M. Khaled and **N. Thajuddin**, 2016. Production, optimization and partial characterization of thermostable and alkaline amylase from *Bacillus licheniformis* KSU-6. *Int. J. Agric. Biol.*, 18: 1188–1194 (IF – 0.822)
258. Mohamed Yousuff Mohamed Imran, Nazar Reehana, K. Arumugam Jayaraj, Abdul Azees Parveez Ahamed, Dharmadurai Dhanasekaran, **Nooruddin Thajuddin**, Naiyf S. Alharbi, Gangatharan Muralitharan (2016) Statistical optimization of exopolysaccharide production by *Lactobacillus plantarum* NTMI05 and NTMI20. *International Journal of Biological Macromolecules* 93 : 731–745 (IF: 8.025)
259. Gopinath P.M., Ranjani A., Dhanasekaran D., Thajuddin, N., Archunan, G., Akbarsha, M.A., Gulyas, B and Padmanabhan P. (2016) Multi-functional nano silver: A novel disruptive and

260. Santhoshkumar S., Karthi C., Velayutham P., Jeyaprakash R., **Thajuddin N.** and Kala K. (2016) Effect of cyanobacterial extracellular products on mass propagation of *Gloriosa superba* L. through shoot apex explants. *World Journal of Pharmacy and Pharmaceutical Sciences*. 5 (11): 1324-1334
261. Borah, D., Vimala, N. and **Thajuddin, N.** (2016) Biochemical composition and chemotaxonomy of cyanobacteria isolated from Assam, North-East India. *Phykos* 46 (2): 33-45.
262. ***Thajuddin, N.**, Vinitha, G, Mubarakali, D, and LewisOscar, F (2016) Development and Application of Nanocatalyst for Algal Biofuel Production. In: *Biocatalysts in Biomass and Bioproducts*. (Eds.) K. Ramasamy, S. Karthikeyan and U. Sivakumar. Chapter 7, 121 – 134. Tamil Nadu Agricultural University Publications. Coimbatore.
263. Shine K, Kanimozhi K, Panneerselvam A, Muthukumar C, **Thajuddin N.** (2016). Production and optimization of alkaline protease by *Bacillus cereus* RS3 isolated from desert soil. *Int. J. Adv. Res. Biol. Sci.* 3(7): 193-202.
264. Shine K, Kanimozhi K, Panneerselvam A, Muthukumar C, **Thajuddin N.** (2016) Optimization of production and partial characterization of alkaline protease by newly isolated *Bacillus subtilis* strain RS2 from desert soil. *Journal of Environmental and Applied Bioresearch* 4,(1): 9 – 15.
265. *Narayanasamy, M., Dhanasekaran, D. and **Thajuddin, N** (2017) Biological Recovery of Metals from Electronic Waste Polluted Environment using Microorganisms. In: *Microbes for Restoration of Degraded Ecosystems*. (Eds.): D.J. Bagyaraj and Jamaluddin. New India Publishing Agency, New Delhi Chapter 7, 149 – 172.
266. *Dhanasekaran, D., Sundaresan, M., Suresh, A., **Thajuddin, N.**, Thangaraj R and G. Vinothini. (2017). Oleaginous Microorganisms for Biofuel Development. Book Series on *Environmental Science and Engineering, Climate Change and Sustainable Technology*, Bhola R Gurjar and J N Govil (Eds.), Studium Press, USA, Chapter.12, pp.243-263.
267. Buvaneswari, G., Thenmozhi, R., Nagasathya A. and **Thajuddin, N.** (2017) Screening of efficient monocrotophos degrading bacterial isolates from paddy field soil of Sivagangai District, Tamil Nadu, India. *Journal of Environmental Science and Technology*. 10(1): 13-24. (IF: 3.519).
268. ParveezAhamed, A.A., Rasheed, M.U., Noorani, K.P.M., Reehana, N., Santhoshkumar, S., Imran, M.Y.M., Naiyf, A.S., Arunachalam, C., SulaimanAli, A., Akbarsha, M.A. and **Thajuddin, N.** (2017) *In vitro* antibacterial activity of MGDG-Palmitoyl from *Oscillatoria acuminata* NTAPC05 against extended spectrum beta lactamase producers. *The Journal of Antibiotics*. 70(6): 754 - 762 (Nature Group) (IF: 3.424).
269. Vijayakumar, S., Malaikozhundan, B., Shanthi, S., Vaseeharan, B. and N. Thajuddin (2017) Control of biofilm forming clinically important bacteria by green synthesized ZnO nanoparticles and its ecotoxicity on *Ceriodaphnia cornuta*. *Microbial Pathogenesis* 107: 88-97(IF: 3.848)
270. Baldev, E., MubarakAli, D and **N. Thajuddin.**2016. Microalgal Biomass Production: Lab-to-Land practices in Bharathidasan University, India. *ENVIS Newsletter*, 14 (3): 2-4.
271. Pandiaraj, D., Baldev, E., Muhammad Ilyas, M.H. and **N. Thajuddin** (2017) Production, Extraction and purification of C-Phycocerythrin from marine cyanobacterium, *Phormidium persicinum* NTDP01. *Phykos* 47 (1): 16-22.
272. Nithya, C., LewisOscar, F., MubarakAli, D., Alharbi, N.S. and **N. Thajuddin.** (2017). *In vitro* and *in vivo* antibiofilm effect of one pot synthesized copper nanoparticles against aquaculture pathogens. *Biocat. Agri. Biotechnol.*, 10: 336 – 341.
273. Rajasree, S., MubarakAli, D., Desika P., Harshiny, M., **Thajuddin, N.**, Smit, S K and A. Pugazhendhi (2017). An enhancement of antimicrobial efficacy of biogenic and ceftriaxone

- conjugated silver nanoparticles: green approach. *Environmental Science and Pollution Research* 25(11):10362-10370 (IF – 5.19).
274. Shafreen, R.B., Seema, S., Ahamed, A. P., **Thajuddin N.**, and Sulaiman Ali Alharbi (2017) Inhibitory Effect of Biosynthesized Silver Nanoparticles from Extract of *Nitzschia palea* Against Curli-Mediated Biofilm of *Escherichia coli*. *Appl. Biochem. Biotechnol.* 183(4):1351-1361 (IF: 3.094).
275. Narayanasamy M, Dhanasekaran D, Vinothini G and **N. Thajuddin**. 2017. Extraction and recovery of precious metals from electronic waste printed circuit boards by bioleaching acidophilic fungi. *International Journal of Environmental Science and Technology*, DOI: 10.1007/s13762-017-1372-5. (IF: 3.519).
276. Sumathy S., Gayathri, M., Prasannabalaji, N., **Thajuddin, N.** and G. Muralitharan (2017) Unraveling the presence of multi-class toxins from *Trichodesmium* bloom in the Gulf of Mannar region of the Bay of Bengal. *Toxicon*.135: 43-50. (IF: 3.033).
277. Sabeeha Sultana, Gowri Srinivasa and **N Thajuddin** (2017) Automatic Detection and Pattern recognition of Morphological growth phases of *Scenedesmus* sp. *International Journal of Advanced Trends in Computer Applications*. 4(6): 1-6.
278. Priya, E., Thenmozhi, R., Nagasathya A., Praveen Kumar. D., **Thajuddin, N.** and Muralitharan, G. (2017) Antagonistic potential of *Streptomyces flavomacrosporus* GACMPT-57 against plant pathogens. *Journal of Microbiology and Biotechnology Research*. 4 (1):68-73
279. Manickam Gayathri, Sumathy Shunmugam, **Nooruddin Thajuddin** and Gangatharan Muralitharan (2017) Phytohormones and free volatile fatty acids from cyanobacterial biomass wet extract (BWE) elicit plant growth promotion. *Algal Research*. 26: 56–64 (IF: 5.27)
280. Krishnan, R., Panneerselvam, A., **Thajuddin, N.** and Ilavarasi, A. (2017) Isolation and characterization of halophilic bacteria producing amylase and protease enzyme from Marakkanam salt pan. *International Journal of Biological Research and Development*. 7(1):1-8.
281. Anju Majeed, Kalyanam Nagabhushanam, Muhammed Majeed, Samuel Manoharan Thomas and **Nooruddin Thajuddin** (2017) An expeditious, green and protecting-group - Free synthesis of a potent secondary metabolite Calebin-A and its analogues. *SynOpen*: 1: 125 – 128.
282. Krishnan, R., Paneerselvam, A., Ilavarasi, A. and **Thajuddin, N.** (2017) Isolation of pigment producing halophilic bacteria from Marakkanam salt pans and evaluation of their antioxidant ability. *World Journal of Pharmacy and Pharmaceutical Sciences*. 6(10): 205 – 216.
283. Murpinkumar, P.S., MubarakAli, D., Saratale, R.G., Saratale, G.D., Pugazhendhi, A., Gopalakrishnan, K. and **Thajuddin. N.** (2017) Synthesis of nano-cubical gold particles for effective antimicrobial property against clinical human pathogens. *Microbial Pathogenesis*. 113: 68 – 73. (IF: 3.84)
284. Felix LewisOscar, Chari Nithya, Sulaiman Ali Alharbi, Naiyf S. Alharbi and **Nooruddin Thajuddin** (2018) Microfouling inhibition of human nosocomial pathogen *Pseudomonas aeruginosa* using marine cyanobacteria *Microbial Pathogenesis*, 114: 107–115. (IF: 3.84)
285. MubarakAli, D., LewisOscar, F., Gopinath, v., Naify S. Alharbi., Sulaiman Ali Alharbi and **N. Thajuddin** (2017) An inhibitory action of chitosan nanoparticles against pathogenic bacteria and fungi and their potential applications as biocompatible antioxidants. *Microbial Pathogenesis*.114: 323 - 327. (IF: 3.84)
286. Moirangthem Thajamanbi, Jayashree Rout and **Nooruddin Thajuddin** (2016) Blue-Green Algae from Rice Fields of Karimganj District, Assam, North East India. *International Journal of Life Sciences and Pharma Research*. 6(4): 25 – 34.
287. MubarakAli, D. Baldev, E., **Thajuddin N.**, S.Y. Lee and J.W. Kim (2018) An evidence of C16 fatty acid methyl esters extracted from microalga for effective antimicrobial and antioxidant property. *Microbial Pathogenesis* 115: 233 – 238. (IF: 3.84)

288. Buvaneswari, G., Thenmozhi, R., Nagasathya, A., **Thajuddin, N.** and Praveenkumar, D. (2018). GC-MS and molecular analyses of monocrotophos biodegradation by selected bacterial isolates. *African Journal of Microbiology Research*. 12(3): 52 – 61.
289. Felix Lewis Oscar, Chari Nithya, Sulaiman Ali Alharbi, Naiyf S. Alharbi and **Nooruddin Thajuddin** (2018) *In vitro* and *in silico* attenuation of quorum sensing mediated pathogenicity in *Pseudomonas aeruginosa* using *Spirulina platensis*. *Microbial Pathogenesis*. 116: 246 - 256. (IF: 3.84)
290. Edachery Baldev, Davoodbasha Mubarakali, Kandasamy Saravanakumar, Chithirai Arutselvan, Naiyf S. Alharbi, Sulaiman Ali Alharbi, Velusamy Sivasubramanian, **Nooruddin Thajuddin** (2018) Unveiling algal cultivation using raceway ponds for biodiesel production and its quality assessment. *Renewable Energy*. 123: 486 - 498. (IF: 8.63)
291. Upadhyaya A, Nagasatya A, **Thajuddin N**, Paneerselvam A, Giridhara U (2014) Mutation studies on *Streptomyces* for amphotericin B yield improvement. *Indian J. Microbiol. Res.* 1(1):56-59.
292. Borah, D., Subramanian, G., Jayashree Rout, Naiyf S. Alharbi, Sulaiman Ali Alharbi, and **Thajuddin, N.** (2018) Biolubricant potential of Exopolysaccharides from the cyanobacterium *Cyanothece epiphytica*. *Applied Microbiology and Biotechnology* 102 (8): 3635 – 3647 (IF: 5.56)
293. *Reehana, N., M. Mohamed Imran, **N. Thajuddin** and D. Dhanasekaran (2018) Cyanobacterial Toxins as Biolarvicides for Blood Sucking Vectors. *In: Microbial Control of Vector Born Diseases*. (Eds.) B.K.Thyagi and D. Dhanasekaran. CRC Press: Taylor & Francis Group. Chapter 16, pages 315 – 334.
294. **Thajuddin N.**, MubarakAli D. and G. Subramanian (2018) Emerging biotechnological potential of marine cyanobacteria. *ENVIS NEWSLETTER*. 16(1): 2 – 5.
295. Ranjani, A., Gopinath P.M., Ananth S., Narchonai G., Santhanam, P., **Thajuddin N** and D. Dhanasekaran (2018). Multidimensional dose-response toxicity exploration of silver nanoparticles from *Nocardiopsis flavascens* RD30, *Applied Nanoscience*. 8: 699-713. (IF 3.86).
296. Vijayakumar, R., Gopalakrishnan, A., Singaravel, V. and **Thajuddin, N.** (2018) Pathology of gastric tumour in gold spot mullet (*Liza parsia*) from Parangipettai coastal waters, southeast coast of India. *Wayamba Journal of Animal Science* 733 – 736.
297. Vasantharaja R., Stanley A. L., MubarakAli D., Narendrakumar G., Thirugnanasambandam R., Kirubaganan R., and **Thajuddin, N.** (2018) Unravelling rapid extraction of fucoxanthin from *Padina tetrastromatica*: Purification, characterization and biomedical application. *Process Biochemistry*. 73:211 - 219 (IF: 4.88).
298. TamilKumar, T., Saliq, S.M., Ilyas, M.H.M., **Thajuddin, N.**, Panneerselvam, A., Pausha, M.K.S. and Jahangir, H.S. (2018) Phytochemical screening and antimicrobial studies in Leaf extracts of *Indigofera aspalathoides* (Vahl.) *Pharmacognosy Journal* 10 (6): 1208 - 1215
299. *Narchonai, G., Mubarak Ali, D. and **N.Thajuddin**. (2018). Microalgal based Biofuel Production: Prospects and Perspective. *In: Bioprospecting of Algae* (Prof. J.P. Sinha Memorial Volume) (Eds) : M.N. Noor, S.K. Bhatnagar & Shashi K. Sinha. Publisher: Society for Plant Research, India 108 – 142pp.
300. *Borah, D., Subramanian, G. and **N. Thajuddin** (2018) Algal Blooms : understanding the Key to Biomass Production. *In: Bioprospecting of Algae* (Prof. J.P. Sinha Memorial Volume) (Eds): M.N. Noor, S.K. Bhatnagar & Shashi K. Sinha. Publisher: Society for Plant Research, India 143 – 174pp.
301. *Ezhilarasi, A., **Thajuddin N.** and N. Anand (2018). Molecular Taxonomic studies on Cyanobacteria. *In: Bioprospecting of Algae* (Prof. J.P. Sinha Memorial Volume) (Eds): M.N. Noor, S.K. Bhatnagar & Shashi K. Sinha. Publisher: Society for Plant Research, India 293 – 308pp.

302. *Anand, N., **Thajuddin, N.** and Dadheech, P.K. (2019). Cyanobacterial Taxonomy: Morphometry to Molecular Studies. In: *Cyanobacteria - From Basic Science to Applications*. (Eds.) A.K. Mishra, D.N. Tiwari and A.N. Rai. Academic Press (An imprint of Elsevier Inc. London) Chapter 3: 43-63pp.
303. Haja Hameed, A.S., Louis. G., Karthikeyan, C., **Thajuddin, N.** and Ravi, G. (2019), Impact of l-Arginine and l-Histidine on the structural, optical and antibacterial properties of Mg doped ZnO nanoparticles tested against extended-spectrum beta-lactamases (ESBLs) producing *Escherichia coli*. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*. 211:373-382. (IF: 4.83).
304. ArunKumar, M., Lewis-Oscar, F., **Thajuddin, N.** and Nithya, C. (2018) Isolation and screening of biofilm forming *Vibrio* spp. from fish sample around south east region of Tamil Nadu and Puducherry. *Biocatalysis and Agricultural Biotechnology*. 17: 379–389.
305. Ngo-Mback, M.N.L., MubarakAli, D., Jazet-Dongmo, P.M., Fekam-Boyom, F. and **Thajuddin, N.** (2019). Anti-candidal biofilm potential of solvent extracts of *Aeollanthus cucullathus* (Ryding) and its chemical analysis. *Biocatalysis and Agricultural Biotechnology*. 17: 595 – 604.
306. Suresh, A., Soundararajan, S., Elavarasi, S., LewisOscar, F. and **Thajuddin, N.** (2019) Evaluation and characterization of the plant growth promoting potentials of two heterocystous cyanobacteria for improving food grains growth. *Biocatalysis and Agricultural Biotechnology*. 17: 647 - 652
307. Deepa, K.P., Panneerselvam, A. and **Thajuddin, N.** (2018). Growth and proximate composition of waste water isolated microalgae *Coelastrella* under different nutrient conditions. *International Journal of Research and Analytical Reviews*. 5(4) 239 – 243.
308. Dinesh Kumar, S., Ananth, S., Santhanam, P., Parveez Ahamed, A. and **N. Thajuddin** (2019). Effect of photoperiod (PP) and photosynthetic photon flux intensity (PPFI) on nutrients consumption, growth and lipid profile of unusual microalga *Picochlorum maculatum* (PSDK01) in shrimp culture effluent. *Indian Journal of Experimental Biology*, 57: 105-115. (I.F- 0.9).
309. Shrikanth, S.K., Sindhu, K., Sankararamasubramanian, M., **Thajuddin, N.** and Ajay, P. (2019) The role of the over expression of *Suaeda maritime* Choline Monooxygenase and Betaine Aldehyde Dehydrogenase cDNAs in the enhancement of salinity tolerance in different strains of *E. coli*. *Jordan Journal of Biological Sciences* 12(1): 99 – 106.
310. Deepa, K.P., Panneerselvam, A. and **Thajuddin N.** (2019). A study on the waning effect of oil spill isolated Microalga *Coelastrella* sp. on a synthetic dye, Eriochrome black T. *Asian Jr. of Microbiol. Biotech. Env. Sc.* 21(1): 205-214.
311. ***Thajuddin, N** and Subramanian, G. (2019). Diversity and Utilization of Marine Cyanobacteria. In: *Handbook of Algal Technologies and Phytochemicals*. (Eds.) Gokare A. Ravishankar and Rangarao Ambati. CRC Press (Taylor & Francis Group). Chapter 14: 149 – 169.
312. Borah, D., Bervin K., Subramanian, G., Arutselvan C., and **Thajuddin N.** (2019) Bioremediation and Biomass Production with the Green Microalga *Chlorococcum humicola* and Textile Mill Effluent (TE). *Proc. Natl. Acad. Sci., India, Sect. B- Biol. Sci.* 90: 415 – 423.
313. Anju Majeed, Muhammed Majeed, **Nooruddin Thajuddin**, Sivakumar Arumugam, Furqan Ali, Kirankumar Beede, Sebastian John Adams and Muthuraman Gnanamani (2019) Bioconversion of curcumin into calebin-A by the endophytic fungus *Ovatospora brasiliensis* EPE-10 MTCC 25236 associated with *Curcuma caesia*. *AMB Expr* 9:79 – 91 (IF : 4.1).
314. Anju Majeed, Muhammed Majeed, **Nooruddin Thajuddin**, Sivakumar, Arumugam, Furqan Ali and Kirankumar Beede (2019) Biotransformation of Curcumin to Calebin-A: A Pharmacologically Important Novel Curcuminoid from *Curcuma* species. *J. Pure Appl. Microbiol*, 13(2), 1159-1168.

315. Natarajan Amaresan, Velusamy Jayakumar, Krishna Kumar and **Nooruddin Thajuddin** (2019) Biocontrol and plant growth-promoting ability of plant-associated bacteria from tomato (*Lycopersicon esculentum*) under field condition. *Microbial Pathogenesis* 136: 1 – 5. (IF: 3.848)
316. Sabeeha Sultana, Gowri Srinivasa and **N. Thajuddin**. (2018) Digital Algal Cell Growth Analysis and Time Determination of *Pediastrum* sp. using Fuzzy Inference System. *International Journal of Computer Applications*, 179(29): 12 – 16.
317. Ngo-Mback, M.N.L., Famewo, E.B., Mubarak Ali, D., Eke, P., **Thajuddin, N.**, Afolayan, A. J., Jazet Dongmo, P.M., and Fekam Boyom. F. (2019). An investigation of chemical composition and antimicrobial activity of essential oils extracted from *Aeollanthus* and *Plectranthus* species. *Biocatalysis and Agricultural Biotechnology*. **22**: <https://doi.org/10.1016/j.bcab.2019.101412>.
318. Narchonai G., Arutselvan C., Lewis Oscar F. and **Thajuddin N.** (2019) Deciphering the microalgal diversity and water quality assessment of two urban temple ponds in Pondicherry, India. *Biocatalysis and Agricultural Biotechnology*. **22**: <https://doi.org/10.1016/j.bcab.2019.101427>
319. Mubarak Ali, D., Manzoor, M.A.P., Sabarinathan, A., Anchana Devi, C., Rekha, P.D., **Thajuddin, N.** and Sang-Yul Lee. (2019) An investigation of antibiofilm and cytotoxic property of MgO nanoparticles. *Biocatalysis and Agricultural Biotechnology*. **18**: 101069. <https://doi.org/10.1016/j.bcab.2019.101069>
320. *Mathews Lurth Raj D., Shakena, T., Ganesh Moorthy I., Dhana Sekaran D., Shyam Kumar R. and **Thajuddin N.** (2019) Processed lichens could be a potential functional food with special reference to traditional dishes. In: *Fermented Food Products*. (Eds.) A. Sankaranarayanan, N. Amaresan, and D. Dhana Sekaran. CRC Press, Boca Raton. Taylor and Francis publications. p 67 – 76.
321. *Mohamed Yousuff Mohamed Imran, Nazar Reehana, Gangatharan Muralitharan **Nooruddin Thajuddin** and Dharumadurai Dhana Sekaran (2019) Fermented Indigenous Indian Milk Products. In: *Fermented Food Products*. (Eds.) A. Sankaranarayanan, N. Amaresan and D. Dhanasekaran. CRC Press, Boca Raton. Taylor and Francis publications. p 269 – 286.
322. *Nazar Reehana, Mohamed Yousuff Mohamed Imran, **Nooruddin Thajuddin** and Dharumadurai Dhanasekaran (2019) Cider production techniques in North America and Europe. In: *Fermented Food Products*. (Eds.) A. Sankaranarayanan, N. Amaresan, and D. Dhanasekaran. CRC Press, Boca Raton. Taylor and Francis publications. p 329 – 340.
323. Shanmuganathan, R*, Lewis-Oscar, F*, Shanmugam, S., Thajuddin, N., Sulaiman Ali, A., Alharbi, N.S., Brindhadevi, K., and Pugazhendhi, A. (2020) Core/shell nanoparticles: Synthesis, investigation of antimicrobial potential and photocatalytic degradation of Rhodamine B. *Journal of Photochemistry & Photobiology, B: Biology*. **202**: <https://doi.org/10.1016/j.jphotobiol.2019.111729> (IF: 6.814).
324. Lavania, R., Narayanasamy, M., Kavitha, S. and **Thajuddin, N.** (2019) Glycoprotein prompted plausible Bactericidal and Antibiofilm Outturn of Extracellular Polymers from *Nostoc microscopicum*. *Applied Biochemistry and Biotechnology*. 191: 284 – 298. (IF: 3.094).
325. *325 Nithya, K., Muthukumar, C., Dhana Sekaran, D, Arunachalam C., Sulaiman, A.A., Naiyf, S. A. and **Thajuddin, N.** (2020). Desert Actinobacteria: New Promising Source for Natural Product Search and Discovery. In: *Encyclopaedia of Marine Biotechnology* (Ed.) Se-Kwon Kim. John Wiley & Sons Ltd. 2039 m- 2059 p ISBN139781119143772.
326. Thangaraj, R., Mubarak Ali, D. and **Thajuddin, N.** (2020) Antibacterial activity of biogenic silver nanoparticles synthesized using Phycobiliproteins of *Anabaena iyengarii*. *Research Journal of Biotechnology*. **15(1)**: 133 – 139
327. Anis A., Panneerselvam, A., Alaklabi, A., Arif, I.A., V. Ambikapathy, V. and **Thajuddin, N.** (2020) Molecular perspective and anticancer activity of medicinal plants. *Saudi Journal of Biological Sciences*. 27: 666-675 (IF: 4.052).

328. Nallasamy, P., Thenmozhi, R., **Thajuddin**, N., Rajasree, S., Pugazhendhi, A. and Suganthi, N. (2020) Polyherbal drug loaded starch nanoparticles as promising drug delivery system: Antimicrobial, antibiofilm and neuroprotective studies. *Process Biochemistry*.**92**: 355 – 364 (IF: **4.885**)
329. Borah, D., Rethinam, G., Subramanian, G., Rout, J., Alharbi, N.S., SulaimanAli, A. and **Thajuddin**, N. (2020) Ozone enhanced production of potentially useful exopolymers from the cyanobacterium *Nostoc muscorum*. *Polymer Testing*.84: [2020.106385](https://doi.org/10.1016/j.polymertesting).<https://doi.org/10.1016/j.polymertesting> (IF: **4.931**)
330. Narayanasamy Marappa, Lavania Ramachandran, Dhana Sekaran Dharumadurai and **Thajuddin Nooruddin** (2020) Plant Growth-Promoting Active Metabolites from *Frankia* spp. of Actinorhizal *Casuarina* spp. *Applied Biochemistry and Biotechnology* 191:74 - 91(IF: **3.094**)
331. Prabhu, R., Thenmozhi, R, **Thajuddin**, N. and Suganthi, N. (2020) *In vitro* assessment of antimicrobial, antibiofilm and larvicidal activities of bioactive nickel metal organic framework. *Journal of Drug Delivery Science and Technology*. 56: <https://doi.org/10.1016/j.jddst.2020.101560> (IF: **5.062**)
332. Deepa K.P., Panneerselvam A. and **Thajuddin N.** (2020) Biodegradation studies of a microalgae, *Coelastrella* SP. NTAPD 01 isolated from hydrocarbon spills. *Research Journal of Biotechnology*. 15(3): 114 – 119.
333. Dhanasekaran, D., Latha S., Suganya, P., Panneerselvam, A., Senthil Kumar T., N.S. Alharbi N.S., Arunachalam C., Alharbi S.A. and **Thajuddin, N.** (2020). Taxonomic identification and bioactive compounds characterization of *Psilocybe cubensis* DPT1 to probe its antibacterial and mosquito larvicidal competency. *Microbial Pathogenesis*.143: <https://doi.org/10.1016/j.micpath.2020.104138>. (IF: **3.848**)
334. Narayanasamy M., Lavania R., Dhanasekaran D., and N. **Thajuddin**. (2020). Recovery of gold and other precious metal resources from environmental polluted e-waste printed circuit board by bioleaching *Frankia*. *International Journal of Environmental Research*,**14**: 165 – 176 (IF **4.614**).
335. Narayanasamy M., Dhanasekaran D., **Thajuddin N.** and Akbarsha M.A. (2020). Morphological, Molecular characterization and Biofilm inhibition effect of endophytic *Frankia* sp. from root nodules of Actinorhizal plant *Casuarina* sp. *South African Journal of Botany*. (online) <https://doi.org/10.1016/j.sajb.2020.02.039> (IF: **3.111**)
336. Arunkumar M., Lewis-Oscar F., **Thajuddin N.**, Pugazhendhi, A. and Nithya, C. (2020) *In vitro* and *in vivo* biofilm forming *Vibrio* sp: A significant threat in aquaculture. *Process Biochemistry*. 94: 213 – 223. (IF: **4.885**).
337. *Narayanasamy, M., Dhanasekaran, D., and **Thajuddin, N.** (2020) *Frankia*. In: **Beneficial Microbes in Agro-Ecology: Bacteria and Fungi**. (Editors) Amaresan, N., Senthil Kumar, M., Annapurna, K., Krishna Kumar and A. Sankaranarayanan. Academic Press (Elsevier) Cambridge, MA, United States. Chapter 11: 185 – 211.
338. Ganesan Narchonai, Chitirai Arutselvan, Felix Lewis-Oscar and **Nooruddin Thajuddin** (2020) Enhancing starch accumulation/production in *Chlorococcum humicola* through sulphur and 2,4-D treatment for butanol production. *Biotechnology Reports*. <https://doi.org/10.1016/j.btre.2020.e00528>
339. Felix LewisOscar, Chari Nithya, Sasikumar Vismaya, Manivel Arunkumar, Arivalagan Pugazhendhi, Phuong Nguyen-Tri, Sulaiman Ali Alharbi, Naiyf S. Alharbi and **Nooruddin Thajuddin** (2021) *In vitro* analysis of green fabricated silver nanoparticles (AgNPs) against *Pseudomonas aeruginosa* PA14 biofilm formation, their application on urinary catheter. *Progress in Organic Coatings* 151: 106058. <https://doi.org/10.1016/j.porgcoat.2020.106058> (IF: **6.206**)

340. Thangaraj R., Santhoshkumar S., Suresh A. and **Thajuddin N.** (2021). Biodiversity and abundance of microalgae and cyanobacteria from freshwaters habitat of three districts of Tamil Nadu, India. *International Journal of Botany Studies*. 6(1):173 – 177.
341. Narayanasamy Marappa, Dhanasekaran Dharumadurai and **Thajuddin Nooruddin** (2021) Bioremediation of noxious metals from e-waste printed circuit boards by *Frankia*. *Microbiological Research*. 345:126707 <https://doi.org/10.1016/j.micres.2021.126707> (IF: 5.07)
342. Amaresan, N., Jayakumar, V., Kumar, K. and **Thajuddin, N.** (2021) Plant Growth-Promoting Effects of *Proteus mirabilis* isolated from Tomato (*Lycopersicon esculentum* Mill) plants. *National Academy Science Letters*. <https://doi.org/10.1007/s40009-020-01038-3> (IF: 0.649)
343. Syed Jahangir Hussain, Mohamed Murshid Nowshad, · **Nooruddin Thajuddin** · Tamil Kumar Tamilarasan and Parveez Ahamed Abdul Azees (2021). Biodegradation and characterization of *Streptomyces* sp. (JMCACA3), from Acid Corroded Iron Plate. *Current Microbiology* 78:1245–1255 (IF: 2.343)
344. Baldev, E., MubarakAli, D., Pugazhendhi, A and **Thajuddin, N.** (2021) Wastewater as an economical and eco-friendly green medium for microalgal biofuel production. *Fuel*. 294: 120484 <https://doi.org/10.1016/j.fuel.2021.120484> (IF: 8.035)
345. *Reehana, N., Imran, M.Y.M., Dhana Sekaran, D. and **Thajuddin, N.** (2021) *Role of Human Gut Microbiome in Health and Disease*. In: *Microbiome – Host Interactions*. (Editors) D. Dhana Sekaran, Dhiraj Paul, N. Amaresan, A. Sankaranarayanan and Yogesh S. Shouche. CRC Press (Taylor & Francis Group) FL, USA, Chapter 9: 101 – 111.
346. Dharitri Borah, Subramanian Gopalakrishnan and **Thajuddin Nooruddin** (2021) Carbohydrate biolubricants from Algae and Cyanobacteria. *Journal of Polymers and the Environment*. <https://doi.org/10.1007/s10924-021-02144-z> (IF: 4.705)
347. Thangam, K.R., Santhiya, A., AbinayaSri, S.R., MubarakAli, D., Karthikumar, S., ShyamKumar, R., **Thajuddin, N.**, Soosai, M. R. Varalakshmi, P., Moorthy, I. G. and Pugazhendhi, A. (2021) Bio-refinery approaches based concomitant microalgal biofuel production and wastewater treatment. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2021.147267> 0048-9697/© 2021. (IF: 10.753)
348. MubarakAli, D., Pugazhendhi, A., Jung-Wan, K., Sang-Yul, L. and **Thajuddin, N.** (2021) Biodiesel production through transesterification of *Chlorella vulgaris*: Synthesis and characterization of CaO nanocatalyst. *Fuel*. 300: 121018 (IF: 8.035)
349. Baldev, E., MubarakAli, D., Sivasubramanian, V., Pugazhendhi, A. and **Thajuddin, N.** (2021) Unveiling the Induced Lipid Production in *Chlorella vulgaris* under Pulsed Magnetic Field Treatment. *Chemosphere*. 279: 130673 (IF: 8.943)
350. Arutselvan, C., Narchonai, G., Pugazhendhi, A., Lewis-Oscar, F. and **Thajuddin, N.** (2021) Evaluation of microalgal strains and microalgal consortium for higher lipid productivity and rich fatty acid profile towards sustainable biodiesel production. *Bioresource Technology*. 339: 125524 (IF: 11.889).
351. Vijayalakshmi S., Kannan K., Panneerselvam A., Suresh M., **Thajuddin N.**, Kaushik, P., Elkodous, A.M., Nada, H.G., ·El-Bastawisy, H.S., Tolba, M.M., Noureldeen, A., Darwish H., Fayad E., Khairy W.A., Nasser H.A. and El-Sayyad G.S. (2021). Molecular identification of extended spectrum β -lactamases (ESBLs)-producing strains in clinical specimens from Tiruchirappalli, India. *Applied Nanoscience*. <https://doi.org/10.1007/s13204-021-01886-5> (IF: 3.869)
352. Anandakumar, N. and **Thajuddin, N.** (2021) Effect of Industrial effluents on *Cypridopsis* species (Ostracoda: Cyprididae) diversity in river Cauvery, Tamilnadu, India. *Ecology, Environment and Conservation*. 27: 593 – 598.

353. *Nazar Reehana, Mohamed Yousuff Mohamed Imran, **Nooruddin Thajuddin** and Dharumadurai Dhanasekaran (2021) Synbiotics in Nutrition. In: *Advances in Probiotics Microorganisms in Food and Health* (Eds.) Dharumadurai Dhanasekaran and Alwarappan Sankaranarayanan. Elsevier-Academic Press. UK. Chapter 10: 149 – 161
354. *Mohamed Yousuff Mohamed Imrana, Nazar Reehana, Gangatharan Muralitharan, **Nooruddin Thajuddin** and Dharumadurai Dhanasekaran (2021). New Formulations and Products in Prebiotic Food. In: *Advances in Probiotics Microorganisms in Food and Health* (Eds.) Dharumadurai Dhana Sekaran and Alwarappan Sankaranarayanan. Elsevier-Academic Press. UK. Chapter 26: 437 – 447.
355. Thangaraj Ramasamy and **Thajuddin Nooruddin**. (2021) Antibacterial potential of biosynthesized silver nanoparticles using phycocyanin of freshwater cyanobacterium *Oscillatoria pseudogeminata*. *Appl. Nanoscience*. <https://doi.org/10.1007/s13204-021-01973-7> (IF: 3.869).
356. Soundararajan, S., Karkuvel Raja., R, Vishnu Chitthan, S., Sanjay Prasad, S. and **Thajuddin, N.** (2021) Development of wound dressing film using methanolic extracts of freshwater microalgae and determining its wound healing ability. *Current Botany* 12: 166-173.
357. *Narayanasamy Marappa, Dhanasekaran Dharumadurai, and Thajuddin Nooruddin (2021) Isolation Frankia from actinorhizal Cassurina root nodule. In: Practical Handbook on Agricultural Microbiology. N. Amaresan, P. Patel and D. Amin (Eds.) Springer Protocols Handbook. Chapter 2, 15 – 23. https://doi.org/10.1007/978-1-0716-1724-3_2
358. Rajkumar, J., Dilipan, E., Ramachandran, M., Panneerselvam, A. and **Thajuddin, N.** (2021) Bioethanol production from seagrass waste, through fermentation process using cellulase enzyme isolated from marine actinobacteria. *Vegetos*. 34: 581–591. <https://doi.org/10.1007/s42535-021-00239-5> (IF: 0.50).
359. Dharitri Borah, Jayashree Rout and Thajuddin **Nooruddin** (2022) Distribution and diversity of algal communities in rice terrace agroecosystem of a hilly district of southern Assam, North East India. *Tropical Ecology*. 63: 75–93 (IF: 1.8)
360. *Baldev, E., Mubarak Ali, D., Sathya, R. and **Thajuddin, N.** (2022) Critical parameters affecting large-scale production of microalgal biomass in outdoor open raceway ponds. In: **Biofuels and Bioenergy - Opportunities and Challenges**. (Eds.) Gurunathan, B., Sahadevan, R. and Zakaria, Z.A. Chapter 21, pp. 480 – 495. Elsevier Inc. MA. USA. ISBN: 978-0-323-85269-2
361. Vishnu Raja V, Karthikeyan S, Maharaja S, Rajkumar J, Panneerselvam A, • **Thajuddin N** and D. Dhanasekaran, 2022. Metagenomic analysis of lichen-associated bacterial community profiling in *Roccella montagnei*. *Archives of Microbiology*, 204:54, <https://doi.org/10.1007/s00203-021-02707-7> (IF: 2.667).
362. *ShabeenaBanu, M.S., Nargis Begum, T., Vinothini, G., Dhanasekaran, D. and **Thajuddin, N.** (2021) Isolation of Epiphytic Actinobacteria from Lichens. In: **Methods in Actinobacteriology** (Ed.) Dhanasekaran Dharumadurai - Springer Protocols Handbooks, Humana Press. NY 10004, U.S.A p121 – 130.
363. *ShabeenaBanu, M. S., Nargis Begum, T., Dhanasekaran, D. and **Thajuddin, N.** (2021) Isolation of Endophytic Actinobacteria from Lichens. In: **Methods in Actinobacteriology** (Ed.) Dhanasekaran Dharumadurai - Springer Protocols Handbooks, Humana Press. NY 10004, U.S.A. p 131 – 140.
364. Narayanasamy, M., Dhanasekaran, D. and **Thajuddin, N.** (2022) *Frankia* consortium extracts high-value metals from e-waste. **Environmental Technology & Innovation**. 28: 102564 (IF: 7.758)
365. Parveez, A.A.A., Suganthi, N, Bennett, T. A., **Thajuddin, N.**, Vinay, B.R., Brindhadevi, K., Pugazhendhi, A. and Phuong, T.N. (2022). An empirical review on the risk factors, therapeutic

- strategies and materials at nanoscale for the treatment of oral malignancies. **Process Biochemistry** 118: 283–293 (IF: 4.885).
366. *Chithirai Arutselvan, Harish Kumar Seenivasan, Felix Lewis Oscar, G. Ramya, Nguyen Thuy Lan Chi, Arivalagan Pugazhendhi, **Nooruddin Thajuddin**. (2022) Review on wastewater treatment by microalgae in different cultivation systems and its importance in biodiesel production. **Fuel**. 324: 124623. <https://doi.org/10.1016/j.fuel.2022.124623>. (IF: 8.035)
367. Sathya R., MubarakAli D., Mehboob Nousheen M.G., Vasimalai N., **Thajuddin N.** and Jung-Wan Kim (2022) An Investigation of Pepsin Hydrolysate of Short Antibacterial Peptides Derived from *Limnospira* sp. **Applied Biochemistry and Biotechnology**. <https://doi.org/10.1007/s12010-022-04023-2> (IF: 3.096)
368. Chithirai Arutselvan, Ganesan Narchonai, Arivalagan Pugazhendhi, Harishkumar Seenivasan, Felix LewisOscar, **Nooruddin Thajuddin** (2022) Phycoremediation of textile and tannery industrial effluents using microalgae and their consortium for biodiesel production. **Journal of Cleaner Production**. <https://doi.org/10.1016/j.jclepro.2022.133100> (IF: 11.072)
369. Arun Elaiyaraja, Murugasamy Mayilsamy, Krishnamoorthi Vimalkumar, Nishikant Patil Nikhil, Peer Muhamed Noorani, Vijayakumar Bommuraj, **Nooruddin Thajuddin**, Martin Mkandawire, Ramaswamy Babu Rajendran (2022) Aquatic and human health risk assessment of Humanogenic Emerging Contaminants (HECs), Phthalate Esters from the Indian Rivers. **Chemosphere** 306:135624 (IF: 8.943).
370. Soundararajan S, Karkuvelraja R, Sanjay Prasad S, Vishnu Chitthan S, and **Thajuddin N**, (2022) Eukaryotic Microalgae and Cyanobacterial Diversity Analysis from Bharathidasan University Campus, Tamil Nadu, India. **Int. J. Life Sci. Pharma Res.**12(5), L165-177 <http://dx.doi.org/10.22376/ijpbs/lpr.2022.12.5.L165-177>
371. *Dharitri Borah, Jayashree Rout and Thajuddin **Nooruddin** (2022) Bioenergy from Algae -A Biorefinery Approach. In: **Trends in Environmental Biology**. Eds. Kashyap, A.K., Behar, N., Sharma, S. and Dubey, S.K. Kripa-Drishti Publications, Pune, Maharashtra. ISBN: 978-93-90847-55-6 pp.18 – 32.
372. Nivedhitha K., Selvankumar T., Karthikeyan M., Natarajan A., Abdulrahman I. A., Raju S.K., Plalanivel V., Selvaraj V., **Thajuddin N.**, Vinayagam M., Subpiramaniyam S. and Maghimaa M. (2022) Embedding green synthesized zinc oxide nanoparticles in cotton fabrics and assessment of their antibacterial wound healing and cytotoxic properties: An eco-friendly approach. **Green Processing and Synthesis** 11: 875–885. (IF: 3.97)
373. *Seenivasan H.K., Moola A.K. and **Thajuddin N.** (2022) Bioremediation of Contaminated Soil by Microalgae and Its Importance in Biofuel Production. In: **Microbial and Biotechnological Interventions in Bioremediation and Phytoremediation**. J.A.Malik (Editor) ISBN 978-3-031-08829-2 Springer Nature, Switzerland. Chapter 8: 185 – 202.
374. Nivedhitha K., Selvankumar T., Vaithilingam M., Chandrasekaran R., Selvakumar S., **Thajuddin N.** and Maghimaa M. (2022) Green Synthesis–Mediated Nanoparticles and Their Curative Character Against Post COVID-19 Skin Diseases. **Current Pharmacology Reports** <https://doi.org/10.1007/s40495-022-00303-x> (IF: 1.524)
375. *Reehana, N., Imran, M.Y.M., Thajuddin, N. and Dhanasekaran, D. (2022) Molecular symbiotic interactions of cyanobacterial association in nonvascular seedless plants. In: **Microbial Symbionts** (Eds.) D. Dhanasekaran. Chapter 16: 295 – 309 Elsevier Inc. <https://doi.org/10.1016/B978-0-323-99334-0.00047-5>
376. Mathews, L.R.D., Ganesh, M.I., Shyam Kumar, R. and **Thajuddin, N.** (2022) An endophytic *Streptomyces* sp. DARP-7 isolated from coastal lichen and enhancement of its antibacterial metabolite production using response surface methodology. **South African Journal of Botany** 151: 636 -648

377. *Thangaraj, R., Muniasamy, S., Nizhanthini, C., Dhanasekaran, D. and **Thajuddin, N.** (2022). Production, Cost Analysis, and Marketing of Biogas In: **Industrial Microbiology Based Entrepreneurship**. (Eds.) Amaresan, N., Dharumadurai, D., Cundell, D.R. vol 42. pp 225–238 Springer, Singapore. https://doi.org/10.1007/978-981-19-6664-4_15
378. Shakena-Fathima, T., Adams, S. J., Anju Majeed, Muralitharan, G. and **Thajuddin N.** (2022) Study on the bioconversion of Curcumin to Calebin A using *Spirulina subsalsa* and its taxonomic resolution using 16S rRNA analysis. **Applied Biochemistry and Biotechnology**, <https://doi.org/10.1007/s12010-022-04236-5> (IF: 2.431)
379. Thangaraj, R. and **Thajuddin, N.** (2022) Extraction and partial characterization of exopolysaccharides and pigments from cyanobacterium *Oscillatoria pseudogeminata* G.Schmid. **Indian Journal of Experimental Biology**. 60: 925-930.(IF:0.818)
380. Suresh, A., Joseph, S.J.P., Gopinath, P.M., **Thajuddin, N.** and Nagaraj, S. (2023) Diversity and ecology of freshwater diatoms as pollution indicators from the freshwater Ponds of Kanyakumari district, Tamilnadu. **Energy Nexus**. 9: 100164. <https://doi.org/10.1016/j.nexus.2022.100164>. Elsevier
381. Vijayakumar Ramasamy, Suresh S.S. Raja, Thirumurugan Durairaj, Muthukumar Chinnasamy, **Thajuddin Nooruddin** and Panneerselvam Annamalai (2023) Antimicrobial Efficiency of a Marine *Streptomyces* sp. VPTSA1-4 Isolated from Coromandel Coast of Bay of Bengal, India. **Journal of Applied Sciences**. 23: 15 – 25
382. *Thangaraj, R. Mahendran, S. Nizhanthini, C. Dhanasekaran D. and **N. Thajuddin** (2023). Small/Large-Scale Production, Cost Benefit Analysis, and Marketing of Spirulina Single Cell Protein. Chapter 7. **Food Microbiology Based Entrepreneurship** pp 115–132. (Springer) DOI: 10.1007/978-981-19-5041-4_14
383. *Reehana Nazar, Mohamed Imran Mohamed Yousuff, **Thajuddin Nooruddin** and Dhanasekaran Dharumadurai (2023). Small-scale Production and Business Plan for Phycocyanin from Cyanobacteria. Chapter 14, **Food Microbiology Based Entrepreneurship** pp. 253–277 (Springer) DOI: 10.1007/978-981-19-5041-4_14
384. Lavania R, Narayanasamy M. and **Thajuddin N.** (2023) Anatomizing extracellular polymer of *Calothrix desertica* with its anti-oxidation and anti-nutrient profiling. **Plant Science Today** (Early Access). <https://doi.org/10.14719/pst.2615>
385. Deepa K.P, **Thajuddin N.** (2023) Biofilm inhibitory potential of *Oscillatoria tenuis* against *Candida albicans*. **Plant Science Today**: ISSN 2348-1900 (online) <https://doi.org/10.14719/pst.2434>
386. Monalisa Das, Megha Pundeer, Priyanka Nayak, Sanjib Patra and **Nooruddin Thajuddin** (2023) Yogic diet on gut microbial diversity in asthma. **Yoga Mīmāṃsā** 55:58-66.
387. Shakena Fathima T., Fayaazuddin T., Dhanveer Ahamed B., Prakash P., Akilan E., Asraf Sithikka M.R., Muralitharan G. and **Thajuddin N.** (2023). Suitability of Phycocyanin gene Sequences for the Identification of Cyanobacterial taxa belonging to Oscillatoriales. **Biological Forum – An International Journal**, 15(6): 491-498.
388. *Dharitri Borah, Jayashree Rout and **Thajuddin Nooruddin** (2023) Application of Nanotechnology in Bioenergy Production from Algae and Cyanobacteria In: **Modern Nanotechnology** Volume 2: Green Synthesis, Sustainable energy and Impacts (Eds.) Malik, J.A., Sadiq Mohamed, M.J. pp. 267–291 Springer, ISBN 978-3-031-31103-1; https://doi.org/10.1007/978-3-031-31104-8_12

389. Vishwapriya Saravanan, MubarakAli Davoodbasha, Arjun Rajesh, **Thajuddin Nooruddin**, Sang-Yul Lee and Jung-Wan Kim (2023) Extraction and characterization of Chitosan from Shell of *Borassus flabellifer* and their antibacterial and antioxidant applications. **International Journal of Biological Macromolecules**. 253: 126592. <https://doi.org/10.1016/j.ijbiomac.2023.126592> (IF: 8.2)
390. Monalisa D, **Thajuddin N**, Sanjib P, Pravat NS. (2023) Yoga and Ayurveda Module on Idiopathic Thrombocytopenic Purpura (ITP) - **Clinical Case Reports International**. 7: 1599.
391. Das M, **Thajuddin N**, Pundir M, Patra S. (2023) Traditional Fermented Food of India: - Sources of Probiotic Bacteria may maintain Diversity of Gut Microbiota and Manage - The Symptoms of Asthma. **Natl J Community Med**. 14(11):774-780. DOI: 10.55489/njcm.141120233195
392. *Dharitri Borah, Jayashree Rout, **Thajuddin Nooruddin** (2023) Phycoremediation and water reuse in bioenergy production from algae and cyanobacteria in relevance to sustainable development goals (Chapter 16) In: **Water, the Environment and the Sustainable Development Goals**. (Eds.) Mohammad Hadi Dehghani, Inderjeet Tyagi, Rama Rao Karri, Miklas Scholz, 375-406pp. ISBN 978-0-443-15354-9 Elsevier Inc. <https://doi.org/10.1016/B978-0-443-15354-9.00003-7>
393. Noorani, K.R. P.M., Flora, G, Surendarnath, S., Stephy, G. M., Amesho, K.T.T., Chinglenthoba, C. and **Thajuddin, N.** (2024). Recent advances in remediation strategies for mitigating the impacts of emerging pollutants in water and ensuring environmental sustainability. **Journal of Environmental Management**. 351: 119674
394. *Thangaraj, R., Pitchai, M.A.M., and **Thajuddin, N.** (2023) Identification of toxic blooms of cyanobacteria in Mangrove forest. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin**. (Eds.) N. Thajuddin, A. Sankaranarayanan and D. Dhanasekaran. Chapter 6. Springer Nature ISBN 978 981 99 4513 9 Chapter 6, Pages 47 – 52.
395. *Chitthan, V., Banu, N., **Thajuddin, N.**, and Dhanasekaran,D. (2023) Sampling and identification of toxic cyanobacteria in te Landfill Leachate. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin** (Eds.) N. Thajuddin, A. Sankaranarayanan and D. Dhanasekaran. Chapter7. Springer Nature ISBN 978 981 99 4513 9 Chapter 7, Pages 53 – 60.
396. *Thangaraj, R., Ramnath, S.T. and **Thajuddin, N.** (2023) Isolation of Toxin producing cyanobacteria fro aquatic samples with *Anabaena*. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin**. (Eds.) N. Thajuddin, A. Sankaranarayanan and D. Dhanasekaran. Chapter 9. Springer Nature ISBN 978 981 99 4513 9 Chapter 9, Pages 71 – 76.
397. *ShakenaFathima, T., Fayaazuddin, T., **Thajuddin, N.**, and Dhanasekaran, D. (2023) Confocal Lacer Scanning Microscope (CLSM) identification of toxic cyanobacteria from Algal Bloom. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin**. (Eds.) N. Thajuddin, A. Sankaranarayanan and D. Dhanasekaran. Springer Nature ISBN 978 981 99 4513 9 Chapter 20, Pages 141 – 148.
398. *Thangaraj, R., Nishanthini, C., Ashok, M., Ponmanickam, P. and **Thajuddin, N.** (2023) Determiation of cyanotoxin patterns in strains and species of cyanobacteria. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin**. (Eds.) N. Thajuddin, A. Sankaranarayanan and D. Dhanasekaran. Springer Nature ISBN 978 981 99 4513 9 Chapter 21, Pages 149 – 154.
399. *Thangaraj, R., Nivetha, M., Naveena, K. and **Thajuddin, N.** (2023) Chemical and toxicological studies of the toxic freshwater cyanobacterium *Anabaena flos-aquae*. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin**. (Eds.) N. Thajuddin, A.

Sankaranarayanan and D. Dhanasekaran. Chapter 23. Springer Nature ISBN 978 981 99 4513 9 Chapter 6, Pages 47 – 52.

400. *Reehana, N., Imran, M.Y.M., MahroopRaja, M.I.M., **Thajuddin, N.**, and Dhanasekaran, D. (2023) NRPS and PKS gene analysis in cyanobacteria using PCR. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin**. (Eds.) N. Thajuddin, A. Sankaranarayanan and D. Dhanasekaran. Chapter 52. Springer Nature ISBN 978 981 99 4513 9 Chapter 52, Pages 381 – 386.
401. *Fayaazuddin, T., Sithikka, A.R., **Thajuddin, N.**, and Dhanasekaran,D. (2023) Isolation of Microcystin, Nodularin synthetase gene clusters in toxic cyanobacteria using antiSMASH Pipeline. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin** (Eds.) N. Thajuddin, A. Sankaranarayanan and D. Dhanasekaran. Chapter 53. Springer Nature ISBN 978 981 99 4513 9 Chapter 53, Pages 387 – 395.
402. *Fayaazuddin, T., Noorani, P.M., Upaasna, S. and **Thajuddin, N.** (2023) CRISPR gene findind in the genome of *Oscillatoria* and *Lyngbya* sp. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin** (Eds.) N. Thajuddin, A. Sankaranarayanan and D. Dhanasekaran. Chapter 66. Springer Nature ISBN 978 981 99 4513 9 Chapter 66, Pages 497 – 501.
403. Shakena Fathima T., Asraf Sithikka M. R., Fayaazuddin T., Dhanasekaran D., Muralitharan G. and **Thajuddin N.** (2024) Validation of 16S rRNA Sequences as a Tool for Taxonomy of Cyanobacteria with Reference to *Nostoc* and *Oscillatoria*. **Research Journal of Agricultural Sciences**, 15(01): 38–44.
404. Monalisa Das, **Nooruddin Thajuddin**, Sanjib Patra, and Megha Pundir (2023) Mind-body techniques on Stress-induced Gut Microbiota dysbiosis in Asthmatics: -A narrative review. **Brain Behavior and Immunity Integrative**.5: 100040. <https://doi.org/10.1016/j.bbii.2023.100040>.
- 405* Dharitri Borah, Jayashree Rout and **Thajuddin Nooruddin** (2024) Traditional Knowledge-Based Sustainable Agriculture in the Eastern Himalayas in India. In: **Addressing the Climate Crisis in the Indian Himalayas**, A. Borthakur and P. Singh (eds.), https://doi.org/10.1007/978-3-031-50097-8_4. pp 95 – 125.
406. Narayanasamy M, Lavania R, Kavinkumar K, Dhanasekaran D. and **N. Thajuddin** (2024) Illumina Miseq NGS sequencing of bacterial communities V3/V4 gene amplicons in *Casuarina* root nodules. **South African Journal of Botany** 167: 355 – 366.
- 407* . Dharitri Borah, Baldev Edachery, Jayashree Rout, and **Thajuddin Nooruddin** (2024) Production and Characterization of Bio-alcohols from Agricultural Wastes In: **Emerging Trends and Techniques in Biofuel Production from Agricultural Waste** (Ed.) Pardeep Singh. ISBN 978-981-99-8243-1 ISBN 978-981-99-8244-8 (eBook) pp147 – 174. <https://doi.org/10.1007/978-981-99-8244-8>.
408. MubarakAli Davoodbasha, Naveenkumar Kathiravan, Akash Jayakannan, Sathya Raghunathan, Jung-Wan Kim and **Thajuddin Nooruddin** (2024) An Evidence of Carbonic Anhydrase Activity in Native Microalgae for CO₂ Capture Application. **Applied Biochemistry and Biotechnology**. <https://doi.org/10.1007/s12010-024-04908-4> (IF: 3.0)
409. Ramasamy Vijayakumar, Suresh S.S. Raja, Chinnasamy Muthukumar, Ponmurugan Karuppia, Annamalai Panneerselvam, Jothi Ramalingam Rajabatha, **Nooruddin Thajuddin** and Ramamoorthy Ayyamperumal (2024) Production, optimization, and characterization of partially purified anti - mycotic compound from marine soil streptomycetes, unexplored region of Bay of Bengal, India. **Environmental Research**. 251(2): 118698 <https://doi.org/10.1016/j.envres.2024.118698> (IF: 8.431)

410. Sathya Raghunathan, Sangeetha Kandasamy, Agieshkumar Balakrishna Pillai, Daisy Precilla Senthilathiban, **Nooruddin Thajuddin**, Majid Rasool Kamli, Jamal S.M. Sabir, Sang-Yul Lee, Jung-Wan Kim, MubarakAli Davoodbasha (2024) Synthesis of biocomposites from microalgal peptide incorporated polycaprolactone/ κ - carrageenan nanofibers and their antibacterial and wound healing property. **International Journal of Pharmaceutics**, 655, 124052, <https://doi.org/10.1016/j.ijpharm.2024.124052>.
411. Monalisa Das, **Nooruddin Thajuddin**, Sanjib Patra and Megha Pundir (2024) Ancient Indian Diet – A Balanced Diet for the Healthy Diversity of Gut Microbiota and Management of Asthma. **Current Research in Nutrition and Food Science**. 12(1): 349-373 (**IF.0.8**)
- 412* Mubarak Ali, D., Sathya, R., Saurabh, Y., Hemalatha, S. and **Thajuddin, N.** (2022) Current Strategies of Stress Tolerance in Microalgae and Plants: OMICS Approach. In: **Algal Biotechnology: Current Trends, Challenges and Future Prospects**. Vol-1 (Eds.) Nivedita Sahu and Sundergopal Sridhar. Chapter 14. Taylor and Francis group, CRC Press. ISBN No.: 9781032112770 (in Press)
- 413* Shafreen, R.B., Lakshmi, S.A., **Thajuddin, N.**, Pandian, S.K. (2022) Microalgae-based Nanoparticles and Bio-composites for Biomedical Applications. In: **Algal Biotechnology: Current Trends, Challenges and Future Prospects**. Vol-1 (Eds.) Nivedita Sahu and Sundergopal Sridhar. Chapter 17. Taylor and Francis group, CRC Press. ISBN No.: 9781032112770 (In Press).
414. Rajesh, A., Lone, S. A., Ramasubburayan, R., Sikkanther, S., **Thajuddin, N.**, Lee, S.Y., Jung-Wan Kim, J.W. and MubarakAli, D. (2023). A systemic review on *Aloe vera* derived natural biomaterials for wound healing: Preparation and application. **Biocatalysis and Agricultural Biotechnology**. DOI: 10.1016/j.bcab.2023.102910
- 415*. Peer Muhamed Noorani, K., Shakena Fathima, T., Asraf Sithikka, M. R., Dhanveer Ahamed, B. and **Thajuddin, N.** (2024) Utilization of Algal Biomass for the Food Industries (Chapter – 7) In: **Algal Biomass Technology and Research - Sustainable Solutions in Diverse Industries Volume 1: Algal Biomass for Food, Agriculture, and Pharmaceutical Applications**. (Eds.) Dipankar Ghosh and Onkar Nath Tiwari. Apple Academic Press, Inc. Florida USA. ISBN: 9781774918982.

Total Impact Factor: 500.77 (As on September 2023)

***Book Chapters (62)**

(ii) . Research Collaborations:

Research collaborations - 72 joint publications with 56 Universities / Research Institutes of 22 countries.

No.	Name of the University/institute	Country	Type of Collaborations
1	<ul style="list-style-type: none"> • Rensselaer Polytechnic Institute Troy, New York • Fisk University, Nashville, Tennessee • University of Alabama • Sabinsa Corporation, New Jersey • Brown University Warren Alpert Medical School, RI 	USA	Post-Doctoral Research & Joint publication

	<ul style="list-style-type: none"> • Albany College of Pharmacy and Health Sciences, Albany, New York. • New York University, Grossman School of Medicine, New York. 		
2	<ul style="list-style-type: none"> • Swansea University, Swansea, Wales • Plymouth Marine Laboratory, Plymouth 	United Kingdom	Indo-UK Project (DBT, Govt. of India)
3	<ul style="list-style-type: none"> • National University Singapore • Nanyang Technological University 	Singapore	Joint publications
4	<ul style="list-style-type: none"> • King Saud University • Majmaah University • Taif University 	Saudi Arabia	Joint publications
5	<ul style="list-style-type: none"> • Wolaita Sodo University • Jimma University • Haramaya University 	Ethiopia	Joint publications
6	<ul style="list-style-type: none"> • 7th of October University • Misurata University 	Libya	Joint publications
7	<ul style="list-style-type: none"> • University of Hong Kong 	Hong Kong	Research Collaboration
8	<ul style="list-style-type: none"> • Incheon National University • Korea Aerospace University • Korea Institute of Energy Research • Hanyang University • Kyung Hee University • Dong-A University • Daegu University • Dongguk University 	Republic of Korea	MoU & Joint publications
9	<ul style="list-style-type: none"> • Ton Duc Thang University • Duy Tan University • Van Lang University 	Vietnam	Joint publications
10	<ul style="list-style-type: none"> • University of Malaya 	Malaysia	Joint publications
11	<ul style="list-style-type: none"> • Shanghai Jiao Tong University • Shantou University 	PR China	Joint publications
12	<ul style="list-style-type: none"> • Prince of Songkla University • Maejo University 	Thailand	Joint publications
13	<ul style="list-style-type: none"> • K.U. Leuven Laboratory of Molecular Cell Biology 	Belgium	Joint publications
14	<ul style="list-style-type: none"> • Max Planck Institute for Molecular Biology 	Germany	Joint publications

15	<ul style="list-style-type: none"> • National Institute for Materials Science, Tsukuba • Toyohashi University of Technology, Toyohashi, Aichi • Kobe University, Research Centre for Inland Seas, Kobe. 	Japan	Joint publications
16	<ul style="list-style-type: none"> • Contec Global Agro Limited, Abuja 	Nigeria	Joint publications
17	<ul style="list-style-type: none"> • University of Yaoundé I, Yaoundé • University of Douala, Douala 	Cameroon	Joint publications
18	<ul style="list-style-type: none"> • University of Fort Hare, Alice. 	South Africa	Joint publications
19	<ul style="list-style-type: none"> • University of Quebec, Quebec • Cape Breton University, Department of Chemistry, Nova Scotia. 	Canada	Joint publication
20	<ul style="list-style-type: none"> • Nile University, Giza • Egyptian Atomic Energy Authority (EAEA), Cairo • Ministry of Health and Population, Faiyum • Cairo University, Cairo • Helipolis University for Sustainable Development, Cairo • Military Technical College (MTC), Egyptian Armed Forces, Cairo 	Egypt	Joint publication
21	<ul style="list-style-type: none"> • Asia University, Taichung. • National Sun Yat-Sen University 	Taiwan	Joint publication
22	<ul style="list-style-type: none"> • The International University of Management • Destinies Biomass Energy and Farming Pty Ltd 	Namibia	Joint publication

13. Books Published

1. முனைவர் நூ. தாஜுத்தீன் (2013) 'நுண்ணுயிரியலும் நோய்தடுப்பாற்றலியலும்' என்ற முதுநிலை பட்ட வகுப்பிற்கான இந்நூல் தமிழில் எழுதப்பட்டு தமிழ்நாடு மாநில உயர்கல்வி மன்றத்தினரால் (**TANSCHÉ**, Chennai – 600 005) வெளியிடப்பட்டுள்ளது (464 பக்கங்கள்).
1. **N. Thajuddin** (2013) **Microbiology & Immunology** book in Tamil (Post Graduate level); Publisher: Tamilnadu State Council for Higher Education (**TANSCHÉ**), Chennai – 600 005. (464 pages).
2. **Fungicides: Beneficial and Harmful aspects** (2011) ISBN: 978-953-308-508-1 - **N. Thajuddin** (Editor) - **INTECH** Open Access Publisher. www.intechweb.org, 51000 Rijeka, Croatia. 266 pages.

3. **Fungicides for Plant and Animal Diseases**, (2012) ISBN 978-953-307-804-5 D. Dhanasekaran., **N. Thajuddin** and A. Panneerselvam (Editors) –**INTECH** Open Access Publisher. www.intechweb.org, 51000 Rijeka, Croatia.298 pages.
4. **Antimicrobials: Synthetic and Natural Compounds (2015)** ISBN No: 9781498715621-CAT# K25354- Dhanasekaran. D., **Thajuddin, N.** and Panneerselvam, A. (Editors.), **CRC press**, Tailor & Francis Group, Boca Raton, FL, USA, 520 pages.
5. **Biological Techniques: A Laboratory Manual** (2016) ISBN No.978-93-80622-41-5 **N. Thajuddin**, T. Senthil Kumar and D. Dhanasekaran. Yazhini Publications, Cuddalore 199 pages.
6. **Algae – Organisms for Imminent Biotechnology** (2016) ISBN No. 978-953-51-2432-0, Print ISBN No. 978-953-51-2431-3 **N. Thajuddin** & D. Dhanasekaran. (Editors) **INTECH** Open Access Publisher.www.intechweb.org, 51000 Rijeka, Croatia. Pages 340.
7. **Microbial Biofilms – Importance and Applications** (2016) ISBN 978-953-51-2436-8, Print ISBN 978-953-51-2435-1. D. Dhanasekaran and **N. Thajuddin** (Editors) **INTECH** Open Access Publisher. www.intechweb.org, 51000 Rijeka, Croatia. Pages 522.
8. **Laboratory Methods in Biology** (2018) ISBN No.978-93-87360-13-6. **N. Thajuddin**, D. Dhanasekaran, G. Muralitharan and T. Senthil Kumar. Jayam Publications, Tiruchirappalli – 620 023. 240 pages.
9. **Phytonanotechnology: Challenges and Prospects** (2020) ISBN No. 9780128223482. Editors: **N. Thajuddin** and Silvy Mathew, Publisher: **Elsevier**, Cambridge, MA 02139, USA. 354 pages.
10. **Molecular Techniques in Taxonomy to Biotechnology of Actinobacteria and Cyanobacteria – A Laboratory Manual** (2022) ISBN No. 978-93-91563-56-1. G. Muralitharan, D. Dhanasekaran and **N. Thajuddin**. Jayam Publications, Tiruchirappalli – 620023. 236 pages.
11. **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin. (2023)** ISBN-13:9789819945139. Editors: **N. Thajuddin**, A. Sankaranarayanan and D. Dhanasekaran. Publisher: **Springer Nature**, Singapore: 508 Pages.

Conference Proceedings

1. Proceedings of National symposium on **Recent Trends in Biological Research**. (Eds.). A. Panneerselvam **N. Thajuddin**. A.V.V.M. Sri Pushpam College, Poondi – 613 503. 188pp (2004).

LAB MANUALS:

No	Title	Publisher	Year
1	Manual of Techniques in Cyanobacterial Research	NFMC (as Co-author)	1992
2	Methods in Cyanobacterial Research	NFMC (as Co-author)	1999
3	Laboratory Manual on Microbial Technology	N. Thajuddin	2004
4	Microbiological Techniques – a laboratory manual	N. Thajuddin & Joseph Selvin	2008
5	சிப்பிக் காளான் வளர்ப்பு தொழில்நுட்பவியல் Manual on “Oyster Mushroom Cultivation Technology” (in Tamil)	முனைவர் நா. தாஜுத்தீன் ரு முனைவர் த. தனசேகரன் N.Thajuddin & D. Dhanasekaran	2010

14. Patents filed / Granted:

No	Name of Product / Technology	Reference No.	Significance of the product	Author(s) responsible
1	Techno-economic drying of microalgae by Frame Ooze Out Technique (FOOT) . (Indian Patent)	Application No: 201641042909 A Patent published on 30.12.2016.	Inexpensive microalgal biomass drying technology from 35,000 litre capacity Raceway Pond	Dr. N. Thajuddin Dr. D. MubarakAli Mr. E. Baldev Mr. C. Arutselvan
2	Treading Homogenous Gas Phase Active Species for the Preparation Cyanobacterial Axenic Culture, A Jet (THAJ) method (Indian Patent)	Application No. 201741043178 A Publication Date : 26/01/2018	An inexpensive process of developing axenic culture of unicellular cyanobacterium <i>Synechococcus elongatus</i> by treating ozone (O ₃).	Dr. D. MubarakAli Dr. N. Thajuddin (Head) Mr. E. Baldev
3	Microbial Bioconversion of Curcumin to Calebin – A (MBCC) (Indian Patent)	201841006854 A Filed on : February 23, 2018 Published on: March 01, 2019.	A Method for the Microbial Bioconversion of Curcuminoids to Calebin-A using Microorganisms for large Scale production.	Dr. M. Majeed, Mrs Anju Majeed, Dr. N. Thajuddin, et al
4	Antimicrobial activity of Bioactive Compounds and their Derivatives (ABCD) . (US Patent)	Appl.No. US 15/990972 Filed date: 29 May 2018. Published Date: 5 th December 2019	Antimicrobial effects of bioactive compounds from <i>Curcuma species</i> (Curcuminoids, Calebin A and their derivatives) against <i>EAEC</i> , <i>ETEC</i> and <i>Pleisiomonas sp.</i>	Mrs Anju Majeed, Dr. M. Majeed, Dr. K. Nagabhushanam, Dr. N. Thajuddin <i>et al.</i>
5	A Process and System for Wastewater Treatment and Sludge Minimization (WTSM) (Indian Patent)	Application No. 202141019297 A Filed date: 27th April 2021. Published date: 7th May 2021	The present invention relates to the field of wastewater treatments, more particularly to a system for sludge minimization to provide 100% reuse of treated water into toilet flushing, gardening, agricultural purposes and ground recharge	Sheik Syed Ishack, K.A., Panneerselvam, A., Ambikapathy, V., Thajuddin, N., et al.
6	A system for producing Anti-parasitic Compounds and Derivatives from Marine Hypotrichous Ciliates (ACDC) (Indian Patent)	Application No. 202241045547 A Filed date 9 th August 2022 Publication Date : 19 th August 2022	The present invention relates to a system for producing anti-parasitic compounds (Sesquiterpenoids) and derivatives from Marine Hypotrichous Ciliates	Dr. N. Anandakumar and Dr. N. Thajuddin

Patent Granted				
1	Microbial Bioconversion of Curcuminoids to Calebin-A (MBCC). (US Patent)	Patent No. 11,299,706 B2 Date of Patent granted : April 12, 2022	A Method for the Microbial Bioconversion of Curcuminoids to Calebin-A using Microorganisms for large Scale production	Dr. M. Majeed, Mrs Anju Majeed, Dr. N. Thajuddin, <i>et al.</i>

14 a: Technologies / products Transferred

Name of Technology/products	Revenue Generated / Benefits Accrued	Year
Phycocyanin pigment (blue colourant) from Marine cyanobacteria Research Team: Professor G. Subramanian (Head), Dr. L. Uma, Dr. N. Thajuddin et.al.	Initial part of Rs 1 Lakh Received from ABL Biotechnologies, Chennai	2001

15. International Collaborations under Memorandum of Understanding (MoU)

S. No	Name of Collaborator	Name of Institutions / Universities involved	Date, Month & Year
1	Dr. Jee-Eun Huh	CEO Beautyline Co. Ltd, Incheon, Republic of Korea	30 th June 2015
2	Prof. Taejun Han	CEO, Institute of Green Environment Research Incheon National University Incheon, Republic of Korea	30 th June 2015
3	Prof. Jung-Wan Kim	Professor & Head Division of Bioengineering Incheon National University Incheon, Republic of Korea	30 th June 2015
4	Prof. Sang-Yul Lee	Director Center for Surface Technology and Application Korea Aerospace University Republic of Korea	2 nd July 2015
5	Prof. Jie Chen	Shanghai Jiao Tong University Shanghai, P.R. China	2 nd December, 2016
6	Dr. G. Agoramoorthy	Distinguished Research Professor College of Pharmacy and Health Care Tajen University, Taiwan	23 rd June 2018

16. Industrial Consultancy Assignment Undertaken

S. No.	Client/Organization Name	Nature of Assignment	Duration	Value (in Rs.)
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1	Dr. V. Sivasubramanian , Director, Phycospectrum Consultant Private Limited, Anna Nagar Chennai - 600 040	Honorary Consultant Incorporation of Pulsed Magnetic Field for Higher Lipid production by Microalgae in large scale	2016 - 2020	-
2	Dr. Muhammed Majeed Founder & Managing Director Sami Labs Limited, Peenya Industrial Area, Bangaluru - 560058	Honorary Consultant Extraction of Calebin-A from Turmeric. Filed two International Patents	2016 – 2021	-
3.	Mr. C. Nagesh Prabhu Co-Founder & Director, Zigma Global Environ Solutions Pvt. Ltd 24, Kalaimagal Kalvi Nilayam Road, Erode 638012.	Principal Investigator Bioremediation of Municipal Solid Waste Leachate using microalgae MoU signed on 29.1.2022	2022	7,24,500/-
4.	Mr. RA. Kamaraj Managing Director Kwalitee Algae Farms 138/B7B, Thalapatti Village Manmangalam Taluk Karur District – 639 003	Principal Investigator Waste water treatment utilizing Microalgae MoU Signed on 6.10.2022	2022	4,48,500/-

17. Research Supervision:

	Guided	Guiding
P.G.	140	-
M.Phil	31	-
Ph.D.	26* + 10**	6*
Post-Doctoral Level	15	-

*as direct guide **as co-guide

18. Ph.D. Degree Awarded:

No.	Name	Ph.D Thesis title	Year of completion
1	Dr. A. Nagasathya	Microbial biodiversity of salt pans of Tamilnadu and Biotechnological potential of the cyanobacteria.	September, 2005
2	Dr. R. Shyam Kumar	Diversity and characterization of cyanobionts in the lichens of Yercaud and Kolli Hills.	July, 2007
3	Dr. V. Thiyagarajan	Biodiversity and Seasonal distribution of cyanobacteria from Kolli Hills, Tamil Nadu, India.	December, 2007

4	Dr. G. Muralitharan	Morphological, Biochemical and Molecular Characterization of Marine Cyanobacteria.	May, 2008
5	Dr. I. Anandavalli	Studies on biodiversity, molecular characterization and applications of marine cyanobacteria and plankton of the Gulf of Mannar, Tamil Nadu, India.	April, 2009
6	Dr. H. Syed Jahangir	Isolation, characterization and Biotechnological potentials of Actinobacteria from Kolli Hills, Tamil Nādu, India.	August,2009
7	Dr. R. Nazeerullah	Biodiversity, Biochemical and Molecular Characterization of Bacteria from Subsurface Environment.	March, 2011
8	Dr. K. Moorthy	Prevalence of Hepatitis B Viral infection among lower social-economic groups.	May, 2011
9	Dr. M. Satheesh Kumar	Biotechnological Potentials of Indigenous Cyanobacteria in Agriculture and Bioremediation.	January 2012
10	Dr. N. Amaresan	Exploitation of Endophytic Bacteria for the Management of Diseases of Tomato (<i>Lycopersicon esculentum</i>) and Chilli (<i>Capsicum annum</i>).	January 2012
11	Dr. Mohd. Rasheeduddin	Prevalence & Characterization of Bacterial & Fungal agents causing lower respiratory tract infections in patients with HIV infection.	May, 2012
12	Dr. S. Rajalaksmi	Exploration and exploitation of <i>Rhizobium</i> spp associated with wild legumes found in extreme habitat of Bay Islands to enhance crop productivity.	September, 2012
13	Dr. D. Mubarak Ali	Survey, Molecular Systematics and nonbiotechnological potentials of marine cyanobacteria.	October, 2012
14	Dr. V. Thennarasu	Biodiversity, antibacterial efficacy and molecular characterization of mycoflora from Andaman Islands, India.	February, 2013
15	Dr. R. Praveen Kumar	Biodiversity, molecular taxonomy and techno-economical evaluation of microalgae for biodiesel production.	September, 2013
16	Dr. N. Anandakumar	Diversity and biotechnological applications of microzooplankton from Gulf of Mannar, India.	December, 2014
17.	Dr. A. Ilavarasi	Microalgal diversity and production of β -Carotene from Chlorophycean microalga, <i>Coelastrella</i> sp. NTA115.	January, 2015
18	Dr. D. Vijayan	Diversity and molecular characterization of Cyanobacterial group I self-splicing introns.	August, 2015
19	Dr. A. Parveez Ahamed	Screening and characterization of bioactive metabolites with anti-ESBL, antioxidant and anticancer properties from <i>Oscillatoria acuminata</i> NTAPC05	August, 2015.

20	Dr. N. Reehana	Purification, Characterization and Applications of Cyanobacterial Phycocyanin Pigment.	August, 2015.
21	Dr. E. Baldev	Microalgal Biomass and Biodiesel Production using Raceway Pond System	February, 2018
22	Dr. F. Lewis Oscar	Antibiofilm potentials of <i>Spirulina platensis</i> against <i>Pseudomonas aeruginosa</i>	November, 2018
23	Dr. Anju Majeed	Microbial Production of Calebin A from <i>Curcuma sp.</i> and its biological applications	December, 2019
24	Dr. R. Thangaraj	Biodiversity of Freshwater Cyanobacteria and Microalgae, Media Optimization and Pharmacological Exploration of Cyanobacterial Phycocyanin	August, 2021
25	Dr. G. Narchonai	Isolation, Identification and Evaluation of Microalgae from Freshwater Temple Ponds of Puducherry for Bio- Butanol Production	June, 2022
26	Dr. C. Arutselvan	Screening and Characterization of Betel field Microalgae for Biodiesel Production	April, 2023
As Co-Guide			
1	Dr. M. Vijay Antony	Enhanced cellulase production by solid state fermentation and its application in biostoning and bioconversion processes.	May, 2005
2	Dr. S. Mohan	Studies on fungal phytase and its effect on bioavailability of phosphorous and calcium in broiler chicken	October, 2005
3	Dr. S. S. Sudha	Studies on Microalgae and Fungi of Muthupet Mangrove Environs of Tamil Nadu, India	February, 2006
4	Dr. D. Dhanasekaran	Biochemical, Molecular Characterization and Antimicrobial Compounds of <i>Streptomyces</i> spp. from Cuddalore District, Tamil Nadu, India	June, 2006
5	Dr. C. Karthikeyan	Studies on saline tolerant strains of Arbuscular Mycorrhizal Fungi from the west coast of Kerala, India	January, 2007
6	Dr. R. Vijayakumar	Studies on actinomycetes from Palk Strait region of Tamil Nadu Coast with reference to antibiotic production	July, 2007
7	Dr. K. Jeyachitra	Biodiversity, characterization and applications of freshwater cyanobacteria	July, 2007
8	Dr. R. Senthilkumar	Studies on saprophytic survival and suppression of <i>Pestalotia psidii</i> causing fruit canker in Guava (<i>Psidium guajava</i>)	February, 2007

9	Dr. S. Ganesh Manikandan	Microbiological and Biotechnological studies on methicillin resistant <i>Staphylococcus aureus</i> isolate from Tamil Nadu, India	December, 2007
10	Dr. C. Anchana Devi	Molecular diagnosis, characterization and antimicrobial studies of <i>Mycobacterium tuberculosis</i> and associated microbial pathogens in female infertility cases.	November, 2011

19. Ph.D. Guiding

No.	Name	Ph.D Thesis title	Year of Registration
1	Mr. S. Soundararajan	Microalgal Biodiversity and their applications.	2012
2	Ms. R. Lavanya	Biotechnological applications of cyanobacterial exopolysaccharides.	2015
3	Ms. Monalisa Das	Effect of Indian system of Medicine on human microbiota in Hypersensitivity - I reactions in Asthmatics	2017
4	Mr. Peer Mohamad Noorani	Bioremediation on emerging pollutants	2018
5	Mr. S. Vishnu Chitthan	Identification of bioactive peptides from microalgae and study their pharmacological applications	2021
6	Mrs. B. Nisha Banu	Polyphasic Taxonomy of Cyanobacteria - Chroococcales	2021

20. Post Doctoral Guidance

1. **Dr. N. Kumaraguru** - DST Fast Track (Young Scientist) fellowship (April 2008 – March 2011)
2. **Dr. Segal Kiran** - DST Fast Track (Young Scientist) Fellowship (April 2010 – December 2012).
3. **Dr. C. Nithya** - UGC – Dr. D.S. Kothari Fellowship (2011 – 2013).
4. **Dr. Beema Shafreen** - UGC – Dr. D.S. Kothari Fellowship (August 2014 – February 2015).
5. **Dr. D. Bakkiyaraj**- Indo-UK Project, DBT, Govt. of India – (2014 - 2015).
6. **Dr.A. Hemalatha** – UGC – Post-doctoral Fellowship to Women Candidate (2015 – 2016)
7. **Dr. K. Manivannan** - UGC – Dr. D.S. Kothari Fellowship (2013 - 2016).
8. **Dr. Dharitri Borah** - DBT-Research Associateship in Biotechnology & Life Sciences – (2014 - 2016).
9. **Dr. S. Sumathi** - UGC – Dr. D.S. Kothari Fellowship (2013 - 2016).
10. **Dr. A. Parveez Ahamed** – Indo-UK Project, DBT, Govt. of India. (2015 – 2016).
11. **Dr. D. Mubarak Ali** – Research Associate, National Repository for Microalgae & Cyanobacteria - Freshwater, DBT, Govt. of India (2015 – 2018)
12. **Dr. R. Thenmozhi**–SERB - Young Scientist Fellowship (2015 – 2018).

13. **Dr. R. Vijayakumar** – SERB - National Post-Doctoral Fellowship - (2017 – 2019).
14. **Dr. A. Suresh** – UGC –Post-Doctoral Fellowship for SC/ST Candidates (2016 – 2020).
15. **Dr. M. Mohamed Imran** - Research Associate, National Repository for Microalgae & Cyanobacteria - Freshwater, DBT, Govt. of India (2021 – 2023)

21. **M.Phil. Guided:**

1. **S. Senthil Rani** Reg. No. 02CD 0239 (2004). Biotoxification of Phenolic Pesticides by Laccase enzyme from *Pleurotus* spp. (Oyster mushroom). (CDE, BDU, M.Phil., Biotechnology)
2. **S. Kavitha**, Reg. No. A 3591133 (2004). Biodiversity of Microalgae from terrestrial Environment (DDCE, Manonmanian Sundaranar University, M.Phil., Life Sciences)
3. **K.Ashwini** Reg. No. 04CD 15627 (2005). Phylogenetic Analysis of Cyanobacterial 16S rRNA Sequences using Bioinformatic Tools (CDE, BDU, M.Phil., Microbiology)
4. **R. Shoba** Reg. No. 04CD 15729 (2005). Biodegradation of oil sludge waste by using Fungi (CDE, BDU, M.Phil., Microbiology)
5. **K. Mohamed Jinna**, Reg. No. 05CD – 18361 (2006). Bioinformatic Analysis of Inclusion Bodies – A Comparative Study. (CDE, BDU, M.Phil., Biotechnology)
6. **Ms. I. Anandavalli** – Reg. No. 06CD- 30772 (2007) Survey of epilithic cyanobacteria from the temples of Tamilnadu, India (CDE, BDU, M.Phil., Microbiology)
7. **Mr. Ravikumar** –Reg. No. 06CD-30819 (2007) Effect of different stress temperatures on inducing lactic acid production in *Lactobacillus* sp. (CDE, BDU, M.Phil., Microbiology)
8. **Ms. V. R. Stellamary** – Reg. No. 06CD- 30835 (2008) Biodiversity of Cyanobacteria from fresh water ponds of Tiruchirappalli (CDE, BDU, M.Phil., Microbiology)
9. **Mr C. Kalanithi** – Reg. No. 07MBP0106 (2008) Characterization and optimization of alkaline protease production from marine *Bacillus* sp. NTMBS1 isolated from east coast of Tamilnadu. (Dept. of Microbiology, BDU)
10. **Ms. S. Malathi** – Reg. No. 07MBP0107 (2008) Studies on the diversity, characterization and biotechnological potential of marine fungi. (Dept. of Microbiology, BDU).
11. **Ms. S. Suganya** - Reg. No. 07MBP0114 (2008) Characterization and optimization of acid phosphatase from indigenous marine *Bacillus* spp. (Dept. of Microbiology, BDU).
12. **Ms. A. Anandhi** – Reg. No. 08MB0201 (2009) Partial characterization of different strains of *Frankia* isolated from *Casuarina* root nodules with special reference to cadmium biosorption. (Dept. of Microbiology, BDU).
13. **Ms. A. Ilavarasi** – Reg. No. 08MBP0205 (2009) Partial Characterization and applications of freshwater microalgae. (Dept. of Microbiology, BDU).
14. **Ms. C. Divya** – Reg. No. 08MBP0204 (2009) Biosynthesis and characterization of Silicon – Germanium nanocomposite by fresh water Diatoms. (Dept. of Microbiology, BDU).
15. **Ms. G. Mahalakshmi** - Reg. No. 09MBP0311 (2010) Partial Characterization of Microalgal Associative Bacteria. (Dept. of Microbiology, BDU).
16. **Ms. T. Mari Nivetha** – Reg. No. 09MBP0312 (2010) Biotechnological Utilization of diatoms with special reference to biofuel production. (Dept. of Microbiology, BDU).
17. **Ms. T. Senbagavalli** – Reg. No. 09MBP0318 (2010) Biotechnological utilization of green microalga *Scenedesmus bijugatus* var *bicellularis* with special reference to biofuel production. (Dept. of Microbiology, BDU).
18. **Ms. K. Shameera** – Reg. No. 09PMB0317 (2010) Characterization of *Chlorella* sp. (Chlorophyta) with a view to exploit for biodiesel production. (Dept. of Microbiology, BDU).

19. **Ms. K. Johny**, Reg. No. 10MBP0406 (2011) Monitoring and evaluation of mono & mixed cultures of microalgae for their usefulness as feedstock for biodiesel production.(Dept. of Microbiology, BDU).
20. **Ms. K. Karthigadevi**, Reg. No. 10MBP0409 (2011) Production of butanol from pre-treated marine *Chlorella* sp. by using *Saccharomyces cerevisiae*.(Dept. of Microbiology, BDU).
21. **Ms. K. Rajeshwari**, Reg. No. 10MBP0415 (2011) Effect of organophosphorus pesticide on antioxidant response, photosynthetic pigment and fatty acid profile in freshwater cyanobacteria. (Dept. of Microbiology, BDU).
22. **Ms. N. Reehana**, Reg. No. 10MBP0417 (2011) Sequence based structural and phylogenetic analysis of C- Phycocyanin gene from cyanobacteria. (Dept. of Microbiology, BDU).
23. **Ms. V. Naveena** Reg. No. 11MBP0502 (2012) Biodiversity, isolation and characterization of pesticide (Monocrotophos) degrading microalgae isolated from paddy field, Tiruchirappalli. (Dept. of Microbiology, BDU).
24. **Ms. J. Renuka**, Reg. No. 11MBP0507 (2012) Biodiversity and oil degrading efficiency of microalgae isolated from Railway Loco Shed, Tiruchirappalli Zone, India(Dept. of Microbiology, BDU).
25. **Ms. K. Prabha**, Reg. No. 11MBP0503 (2012) Exploration of microalgal populations for their efficiency as a feedstock for Biobutanol production. (Dept. of Microbiology, BDU).
26. **Ms. K. Rajeshwari**, Reg. No. 11MBP0504 (2012) Strain selection, medium optimization and open pond semi-continuous cultivation of microalgae for Biodiesel production. (Dept. of Microbiology, BDU).
27. **Ms. S. Sivasankara Narayani**, Reg. No. 12MBP606 (2013) Optimization and Characterization of Scytonemin produced by cyanobacteria. (Dept. of Microbiology, BDU).
28. **Ms. M. Dhivya**, Reg. No. 13MBP701 (2014) Utilization of Microalgae for simultaneous nutrient removal and lipid production for biofuel feedstock. (Dept. of Microbiology, BDU)
29. **Ms. M. Kanimozhi**, Reg. No. 13MBP703 (2014) Exploration of Diatoms as a feedstock for Lipid Production. (Dept. of Microbiology, BDU).
30. **Ms. E. K. Aswini Priya**, Reg. No. 14MBP801 (2015) Anti-Biofilm activity of synthetic CeO₂ Nanoparticle against ESBL producing bacteria. (Dept. of Microbiology, BDU).
31. **Ms. S. Seema**, Reg. No. 14MBP810 (2015) Anti-Biofilm activity of silver nanoparticle synthesized by *Nitzschia palea* (Diatom) against ESBL producing bacteria. (Dept. of Microbiology, BDU).

22. M.Sc. Projects Guided

No	Name	Institute	Year	Research Topic
1.	A. Abdul Ahamed	Dept. of Microbiology Bharathidasan University, Tiruchirappalli	1995	Siderophore Production by the Marine Cyanobacterium <i>Oscillatoria salina</i> BDU 91511
2.	M. Geetha	University of Pune Pune	1997	PCR based detection of Introns in Marine Cyanobacteria
3.	S. Krishnan	University of Madras Chennai.	1998	Isolation & Amplification of 16S rRNA genes from Marine Cyanobacteria

4.	D. Aravinth Prasanth	Dept. of Microbiology Bharathidasan University, Tiruchirappalli	1998	Molecular Characterization of 4 different strains of <i>Anabaena</i> based on 16S rRNA isolated from <i>Azolla pinnata</i>
5.	M. Veeramuthu	Dept. of Microbiology Bharathidasan University, Tiruchirappalli	1999	PCR Amplification, Cloning & Transformation of 16SrRNA genes from 4 filamentous marine cyanobacteria
6.	S.D. Jamdade	University of Pune PUNE	2000	Siderophores from different strains of marine cyanobacteria <i>Oscillatoria salina</i>
7.	P. Ruba	Dept. of Microbiology Sri Saratha College of Arts & Science, Karur	2002	Biodiversity of Cyanobacteria from two different textile effluents
8.	S. Shyamala Devi	Dept. of Microbiology Dhanalakshmi Srinivasan College, Perambalur.	2003	Biodiversity of cyanobacteria from different freshwater bodies of Tiruchirappalli
9.	K. Ashwini	Dept. of Microbiology Bharathidasan University, Tiruchirappalli	2004	PCR based detection of Introns in marine unicellular cyanobacteria
10.	S. Sangeetha Priya	Smt. Indira Gandhi College, Tiruchirappalli	2004	An attempt on the development of natural culture media for the growth & partial characterization of marine cyanobacteria
11.	K. A. Parameshwari	Smt. Indira Gandhi College, Tiruchirappalli	2004	Screening of siderophores from marine cyanobacteria
12.	S. Thiyagarajan	Dept. of Microbiology Bharathidasan University, Tiruchirappalli	2005	Phylogeny of marine cyanobacteria (Oscillatoriaceae) using RAPD fingerprinting
13.	R. Anjugavairam	Dhanalakshmi Sreenivasan College, Permabalur	2005	Molecular fingerprinting of marine <i>Synechococcus</i> strains by Short Tandemly Repeated Repetitive (STRR) sequences and Repetitive Element PCR.
14.	M. Satheesh Kumar	Dept. of Ecobiotechnology Bharathidasan University, Tiruchirappalli	2005	Biodegradation of Hydrocarbons by Hypersaline Cyanobacterium

				<i>Phormidium tenue</i> KMD 33
15.	G. Sathyaprabha	Dept. of Microbiology A.V.V.M. Sri Pushpam College, Poondi, Thanjavur – 613 503	2006	Molecular Characterization of Marine <i>Phormidium valderianum</i> strains using RAPD-PCR
16.	J. Kalaivani	Dept. of Microbiology A.V.V.M. Sri Pushpam College Poondi – 613 503, Thanjavur	2006	Molecular Characterization of Marine Unicellular Cyanobacteria by Randomly Amplified Polymorphic DNA (RAPD) PCR
17.	M. Sundaramoorthy	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2006	Morphological, Molecular and Phylogenetic Characterization of Symbiotic Cyanobacteria from different Cycads
18.	D. Mubarak ali.	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2008	Biosynthesis and characterization of silver nanoparticles using marine cyanobacteria
19.	M. Sasikala	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2008	Biosynthesis and characterization of zinc oxide nanoparticles from cyanobacteria
20.	M. Sundaravadivel.	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2008	Screening for the potentials of <i>Chroococcus turgidus</i> , a fresh water cyanobacterium.
21.	A. Parvez Ahamed	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2010	Molecular Characterization of marine and freshwater Microalgae.
22.	K. Johney	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2010	Isolation and Biochemical characterization of Microalgal lipids
23.	K. Rajeshwari	School of Life Science Bharathidasan University Tiruchirappalli	2010	Removal of Cr (VI) and Pb (II) using Immobilized and Free cells of Marine <i>Oscillatoria</i> sp. NTMS01 and <i>Phormidium</i> sp. NTMS02
24.	N. Reehana	Department of Microbiology Jamal Mohamed College Tiruchirappalli – 620 020	2010	Partial Characterization of Phycocyanin gene from cyanobacteria – <i>Oscillatoria salina</i>

				NTDM51 and <i>Oscillatoria chlorina</i> NTDM56.
25.	M. Leo Antony	Post M.Sc. advanced Diploma in Molecular Diagnostics Dept. of Biotechnology Bharathidasan University, Tiruchirappalli	2010	PCR based analysis of indoor air fungal contaminants using transcribed spacer sequence variability.
2/26.	K. Kannan	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2011	Molecular characterization of Symbiotic and Epiphytic Cyanobacteria from <i>Azolla</i> .
27.	R. Santhosh	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2011	Screening of antibacterial compounds from <i>Trichoderma viride</i> NTDNF01
28.	K. Sharmila Banu	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2011	Isolation and Biotechnological applications of Freshwater cyanobacteria from Myanmar.
29.	R. Jayamitra	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2011	Antibacterial activity of Microbes isolated from Marine Gastropod.
30.	S. Hajira Fathima	Department of Microbiology Jamal Mohamed College Tiruchirappalli – 620 020	2012	Effect of dried chicken waste on growth and partial characterization of fresh water microalga, <i>Botryococcus</i> sp., NTAI06
31.	J. Rosy Preethi	Department of Microbiology Jamal Mohamed College Tiruchirappalli – 620 020	2012	Structural Analysis of c-Phycocyanin gene from cyanobacterium <i>Oscillatoria nigroviridis</i> NTRI01
32.	B. Kanimozhi	Department of Microbiology Jamal Mohamed College Tiruchirappalli – 620 020	2012	Evaluation of different pre-treatment methods for efficient degradation of lignocelluloses from coir waste
33.	P. Banumathi	Department of Microbiology Jamal Mohamed College Tiruchirappalli – 620 020	2012	Biodiversity of freshwater microalgae and Bioremediation of textile dye effluents using <i>Coelastrrella</i> sp. NTER01
34.	Lewis Oscar, F	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2012	Growth and nutrient removal from urban waste water by microalgae: An

				attempt to raise biomass for bioethanol production.
35.	E. Baldev	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2012	Ecofriendly bioremediation and nanobiotechnological applications of molecularly characterized fresh water microalga <i>Coelastrella</i> sp. NTEB01.
36.	M. Sivaranjani	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2012	Evaluation of chemical induced carotenogenesis in <i>Tetrademus</i> sp. NTAI04
37.	S.A. Mohamed Shahin	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2012	Phenotypic detection of metallo β – lactamase producers including multidrug resistant bacteria from burned patients and its antimicrobial activity from soil actinomycetes.
38.	R. Priyanka	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2013	<i>In vitro</i> anti biofilm activity of copper nanoparticles against bacterial and fungal biofilm.
39.	K. Nithya	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2013	Antibiofilm activity of <i>Spirulina</i> extract against gram positive and gram negative bacterial and fungal pathogens.
40.	R. Chinnaraju	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2013	Exploration of CO ₂ sequestration potential of microalgae for biofuel production.
41.	A. Julie	VI year integrated Master of Technology in Biotechnology, School of Biotechnology Bharathidasan University Tiruchirappalli	2013	Biochemical and Molecular characterization of selected Cyanobacteria.
42.	A. Anbuthangam	VI year integrated Master of Technology in Biotechnology, School of Biotechnology Bharathidasan University Tiruchirappalli	2013	Molecular and phylogenetic characterization of c-phycoyanin gene from the selected cyanobacterial cultures.
43.	M. Parveen Banu	Dept. of Biotechnology Jamal Mohamed College Tiruchirappalli – 620 020	2014	Molecular characterization of selected fresh water cyanobacterial strains

				using randomly amplified polymorphic DNA (RAPD) - PCR
44.	S. Masira Fathima	Dept. of Biotechnology Jamal Mohamed College Tiruchirappalli-620 020	2014	Evaluation of antioxidant assay with biochemical and molecular characterization of <i>Oscillatoria tenuis</i> NTRI20.
45.	N. Malarvizhi	VI year integrated M.Sc. Life Sciences Bharathidasan University Tiruchirappalli	2014	Enhancing the nodal regeneration of <i>Eclipta alba</i> (L) using extracellular products of <i>Oscillatoria earlei</i> NTSS17.
46.	M. Lavania Ramachandran	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2014	Extraction and optimization of exopolysaccharide (EPS) from cyanobacteria with special reference to their biotechnological applications.
47.	S. Poornima	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2014	Extraction and characterization of Scytonemin from selected cyanobacteria.
48.	M.P. Kartheeswari	Dept. of Microbiology Bharathidasan University Tiruchirappalli	2014	Development of organic culture medium and downstream processing technology for microalga <i>Coelestrella</i> sp. NTAI15.
49.	M. Parveen Banu	Dept. of Biotechnology Jamal Mohamed College Tiruchirappalli-620 020	2014	Molecular characterization of selected freshwater cyanobacterial strains using Randomly Amplified Polymorphic DNA (RAPD)-PCR.
50.	M. Pushpa	Department of Microbiology Periyar University Salem – 636 011	2014	Biochemical and Molecular characterization of <i>Oscillatoria calcuttensis</i> NTRI19
51.	G. Subramani	Department of Microbiology Periyar University Salem – 636 011	2014	Molecular characterization and <i>in silico</i> analysis of 16S rRNA gene from selected cyanobacterial cultures.
52.	R. Kavitha	Department of Microbiology	2014	Screening for the antipathogenic potential

		AVS College of Arts & Science. Salem-636106		of <i>Chroococcus</i> sp. against <i>Pseudomonas aeruginosa</i>
53.	S. Kanaga	Department of Microbiology, AVS College of Arts & Science, Salem-636106	2014	Antibiofilm activity of <i>Chlamydomonas</i> sp. against <i>Pseudomonas aeruginosa</i>
54.	M. Prabakaran	Dept. of Microbiology Bharathidasan University Tiruchirappalli - 620 024	2015	Exploring the antipathogenic potentials of <i>Oscillatoria acuta</i> (Q110) against <i>Pseudomonas aeruginosa</i> (PA14)
55.	M. Ayyappan	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2015	Integrated approach for liquid waste utilization and Algal biomass production.
56.	R. Saranya	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2015	Characterization of Microalgal water soluble pigments, their antipathogenic effects and toxicity assessment using <i>Artemia</i> as a model system.
57	K. Boopathi	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2016	Biobutanol production from marine microalga <i>Chlorella marina</i> by anaerobic fermentation.
58	S. Kumaravel	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2016	Development of microbial fuel cell (MFC) and production of Bioelectricity from freshwater microalgae
59	K. A. Jayaraj	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2016	Phyco-bacterial consortia for microalgal biomass production utilizing industrial effluents.
60	R. Gayathri	V year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan University Tiruchirappalli – 620 024	2016	Optimization, characterization and production of biomass and released exopolysaccharide from fresh water cyanobacteria isolated from Assam, North – East India.
61	S. Emitta	Pavendar Bharathidasan College of Engineering and Technology Tiruchirappalli – 620 024	2016	Development of Microalgae and cyanobacteria consortium for bioremediation of textile industry effluents

62	J. Shajidha Banu	V year Integrated M.Sc. Biomedical Science School of Biomedical Sciences Bharathidasan University Tiruchirappalli – 620 024	2016	Screening and production of carbonic anhydrase from freshwater microalgae efficient CO ₂ capture
63	N. Vimala	Thassim Beevi Abdul Kader College for Women Kilakarai Ramanathapuram – 623 517	2016	Biochemical composition and chemotaxonomy of cyanobacteria isolated from Assam, North –East India.
64	S. Priyanga	Thassim Beevi Abdul Kader College for Women Kilakarai Ramanathapuram – 623 517	2016	PCR finger printing (RAPD.M13, STRR) of <i>Nostoc commune</i> strains and their 16S rDNA gene identification: a taxonomic study.
65	V. Sangeetha	Anna University BIT Campus Tiruchirappalli – 620 024	2016	Synthesis and anti-MRSA activity of novel series of 4-Amino/ Dimethyl Amino 4-Morpholino 1,6 Dibromohexyl Phridinium Bromide.
66	S. Elavarasi	Department of Microbiology Selvam Arts & Science College, Namakkal	2017	Studies on plant growth promotion and partial characterization of two heterocystous cyanobacteria for improving food grains.
67	A. Rohini	Department of Microbiology Selvam Arts & Science College, Namakkal	2017	Microalgal biodiversity from Panjapur, Tiruchirappalli, Tamilnadu.
68	S. Lakshmi	Department of Microbiology Selvam Arts & Science College, Namakkal	2017	Isolation and partial characterization of bacteria isolated from marine soil.
69	G. Vinitha	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2017	Synthesis and characterization of nanocatalyst for transesterification process in biodiesel production using microalgae.
70	N. Sangeetha	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2017	Study of biomass production, stress induced enhancement of extracellular polysaccharides and development of biolubricant from

				cyanobacteria isolated from Assam, north-east India
71	N. Madhavi	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2017	Molecular typing of MRSA isolated from nasal swabs
72	M. Venkatesh	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2017	Plasma (Gas Phase) mediated preparation of axenic culture of cyanobacterium <i>Synechococcus elongates</i>
73	V. Revathi	Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024	2017	Assessment of H ₂ O ₂ producing microalgae for treatment of textile dye effluent
74	K. Bervin	Dept. of Microbiology Bharathidasan University Tiruchirappalli - 620 024	2018	Phycoremediation of textile effluent by microalgae <i>Chlorococcum humicola</i>
75	V. Bhuvaneswaran	Dept. Microbiology, Bharathidasan University Tiruchirappalli – 620 024	2018	Effects of NiO and Ag doped NiO nanoparticles against biofilm forming methicillin resistant <i>Staphylococcus aureus</i> (MRSA) strains
76	A. Sabarinathan	Dept. Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2018	An investigation on the activity of MgO nanoparticles against cancer cells and urolithiasis causing bacteria
77	Sivasankari S	Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2018	Increasing of cell growth and lipid production of fresh water microalgae <i>Chlorella vulgaris</i> by enriched methods for biodiesel production
78	Selva Kumar V	Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2018	An investigation of anti-algal compounds from <i>Peltophorum pterocarpum</i> Heyne for the maintenance of drinking water system: green chemistry approach
79	Padma Priya S	Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2018	Synthesis and characterization of MgO nanoparticles used as catalyst for biodiesel production

80	Aakila Banu S	P.G. and Research Dept. of Biotechnology, Jamal Mohamed College, Tiruchirappalli – 620 020.	2018	Characterization of exopolysaccharides, proteins and pigments from <i>Nostoc muscorum</i> and <i>Gloeotrichia</i> sp.
80	Girija N	P.G. and Research Dept. of Biotechnology Jamal Mohamed College, Tiruchirappalli – 620 020.	2018	Characterization of exopolysaccharides , Proteins and pigments from <i>Phormidium tenue</i> and <i>Nostoc microscopicum</i>
81	Saranya U	P.G. and Research Dept. of Biotechnology, Jamal Mohamed College, Tiruchirappalli – 620 020.	2018	Characterization of exopolysaccharides, proteins and pigments from <i>Cyanothece</i> sp. and <i>Calothrix desertica</i>
82	Manjula S	P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 20.	2019	Interference of Curcumin activity on <i>Spirulina platensis</i> and <i>Chroococcus</i> sp.
83	Martin Rich M	P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 20.	2019	Extraction of bioactive compounds from actinomycetes associated with lichen <i>Dirinaria applanata</i>
84	Sarveen Banu Z	P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 020.	2019	Synthesis of silver nanoparticles from different cyanobacterial strains
85	Jafrin J	P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 020.	2019	Development of <i>Chlorococcum</i> sp. axenic culture using gas plasma
86	Rishivandhini A	P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 020.	2019	Microalgae isolation and toxicity of plasticizer dibutyl phthalate on <i>Chlorococcum</i> sp.
87	Priyadharshini, M	Dept. of Microbiology, Karpagam Academy of Higher Education, Coimbatore - 641021	2019	Seed germination and antimicrobial activity of biosynthesized AuNPs using cyanobacteria
88	V. Arunothaya	Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2019	Studies on anaerobic Co-digestion of cow dung and algae for enhance biogas production and its sludge used as bio fertilizer for seed germination
89	G. Ghadhija Begam	Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2019	Effects of Anti-Microbial peptides against potential biofilm forming

				methicillin resistant <i>Staphylococcus aureus</i> (MRSA) isolates
90	M. S. Kavitha	Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2019	Bio-separation of extracellular polymeric substances from <i>Nostoc Microscopicum</i> and a random scan of its bioactivity
91	M. Sobanaa	Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2019	Biodegradation of phthalate & phenol compounds using freshwater microalgae.
92	S. Hariharan	Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	2020	Freshwater microalgal consortium: a cost-effective technology for the bioremediation of textile effluent
93	Jincy Kaippachery	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2020	Degradation of hospital released emerging pollutant using phycoremediation process
94	S. Vishnu Chitthan	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2020	Phycobiliprotein extraction from cyanobacteria and its applications
95	M. Durga	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024		Extraction of Bioactive compounds from Actinomycetes associated with Lichen
96	K. Gowsalya	Department of Microbiology Cauvery College for Women, Tiruchirappalli	2020	Nutrient limitation as a strategy for increasing starch amass in fresh water microalgae
97	Z.H. Ishrath Fathima	P.G. and Research Dept. of Microbiology Jamal Mohamed College Tiruchirappalli – 620020.	2020	Phycoremediation of textile and tannery effluents using microalgae and its biofuel production
98	H. Azeema Begam	P.G. and Research Dept. of Microbiology Jamal Mohamed College, Tiruchirappalli – 620 20.	2020	A study of Extended Spectrum β -Lactamase (ESBL) producing bacteria from clinical isolates
99	R. Rajeswari	Dept. of Biotechnology Kamaraj College of Engineering & Technology K. Vellakulam Madurai District (Anna University)	2020	Phycoremediation of tannery effluent using cyanobacteria and its impact on seed germination of <i>Trigonella foenum-graecum</i>

100	S. Almass	PG & Research Dept. of Microbiology, Jamal Mohamed College (Autonomous) Tiruchirappalli – 620 020	2021	Anti-dermatophytic activity of Lichen associated Actionobacteria isolated from Yercaud Hills, Tamil Nadu, India
101	M. Preethi	PG & Research Dept. of Microbiology, Jamal Mohamed College (Autonomous) Tiruchirappalli – 620 020	2021	Biodegradation of Triclosan by using Fresh water Microalgae
102	P. Subhashini	PG & Research Dept. of Microbiology, Jamal Mohamed College (Autonomous) Tiruchirappalli – 620 020	2021	Bioprospecting and pigment extraction of Lichen associated Actinobacteria and screening of their antibacterial activity against multi drug resistant bacterial pathogens
103	H. Salma	PG & Research Dept. of Microbiology, Jamal Mohamed College (Autonomous) Tiruchirappalli – 620 020	2021	Biodegradation of Octylphenol by using Fresh water Microalgae
105	G. Sana Begam	PG & Research Dept. of Microbiology, Jamal Mohamed College (Autonomous) Tiruchirappalli – 620 020	2021	Anti- bacterial activity of Lichen associated Actinobacteria collected from Kolli Hills, Tamil Nadu against multi drug resistant bacterial pathogens
106	S. Vengadesh	5-year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan University Tiruchirappalli 620 024	2021	Bioremediation of heavy metals using microalgae for Biodiesel Production
107	S. Harish Kumar	5-year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan University Tiruchirappalli 620 024	2021	Removal of pollutants from textile mill effluent using microalgae-bacteria consortium for biofuel production
108	S. Adhvaija	5-year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan University Tiruchirappalli 620 024	2021	Taxonomic marker development for cyanobacteria
109	M. Vijay Kumar	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2021	Synthetic dye degradation using microalgae and estimation of microalgal compositional assay

110	M. Priyadarshini	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2021	Phycoremediation of waste water using microalgae
111	R. Sageetha	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2021	Evaluation of antimicrobial and anticancer activity of silver nanoparticles synthesized from cyanobacterial phycocyanin
112	S. Rubini	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2021	Taxonomic marker development for cyanobacteria
113	V. Shalini	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2021	Chitosan mediated synthesis of silver nanoparticles for antibacterial, anticancer activities and its flocculation potentials of microalgal biomass.
114	Ms. A. Kifaya Parveen	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Exploration of cyanobacterial species for exopolysaccharide production and its applications
115	Ms. S. Rizwana Begum	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Study of Peptide activity from <i>Spirulina</i> sp against non Dermatophytic fungi: <i>Fusarium lichenicola</i>
116	Ms. K. Annalakshmi	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Extraction of violacein pigment from bacteria and study on its potential applications
117	Ms. B. Fathima Fahmidha	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Effect of light intensities on growth and lipid accumulation in <i>Scenedesmus dimorphus</i> using photobioreactor”
118	Ms. A. Priyadharshini	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Evaluation of microalgal strains and their consortium for higher lipid productivity in photobioreactor
119	Ms. M. Thakira Banu	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Screening and growth media optimization of microalgae for lipid enhancement
120	Ms. A. Almas Banu	Dept. of Microbiology, Jamal Mohamed College	2022	Diversity of cyanobacteria in temple pond and their

		(Autonomous), Tiruchirappalli – 620 020		bioactive compound extraction studies
121	Ms. P. Kashmeera	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Isolation and identification of antioxidant peptide obtained from two unicellular green algae
122	Ms. R. Prisika	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Antibiofilm effect of <i>Chlorococcum</i> sp. extract on six different bacterial pathogens
123	Ms. M. Sangeetha Priya	Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020	2022	Biodegradation of Dimethyl phthalate by fresh water microalga <i>Chlorococcum</i> sp.
124	Ms. M. Swathi	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2022	Microalgal synthesis of Nanoparticles application in textile dye degradation
125	Ms. S. Dhanasree	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2022	Beta- lanine as a colouring agent for preparation of yoghurt
126	Ms. K. Bhuvaneshwari	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2022	Development of Microalgal consortia for improving the lipid content under outdoor condition
127	Ms. P. Abirami	Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024	2022	Phycoremediation of Triclosan using two green algal species
128	Mr. S. Rajkumar	5-year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan Univesity Tiruchirappalli 620 024	2022	Biodiversity, Isolation and Purification of Microalgae and Cyanobacteria from different agricultural fields and screening of <i>Chlorella</i> isolates for lipid content
129	Ms. G. Sindhuja	5-year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan University Tiruchirappalli 620 024	2022	Green Synthesis of Silver and Zinc Nanoparticles from <i>Oscillatoria</i> sp.
130	Ms. S. Sangeetha Kalaimani	5-year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan University Tiruchirappalli 620 024	2022	Bioremediation of Waste using Microalgae
131	Ms. R. Marriyam Priyanka	5-year Integrated M.Sc. Life Sciences	2022	Extraction of Phycobiliproteins from

		School of Life Sciences Bharathidasan University Tiruchirappalli 620 024		Cyanobacteria and its Potential Applications
132	Ms. R. Ananthi	Dept. of Microbiology, Bharathidasan University Tiruchirappalli - 620 024	2023	Enhancing pigment production in the cyanobacterial consortium in response to various light sources
133	Mr. N. Ashokumar	Dept. of Microbiology, Bharathidasan University Tiruchirappalli - 620 024	2023	Development of a Cost Effective Real – Time PCR Kit for the detection of <i>Mycobacterium tuberculosis</i> complex and MDR – TB by targeting the gene IS6110, IS1081, rpoB, inhA, katG
134	Ms. K. Kousalya	Dept. of Microbiology, Bharathidasan University Tiruchirappalli - 620 024	2023	Bioremediation of Industrial Effluent Using Microalgae and Cyanobacteria
135	Ms. M. Menaka	Dept. of Microbiology, Bharathidasan University Tiruchirappalli - 620 024	2023	Enhancement of Biodiesel Production in Microalgal Consortia
136	Ms. M. Vijayanandhini	Dept. of Microbiology, Bharathidasan University Tiruchirappalli - 620 024	2023	Identification of bioactive metabolites from Cyanobacteria
137	Ms. R. Abarna	Dept. Microbiology Cauvery College for Women (Autonomous) Tiruchirappalli – 620 018	2023	Biodegradation of endocrine disruptor triclosan using Freshwater Green alga <i>Chlorella</i> sp.
138	Ms. S. Nazeera Begum	Dept. Microbiology Cauvery College for Women (Autonomous) Tiruchirappalli – 620 018	2023	Antibacterial and antibiofilm activity of Methanolic and aqueous <i>Chlorella</i> sp. extracts against pathogenic microorganisms
139	Ms. N. Sangeetha	Dept. Microbiology Cauvery College for Women (Autonomous) Tiruchirappalli – 620 018	2023	Antibacterial and antioxidant potential of green synthesized silver nanoparticles using <i>Oscillatoria</i> sp. extract
140	Ms. N. Thashmina	Dept. Microbiology Cauvery College for Women (Autonomous) Tiruchirappalli – 620 018	2023	Biofilm inhibitory and antibacterial potential of <i>Oscillatoria</i> sp. extract against pathogenic microorganism
141	Ms. D. Kohila	5-year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan University	2023	Bioremediation of Alkaline Effluent using Microalgal Consortia

		Tiruchirappalli 620 024		
142	Mr. E. Akilan	5-year Integrated M.Sc. Life Sciences School of Life Sciences Bharathidasan University Tiruchirappalli 620 024	2023	Bioremediation of Acidic Effluent using Microalgal Consortia

23. Tamilnadu State Council for Science & Technology (Dept. of Science & Technology) (TNSCST) Grants for Student Research Projects

No.	Name of the student	Project title & Duration	Funds
1	Santhosh. R	Screening of anti-dermatomycotic compounds from <i>Trichoderma viride</i> (August 2010- March 2011)	Rs. 6,000/-
2	Jayamithra. R	Antibiotics from marine invertebrates (August 2010-March 2011)	Rs. 6,000/-
3	Baldev. E	Eco-friendly decolorization of textile and laboratory dyes and optimization studies by fresh water microalgae. (August 2011-March 2012) (Won First place for the Best Presentation from TNSCST)	Rs. 6,000/-
4	Chinnaraju. R	Biobutanol production with microalgae (August 2012-March 2013)	Rs. 10,000/-
5	Priyanka. R	<i>In vitro</i> and <i>in vivo</i> antibiofilm activity of copper nanoparticles against aquaculture pathogens. (August 2012-March 2013)	Rs. 10,000/-
6	N. Sangeetha	Study of biomass production, stress induced enhancement of extracellular polysaccharides and development of biolubricant from cyanobacteria isolated from Assam, North-East India. (August 2016 – March 2017)	Rs. 10,000/-
7	M. Venkatesh	Study on the effective inhibition of nosocomial pathogens using gas-phase plasma (quantum) (August 2016 – March 2017)	Rs. 10,000/-
8	S. Padma Priya	Synthesis of MgO nanoparticles as catalyst for transesterification of algal oil to biodiesel: An eco-friendly approach (August 2017 – March 2018)	Rs. 10,000/-
9	K. Rajesh	Bacteriophages as a potent tool to combat the <i>Vibrio</i> spp. biofilms in aquaculture industries (2020).	Rs. 7,500/-
10	S. Dhanasree	Betalanin as a colouring agent for preparation of yoghurt (2021 – 2022)	Rs. 7,500/-
11	M. Swathi	Microalgal synthesis of nanoparticles application in textile dye degradation (2021 - 2022)	Rs. 7,500/-

24. Papers presented and attended in Conferences/ Seminars/Symposia :

(*52 Papers have received Best Paper Awards / Cash Prize)

INTERNATIONAL LEVEL :

- 1) **Second Asia - Pacific Conference on Algal Biotechnology.** National University of Singapore, Singapore. April, 25 – 27, 1994
 1. Subramanian, G., Uma, L., Prabakaran, D., Sundararaman, M. and Thajuddin, N. (1994) Biotechnological potential of the marine cyanobacterium *Phormidium valderianum*.
- 2). **Micon International Conference** - Association of Microbiologists of India, Mysore. November 9 – 12, 1994
 2. Thajuddin, N. and Subramanian, G. (1994) Seasonal variation of marine planktonic cyanobacteria in Mandapam - Kurusadai island region.
- 3). **International Symposium on Cyanobacterial Biotechnology.** Bharathidasan University, Tirchirappalli. September, 18-21, 1996.
 3. Thajuddin, N., Sundararaman, M., Sekar, S., Malliga, P. and Subramanian, G. (1996) Marine Cyanobacterial flora of south and middle Andaman Islands.
- 4). **4thAsia-Pacific Conference on Algal Biotechnology**, University of Honk Kong, Honk Kong, July 3 – 6, 2000.
 4. Thajuddin, N^{*}, Subramanian, G. and Nagarkar, S. (2000) Marine Cyanobacterial Biodiversity from Andaman Islands, India.
- 5). **Asia-Pacific Conference on Marine Science & Technology** - Marine Science into the new Millennium: New Perspectives and Challenges. Kula Lumpur, Malaysia. May, 12 – 16, 2000
 5. Nagasathya A. and Thajuddin N. (2000) Biodiversity of cyanobacteria from hyper saline environment of Tamil Nadu, India.
- 6). **International Symposium on fresh water aqua culture–potentials and prospects**, A.V.V.M. Sri Pushpam College, Poondi, Thanjavur District November 12-13, 2003.
 6. Thajuddin, N.^{*} (2003). Biodiversity and Biotechnological applications of Cyanobacteria
- 7). **International Conference on Recent Advances in Biosciences.** PGP College of Arts and Sciences, Namakkal, India. February 12-13, 2004
 7. Mohan, S., Vijay Antony, M., Kasinathan, P. and Thajuddin, N. (2004) Phytase production by solid state fermentation.
 8. Vijay Antony, M., Mohan, S., Kasinathan, P. and Thajuddin, N. (2004) Biostoning action of purified cellulases from a mutant *Trichoderma viride* on cotton fibres and yarn.
- 8). **Biology in Asia International Conference**, National University of Singapore Singapore. December 7 –10, 2004.
 9. Thajuddin, N^{*} and S. A. Nierzwicki Bauer (2004) Biodiversity of bacterial symbionts associated with *Azolla* spp. : a 16SrRNA approach.
 10. Nagasathya, A. and N. Thajuddin^{*}(2004) Bioremediation of paper mill effluents by using hypersaline cyanobacterium *Phormidium tenue* KMD 33.
 11. Jayachitra, K., S. S. Sudha., A. Panneerselvam and N. Thajuddin (2004) Comparative study on the biodiversity of cyanobacteria (Blue-green algae) from freshwater and marine environments of South India.
 12. Usha, S., A. Panneerselvam and Thajuddin, N. (2004) Vitamins and minerals in *Calocybe indica* (APH2).
- 9) **International Conference on Coastal Hazards.** SASTRA Deemed University, Tanjavur. February 9 – 11, 2005.

13. Dhanasekaran, D., Ramprasath, C., Rajakumar, G., Panneerselvam, P. and Thajuddin, N. (2005) Novel peptide Antibiotic produced by marine *Streptomyces noursei* from saltpan of Tamilnadu.
14. Dhanasekaran, D., Lakshminarayanan., Panneerselvam, P. and Thajuddin, N. (2005) Screening and characterization of polysaccharide anticoagulant from marine brown seaweed *Sargassum*
- 10) Indo-Australian Conference on Biotechnology in Infectious diseases.** Kasturiba Medical College, Manipal, India. March 1 – 3, 2005.
15. Ganesh Manikandan, S., Saravanan, R., Lakshminarasihman, C., Dharmalingam, K., Jebakumar, B. and Thajuddin, N. (2005) Antibacterial activity of *Punica granatum* epicarp against MRSA.
- 11) International Conference on Applied Phycology** University of Delhi, Delhi during 14 – 15, February, 2006.
16. Thajuddin, N.* and G. Subramanian (2006) Biodiversity and molecular phylogeny of marine cyanobacteria.
17. Muralitharan, G. and N. Thajuddin (2006) DNA Fingerprinting and Phylogeny of Marine Cyanobacteria by using RAPD-PCR.
- 12) International Conference on “Current Trends in Algal Bioresource Utilization”** Assam University, Silchar, Assam during 4 – 6, December, 2006.
18. Thajuddin, N.* (2006) Application of molecular tools for the study of biodiversity, taxonomy and phylogeny of symbiotic cyanobacteria from *Azolla*, cycads and cyanolichens.
19. Muralitharan, G. and Thajuddin, N. (2006) Molecular phylogenetic analysis of marine Oscillatoriales by STRR – fingerprinting.
20. Muthukumar, C., Muralitharan, G. and Thajuddin, N. (2006). Phylogenetic relationship of marine cyanobacteria using RAPD and protein fingerprinting.
21. Prabakaran, M., V. Thennarasu, G. Sathyaprabha, A. Panneerselvam and N. Thajuddin (2006). Characterization of marine and hypersaline cyanobacteria using morphological, biochemical and molecular techniques.
22. A. Panneerselvam, Jeyachitra, K. and N. Thajuddin (2006). Biodiversity, characterization and applications of freshwater cyanobacteria
- 13) International Conference on Vision on Rural water, Life & Environment for the 21st Century.** Department of Geology, Bharathidasan University, Tiruchirappalli – 620 024, India. 29 – 31 January, 2007.
23. Thajuddin, N.* (2007) The Impact of *Trichodesmium* Blooms (Cyanobacterium) in Marine Ecosystem.
24. Muralitharan, G., Muthukumar, C. and N. Thajuddin (2007) Influence of Blue-green algal blooms on fresh water ponds of Thanjavur, Tamilnadu.
- 14). 2nd International Symposium on Translational Research on Natural Products & Cancer.** Lonavala, Mumbai, India 9 – 12, December, 2007.
25. Riyasdeen, A., V.S. Periyasamy, C. Preethy Paul, H.S. Jahangir, N. Thajuddin, S. Srinag, H. Krishnamurthy, and M.A. Akbarsha (2007) Novel Streptomyces extracts as apoptosis inducers in cancer cell lines.
- 15). The 28th World Congress of Biomedical Laboratory Science – Present & Future,** New Delhi, India. 24 – 28th August, 2008.

26. Suresh, M., Rath, P.K., Panneerselvam, A. and Thajuddin, N. (2008) Incidence of Mycobacterium tuberculosis in cases of female infertility. A prospective study with direct microscopy, culture and real-time PCR for mycobacteria in endometrial biopsy material.
- 16. International colloquium on Emerging biotechnologies in Agriculture, Animal health and Productivity**, Alagappa University, Karaikudi, India, 22 – 26, February 2009
- 17. 7th Asia Pacific Conference on Algal Biotechnology: New Challenges and Opportunities for the 21st Century. University of Delhi, Delhi 110 007, December 1-4, 2009.**
27. Mubarak Ali, D., Sasikala, M. and N. Thajuddin (2009) Comparative studies on synthesis and characterization of nanoparticles from cyanobacterium *Oscillatoria earlei* NTDM03.
28. Mubarak Ali, D., Divya, C., Gunasekaran, M. and N. Thajuddin Biosynthesis and characterization of Silicon- Germanium Oxide Nanocomposite by Diatoms
29. Muralitharan, G., and N. Thajuddin. Assessment of the genetic diversity and classification of marine cyanobacterial culture collection strains of Indian subcontinent using PCR fingerprinting methods.
30. Praveen Kumar, R., Leo Antony, M., Vijayan, D. and N. Thajuddin. Study on variability in biomass and biochemical composition of the Microalga *Chlorella* sp. in different culture media
31. Satheesh kumar, M., Chackravarthy, R., Ganapathi, A., and N. Thajuddin - Organogenesis in Tomato PKM1 by Cyanobacterial Extracellular Products (CEPS)
32. Suresh, A., Dhanasekaran, D., and N. Thajuddin. Biodiversity of microalgae among the three different sub rivers of Cauvery in Tiruchirappalli district, Tamilnadu
33. Thajuddin, N. Morphological and molecular taxonomy of symbiotic cyanobacteria
- 18. International Conference on Aquatic Microbiology (Status, Challenges and Opportunities) organized by CAS in Marine Biology, Annamalai University Parangipettai – 608 502, September 2 - 4, 2010.**
34. Thajuddin, N. – Molecular Taxonomy of Cyanobacteria.
- 19. 111th Annual Meeting of the American Society for Microbiology, May 21- 24, 2011, New Orleans, Louisiana. USA**
35. Prabakaran, M. Panneerselvam, A., Thajuddin, N., Stokes, I., and M. Gunasekaran, M. 2011. Screening and characterization Antimicrobials from the members of Oscillatoriaceae (Cyanobacteria) against MRSA, Gram positive and Gram-negative bacteria. Abstract # 3186.
- 20. International Conference on “Impact of Physical Sciences on Biology” organized by Queen Mary’s College, Chennai 600 004, July 7 – 9, 2011.**
36. Arvind Kumar, R. and N. Thajuddin. - Diversity of Marine Microalgae from Manora coast (Palk Strait) Thanjavur District, Tamilnadu, India.
- 37. *Ilavarasi, A. and N. Thajuddin. - Isolation and screening of fresh water microalgae for carotenoids**
- 38. *Jhoney K, Praveenkumar, R and N.Thajuddin. - Study on the response of *Chlorococcum* sp., BUM11004 towards nitrogen starved regime: Focus towards increasing lipid production for biodiesel feedstock**
39. Karthiga Devi. K, Moorthy.K and Thajuddin, N. - Bacteriocin and cellulose production by *Lactobacillus brevis* from raw cow milk
40. Manivannan. N, Thajuddin.N and Thilagavathy Daniel - Screening of native phosphate solubilizing bacteria isolated from cow-pea rhizosphere for enriching the vermicompost

41. Mubarak Ali, D., Gunasekaran, M and N. Thajuddin. - Biosynthesis of silver nanoparticles using plant extract of *Menthapiperita* and biomedical application.
 42. Gayathri, R., Parveez Ahamed, A., Soundararajan, S., Mubarak Ali, D and N. Thajuddin. - Antimicrobial property and Molecular Phylogeny of soil fungi isolated from Myanmar.
 43. Praveenkumar R., Shameera K., Mahalakshmi G. and N. Thajuddin. - Influence of nutrient deprivations on lipid accumulation in a dominant indigenous microalga *Chlorella* sp., BUM11008: Evaluation for biodiesel production
 44. Kamaraj Rajeshwari, Muthukannan Satheeskumar and Nooruddin Thajuddin - Biosorption of Chromium (VI) ions using immobilized and free cyanobacterial filaments.
 45. Reehana, N., Mubarak Ali, D and N. Thajuddin. - Structural analysis of c-phycoyanin gene from the selected Cyanobacteria
 46. Muthukannan Satheeskumar, Kamaraj Rajeshwari, Nooruddin Thajuddin - Biosorption of Lead (Pb²⁺) using cyanobacterial biofilters
 47. Suresh, A., Dhanasekaran, D., and N. Thajuddin. - Microalgal diversity from hill stations of Tamil Nadu, India
 48. Vijayan, D., Muralitharan, G. and N. Thajuddin. - Multiple copies of tRNA^{fMet} group I self-splicing introns in filamentous Cyanobacteria.
- 21. The Annual Meeting of 4 Leading Scientific Societies. *Botanical Society of America, Botany 2011 - Healing the Planet.* Chase Park Plaza, St. Louis, Missouri, USA. July 9 – 13, 2011.**
49. Mubarak Ali D., Johnson S., Shenbagavalli, T., Mari Nivetha, T., Praveenkumar R., Ilavarasi A., Parveez Ahamed A., Thajuddin N., and Gunasekaran M. Nutritional based optimization of increased lipid content in freshwater microalgae, *Scenedesmus bijugatus* var *bicellularis* for biodiesel feedstock. (Phycological Section/BSA Economic Botany Section.) Abstract # 343.
 50. Ilavarasi A., Thajuddin N., and Gunasekaran, M. *Monoraphidium* sp, HM 768826: A suitable sustainable lipid source for biodiesel production. (Phycological Section/BSA Economic Botany Section.) Abstract # 341.
 51. Deepa, S., Duncan K., Panneerselvam A., Prabhakaran, M., Thajuddin, N. and Gunasekaran, M., Biodiversity, Antimicrobial Activity and Molecular Characterization of Actinomycetes from Salt Pan Environment. (Genetics Section/Mycological Section) Abstract # 287.
 52. Mubarak Ali D., Praveenkumar R., Stokes. I., Shenbagavalli, T., Mari Nivetha, T., Ilavarasi, A., Parveez Ahamed, A., Thajuddin N. and Gunasekaran M. Morphological, biochemical, molecular and antimicrobial characterization of *Trichoderma viride* NTDMF01. (Genetics Section/Mycological Section) Abstract # 297.
 53. Shenbagavalli, T., Duncan, K., Mubarak Ali, D., Praveen Kumar, R., N. Thajuddin, N. and Gunasekaran, M. Antimicrobial activities of fatty acid methyl esters (FAME) of *Scenedesmus bijugatus* var. *bicellularis*. (Phycological Section/BSA Economic Botany Section.) Abstract # 344.
- 22. International Conference on “Emerging Trends in Biomarker Research – Prospects & Challenges” - ICBR 2013** organized by the **Biomarkers Research Society**, Hyderabad on September 13-14, 2013.
54. Rasheed. M.U, Kaiser Jamil, N. Thajuddin, Mukesh Pasupuleti, Parveez Ahamed, Muthukumaresan, K.P. Virulent genes *stx1*, *stx2* and *hlyA* as biomarkers for the identification of Shiga-toxigenic *E. coli* in food and water samples collected in and around Hyderabad, India.

23. **22nd European Biomass Conference and Exhibition, Algae Event 2014** at Congress Center Hamburg (CCH), Hamburg, Germany on June 25, 2014.
55. Thajuddin, N., Shatheesh Kumar, M. and Muralitharan, G. – Biodegradation of hydrocarbons and IAA production by cyanobacteria.
24. **3rd Asia-Oceania Algae Innovation Summit**, Daejeon, Korea, November 17 – 20, 2014
56. Durairaj Vijayan, Gangatharan Muralitharan, and Nooruddin Thajuddin - Optimization of PCR conditions for analysing the Cyanobacterial tRNA^{fMet} (AUG) Gene Group I Intron using Touch Down and Band - Stab PCR Methods.
25. **International Conference on Recent Trends in Biological Research- organized the by Department of Microbiology, Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu on December-22, 2015.**
57. R. Thangaraj, D. Pandiaraj and N.Thajuddin. Lipid enhancement of CO₂ fixing hypersaline green algae *Chlorella* sp. as a feedstock for biodiesel production.
26. **International Conference on “Recent Advances in Synthetic Biology” organized by the Department of Biotechnology and bioinformatics”, Bishop Heber College, Tiruchirappalli – 620 024 on January 8 & 9, 2015.**
58. ***Lewis-Oscar, F., Nithya, C., Nithya, K., Bakkiyaraj, D., Arunkumar, M., Alharbi, N.S., Arunachalam, C., Alharbi, A.A. and N. Thajuddin - Biofilm inhibitory potential of *Spirulina platensis* against the opportunistic pathogen *Pseudomonas aeruginosa*.**
27. **International conference on biodiversity and bioactive natural products on Human welfare organized by Government Arts College, Karur on February 10 to 12 – 2016**
59. Santhoshkumar. S, Velayuthum. P, Jeyaprakash. R, **Thajuddin. N** and Kala. K. Effect of cyanobacterial extracellular products on mass propagation of *Gloriosa superba* L. through shoot apex explants.
28. **International Conference on “A New Horizon in Material organized by Department of Physics”, Sarah Tucker College, Tirunelveli, India on March 11, 2016.**
60. F. L. Oscar, D. MubarakAli, C. Nithya, R. Priyanka, V. Gopinath, N. S. Alharbi and **N. Thajuddin**. One pot synthesis and anti-biofilm potential of copper nanoparticles (CuNPs) against clinical strains of *Pseudomonas aeruginosa*
29. **International Conference on “Recent Advances in Biosciences”** organized by the Biosciences Department, Alagappa University Karaikudi- 630 003. India on 7 – 9, April 2016.
61. Sumathi, S., Gayahri, M., Muralitharan, G. and **N. Thajuddin**.- Toxicity studies of *Trichodesmium* bloom extracts from Gulf of Mannar, Ramnad District, Tamil Nadu, India.
62. Dharithri Borah, Vimala, N., Jayashree Rout and **N. Thajuddin** – Cyanobacteria from biodiversity hot spot zone of Assam, North – East India – Biochemical and chemotaxonomic studies.
63. Seema, S., Beema Shafreen and **N, Thajuddin** – Synthesis of Silver nanoparticles from *Nitzschia palea* and their antibiofilm efficiency against ESBL producing bacteria.
30. **4th International Conference on “Advances in Computer Science and Engineering (ICACSE 2017)”** Hyderabad, India on 15th April 2017.
64. Sabeeha Sultana, Gowri Srinivasa and N. Thajuddin. - A novel approach for automatic detection and classification of heterocysts from vegetative cells in *Nostoc* sp.
31. **44th Annual meeting & International Symposium on “Microbiology & Biotechnology”** organized by the Korean Society for Microbiology & Biotechnology, Bexco, Busan, Korea on 28 – 30, June 2017.

65. Su-Ra Park, Sung-Yul Lee, D. MubarakAli, N. Thajuddin and Jung-Wan Kim.- Extraction and characterization of FAME from *Scenedesmus intermedius* as a bio-functional Material.
- 32. International Conference on Molecular Advances in Biomedical Research” (ICMABR’18)**
Organized by the PG and Research Department of Zoology, Nehru Memorial College, Puthanampatti in collaboration with the Department of Animal Science, Bharathidasan University, Tiruchirappalli on 9 -10 February, 2018.
66. Extracellular Polymeric Substances from Microalgae and their biotechnological potentials.
- 33. 4th International Conference on Innovations in Biotechnology, Civil & Mechanical Science (ICIBCMS’18),** organized by the Department of Biotechnology, Civil & Mechanical Engineering, Selvam College of Technology, Namakkal, on 9 – 10, March 2018
67. Mathews Lurth Raj.D., M. Zubaita Maryam., Ganesh Moorthy. I., Dhanasekaran. D., Sanjeeva Nayaka, Shyam Kumar. R, and Thajuddin. N. - An Assessment of Coastal Lichen Diversity and Distribution in Kanyakumari District, Tamil Nadu, India
- 34. Two-day International Conference on Current trends in Life Sciences – “Medicinal Plants and its therapeutics”** organized by Kandasamy Kander’s College, Velur, Namakkal & Kongu College of Arts and Science Karur, Tamil Nadu, India, on 7th August 2018
68. Balaperiasamy B., Panneerselvam A. and Thajuddin N. - A study on anticancer properties of *Hypericum wightianum* Wall. ex Wight & Arn.
69. Santhoshkumar S., Jeyaprakash R., Karthick C., Velayutham P., Thajuddin, N. and Kala K. Antiproliferative potential of *in vivo* and *in vitro* Tuber of *Gloriosa superba*, L. using A549 Human Lung Cancer Cell Line
70. Shakena Fathima, T., Anju Majeed and N. Thajuddin. - Augmenting of antidiabetic and antiobesity activity of curcumin using *Spirulina platensis*.
71. Thangaraj, R and Thajuddin N. - Optimization of Medium for Biomass Production of *Anabaena iyengari* and its Synthesize of Silver Nanoparticle
72. Lavania R. and Thajuddin, N. - Phytoplankton as Antioxidants: An exemplary study
- 35. International Conference on “Advanced Nanomaterials for Energy, Environment and Healthcare Applications”** organized by K.S.R,College of Arts & Science for Women Tiruchengode, Namakkal and Swansea University, Wales, United Kingdom August 31 & September 1, 2018.
73. Thenmozhi, R., Karthikeyan, C., Buvaneshwaran, V., Ghadhija Begam, G.R. and Thajuddin, N. – Effect of NiO and Ag doped NiO against biofilm forming Methicillin Resistant *Staphylococcus aureus* (MRSA) strains.
- 36. International Conference on “Emerging areas of Biotechnology for Human Welfare and Bioentrepreneurship”** organized by the School of Life Sciences, B.S.Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 11 & 12 September 2018.
74. ***Arunkumar, A., LewisOscar, F., Thajuddin, N., Pandiaraj, D., Al-Harbi, N.S. and C. Nithya. – Effect of phycoerythrin pigment on biofilm formation of marine *Vibrio* sp.**
75. ***Ishack, K.A.S.S., AnisAhamed, N., Ambikapathy, V. Thajuddin, N. and A. Panneerselvam – Development of microbial consortium for wastewater treatments.**
76. Selvakumar, V., MubarakAli, D., Saravanakumar, K., and N. Thajuddin.- A comprehensive review on antialgal allelochemicals derived from plants.
77. MubarakAli, D., Manzoor, M.A.P., Sabarinathan, A., Devasya Rekha, P. and N. Thajuddin. – An Inhibitory action on biofilm formation and cytotoxic effects of MgO nanoparticles against uropathogens.

78. ***PadmaPriya, S., MubarakAli,D. and N. Thajuddin – Synthesis of MgO nanoparticles as catalyst for transesterification of algal oil to biodiesel.**
79. MubarakAli, D., Kumaravel, S., Baldev, E. and N. Thajuddin – Microbial fuel cells mediated electricity production using freshwater microalga *Coelastrella terrestris*.
80. Anis Ahamed, N., Ishach, K.A.S.S., Ambikapathy, V. Thajuddin, N. and A. Panneerselvam – Molecular (rbcL, matK, ITS2, & RAPD) characterization of the endangered plant *Boscia angustifolia* and their microbial activities.
- 37. International Conference on Contemporary Research Trends in Mycology and Mycotechnology (CRTMMT-2019)** organized by the Department of Biotechnology, Mother Theresa Women's University, Kodaikanal – 624 101, Tamilnadu, India on 24th-25th January, 2019.
81. ***Mathews Lurth Raj, D., Shakena Fathima, T., Karthikumar, S., Ganesh Moorthy, I., Dhanasekaran,D., Shyam Kumar. R. and Thajuddin, N. - Studies on antimicrobial compounds isolated from coastal lichen associated Actinomycetes.**
82. ***Muthukumar, T., Mathews Lurth Raj, D., Shakena-Fathima, T., Karthikumar, S., Ganesh Moorthy, I., Dhanasekaran, D., Shyam Kumar, R. and Thajuddin, N. - Development of media formulation for isolation of lichen associated Actinomycetes.**
- 38. International Conference on Sustainable Development in Energy & Environment** organized by the Department of Biotechnology Kamaraj College of Engineering and Technology, K. Vellakumam 625 701, Viruthunagar, Madurai District on 18.7.2019.
83. Nagendra Reddy Atla, G. Sai Lakshmi, R. Sathya, K. Saravanakumar, N. Thajuddin, D. Mubarak Ali - Unveiling the microbiome in the gut of silkworm (*Bombyx mori* L) fed with freshwater cyanobacteria.
84. Aravindh, A. Sathya, R. Saravanakumar, K. Thajuddin, N. MubarakAli, D. - A preliminary studies on biodegradation of bisphenol by using freshwater native microalgae
- 39. International Seminar on Microbial interventions for the Welfare of Human Beings (MIWHB-2019)** organized by the PG & Research Department of Microbiology, Sengamala Thayar Educational Trust Women's College, Mannargudi – 614 016, Tamilnadu, India on 9th August, 2019.
85. Reehana, M., Mohamed Imran, M. and Thajuddin, N. - Phylogenetic analysis of *Nostoc* spp. using 16S rRNA gene sequences.
86. Anis Ahamed, Panneerselvam, A., Thajuddin. N. and Arif, L.A. – Assessment of DNA Barcoding of regionally endangered plant species *Aloe castellorum* and its antimicrobial activities.
- 40. Prof. T.V. Desikachary Birth Centenary International Symposium on Biodiversity, Biology and Biotechnology of Algae – ISBBBA-2020** organized by CAS in Botany, University of Madras, Chennai **8 - 10 January 2020.**
87. Nasir Hussein, A.E. Thajuddin, N. and D. MubarakAli - Life Cycle Assessment on the value-added products of freshwater Microalgae
88. Reehana, N., Mohamed Imran, M and N. Thajuddin - Optimization of various environmental conditions for increased production of C-phycoerythrin from *Oscillatoria boryana* NTRI09.
89. Arutselvan. C, Narchonai. G, Baldev. E, Mubarak Ali. D and Thajuddin N - Screening and assessment of microalgae isolated from Betel field for biodiesel production.
90. Peer Muhamed Noorani, K., Babu Rajendran, R. and Thajuddin, N. - Biodegradation of phenolic compounds by fresh water Microalgae.

91. Lavania Ramachandran, Narayanasamy Marappa, Kavitha Sethumadhavan and Thajuddin Nooruddin - Glycoprotein prompted plausible bactericidal and antibiofilm out-turn of extracellular polymers from *Nostoc microscopium*.
92. Narchonai Ganesan, Arutselvan Chithirai, LewisOscar Felix and Thajuddin Nooruddin - Deciphering the microalgal diversity and water quality assessment of two urban temple ponds in Pondicherry, India.
93. R. Rajeswari, N. Thajuddin, K. Geetha - Phycoremediation of Tannery Effluent using Microalgae and Cyanobacteria.
94. Sathya, R., Lakshmi Prasanna, Thajuddin, N. and MubarakAli, D. - An Investigation of Enhanced Lipid Content in Freshwater Microalgae using OTRE Technique.
95. ***Shakena Fathima, T. John Adams, S. Muthuraman, G. Anju Majeed, M. Sivakumar, A. Dhanasekaram, D. Muralitharan, G. and Thajuddin N. - Augmenting anti-diabetic and anti-obesity activity of curcumin using *Spirulina platensis*.**
- 41 International Conference on Green Energy for Environmental Sustainability (ICGEES 2020)** organized by the Department of Chemical Engineering, National Institute of Technology, Calicut, Kozhikode 673 601, Kerala, India on August 5 & 6, 2020
96. Keerthana S.S., Cressida J, Ashwini J., Mathews, L., Ganesh Moorthy, I., Sankar, K., Thajuddin, N. and Shyamkumar, R. - Synergistic effect of co-culturing Endolichenic Actinomycetes with Microalgae to enhance the lipid content of algal biomass for sustainable biofuel production
- 42. First NABS-International Conference on “Life Sciences: Contemporary approaches in Biological Science for Food, Health, Nutrition Security and Conservation of Biodiversity”** organized by the Faculty of Agriculture, Annamalai University & National Academy of Biological Sciences (NABS) on August 26 -27, 2021
97. Thangaraj Ramasamy, Shalini Venketesh, Sageetha Raja and Thajuddin Nooruddin - Antibacterial, Anticancer and Catalytic activity of Biogenic Silver Nanoparticles (AgNPs) synthesized using Chitosan
98. Fayaazuddin Thajuddin, Thangaraj Ramasamy and Thajuddin Nooruddin - Chitosan / CuO Nanocomposite synthesis and characterization for Antibacterial and Catalytic activity
- 43. International Conference on “Biotechnological Effective Approach in Science & Technology” (BEAST-2022)** – organized by the Department of Botany, K.S Rangasamy College of Arts & Science (Autonomous), Tiruchengode – 637 215, India on 7-8, April, 2022.
- 99. Thangaraj, R., Shalini, V., Sageetha, R. and Thajuddin, N. – Antibacterial and catalytic activity of Biogenic Silver nanoparticles (AGNPS) synthesized using Chitosan.**
- 44. International Conference on Future Challenges of Microbes in Environment (ICFCME-2023)** organized by the Department of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 020 in association with the Microbiologists Society, India (MBSI). on 23rd February, 2023
100. Fayaazuddin, T., Prakash, P., Dhanasekaran, D. and Thajuddin, N. - Synthesis, Characterization of dye degradation potential and anticancer activity of copper oxide nanoparticles (CuO).
- 45. International Conference on Algae: Food, Feed, Fuels and Fine Chemicals (ICA F4, 2023)** organized by National Repository for Microalgae & Cyanobacteria (NRMC) – Fresh water and Marine Divisions(Sponsored by DBT, Govt. of India and The Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024on September 6 – 8, 2023.
101. **Reehana, N., Kifaya Parveen, A., Mohamed Imran, M and Thajuddin, N. – Biodiversity of Microalgae from Panjapur pond of Tiruchirappalli, Tamilnadu (India).**

102. **Fayaazuddin, T.**, Akilan, E., and Thajuddin, N. – Vitamin D3 synthesis in microalgae in response to Ultraviolet B (UVB) radiations.
103. **Rashmi, V.**, Uma, L., Prabakaran, D. Thajuddin. N. and Muralitharan, G. – Marine cyanobacterial exopolysaccharides and its multiple utilization as potential biosorbent.
104. **Vinotha, K.**, Rashmi, V., Muralitharan, G., Thajuddin. N., Sivasudha, T., - Exploring the biopotentials of polar psychrophilic cyanobacterial photoprotectants.
105. **Vivek, N.**, Nitharsan, K., Rashmi, V., Muralitharan, G., Thajuddin. N., Uma, L., Prabakaran, D. Sivasudha, T. – Formulating cost effective nutrient mixures (N:P) for efficient production of microalgal biodiesel feedstock.
106. **Nitharsan, K.**, Rashmi, V., Thajuddin. N., Uma, L., Muralitharan, G. and Prabakaran, D. – Outdoor mass cultivation with a special emphasis on ossein effluent as an alternative water and nutrient footprint for cost effective biodiesel feed stock production.
107. **Selvapriya, S.**, Rashmi, V., Muralitharan, G., Thajuddin. N., Uma, L., Sivasudha, T, Rajakumar, T. and Prabakaran. D. – Exploration of Marine cyanobacteria for lipid production from southeast coast of Tamil Nadu.
108. **Nisha Banu, B.**, Rajesh Kannan, V. and N Thajuddin – Bioremediation of Industrial effluent using microalgae and cyanobacteria.
109. **Peer Muhamed Noorani, K.** and Thajuddin – N. Biodegradation of phthalic acid esters and phenolics pollutants by two different freshwater microalgal species.
110. Shakena Fathima, T., **Asraf Sithikka, M.R.**, John Adams, Anju Majeed., Muralitharan, G. and Thajuddin N. – Study on bioconversion of curcumin to calebin-A using *Spirulina* subsalsa and its taxonomic resolution using 16S rRNA analysis.
111. **Shakena Fathima, T.**, Fayaazuddin, T., Dhanveer Ahamed, B., Prakash, P., Akilan, E., Asraf Sithikka, M.R., Muralitharan, G. and Thajuddin N. – Suitability of phycocyanin gene sequences for the identification of cyanobacterial taxa belonging to Oscillatoriales.

***Papers received Best Paper/Poster Awards.**

NATIONAL LEVEL:

- 1). **Second All India Applied Phycological Society**, New Delhi, October 29-31(1987)
 1. Subramanian, G., Sundararaman, M., Thajuddin, N. *, Prabakaran, D and Sekar, S. Survey of Cyanobacterial flora in the southern east coast of India.
- 2). **XI All Indian Botanical Conference**, Bharathidasan University, Tiruchirappalli. January, 2 – 4 (1989)
 2. ***Thajuddin, N.* Cyanobacterial wealth in the southern east coast of India.**
- 3). **National Symposium on Cyanobacterial Nitrogen Fixation**, IARI, New Delhi, January 29-31 (1990)
 3. Thajuddin, N.* and Subramanian, G. Cyanobacterial phytoplankton of the Gulf of Mannar region.
- 4). **31st Annual Conference of the Microbiologists of India**. TNAU, Coimbatore, January 23-25 (1991)
 4. Thajuddin, N*, Sundararaman, M., Prabakaran, D., Sekar, S. and Subramanian, G. Characterization of *Trichodesmium erythraeum* from the Southern east coast of India.
- 5). **32nd Annual Conference of the Microbiologists of India**. Madurai Kamaraj University, Madurai, January 10 – 12 (1992)
 5. Thajuddin, N*. and Subramanian, G. Diurnal variation of plankton and primary production in Mandapam coast, Gulf of Mannar region.
- 6). **33rd Annual Conference of the Microbiologists of India**. University of Goa, Goa. November 5-7 (1992)
 6. Thajuddin, N*. and Subramanian, G. Cyanobacterial flora from the hypersaline environments.

- 7). **39th Annual Conference of Association of Microbiologists of India**, Mangalore University, Mangalore. December 5 - 7 (1998)
7. Thajuddin, N*. and Subramanian, G. The Rise and Fall of Trichodesmium.
- 8). **National Seminar on Modern Trends in Plant Science**, A.V.C. Collage, Mannampandal, Mayiladuthurai. March 4 – 6 (1999).
8. Thajuddin, N*. Microbial Biodiversity - A molecular approach.
- 9). **State level Seminar on "Nunkalai Sirappu Aaivarangam"** conducted by lynthamil Aaivalar Mandram, Madurai, at Mathaguppatti, Sivagangai District. January 8 – 9 (2000)
9. Thajuddin, N*. Microbial Biodiversity - 16S rRNA Molecular Approach. (in tamil).
- 10). **National Symposium on Marine Algal Research in India – Prospect & Retrospect**. Bharathidasan University, Tiruchirappalli, August 16 – 18, 2001
10. Nagasathya, A. and Thajuddin, N. - Diversity of Hypersaline cyanobacteria from Vedharanyam salt pan.
11. Nagasathya, A. Chelladevi, Saravanan, P. and Thajuddin, N. - Biodiversity and abundance of Cyanobacteria from different salt pans.
12. Manikandan, K., Nagasathya, A. Shyam Kumar, R. and Thajuddin, N. - Taxonomic studies on cyanobacteria from salt pans of Point Calimere, Tamil Nadu.
13. Nagasathya, A. Azeemudeen, M. Sankar Ganesh, J. and Thajuddin, N. - Diversity of diatom flora from Vedharanyam salt pan.
14. Thajuddin, N*.and Subramanian, G. - Biodiversity of marine Cyanobacteria from Indian coasts.
- 11). **National Seminar on Environmental Biology and Fish Biology** Visva Bharati, Santiniketan 731 235, February 1-3 (2002)
15. Premraj, R. and N. Thajuddin. Distribution and role of microalgae in dye factory effluents.
- 12). **National Symposium on Algae and Environment**. University of Kerala, Thiruvananthapuram. February 13 – 15, 2003
- 16 Thajuddin, N*.and Subramanian, G. Distribution of marine cyanobacteria from Andaman Islands ..
17. Srisathiyannarayanan, D. Sudha, S.S., Panneerselvam, A. and Thajuddin, N. - Planktonic Diatoms of Muthupet Estuary, Thanjuvur District, Tamil Nadu.
18. Ponmani, T., Nagasathya, A. and Thajuddin, N. - Note on planktonic diatoms from Kottaipattinam, Pudukkottai District, Tamil Nadu.
19. Thiagarajan, V. and Thajuddin, N. - Biodiversity and distribution of cyanobacteria from different altitudes of Kolli Hills, Tamil Nadu. .
20. Manikandan, K. Sivakumar, S.R. and Thajuddin, N.- Cyanobacterial biodiversity from terrestrial habitat of Palkalaiperur, Tiruchirappalli.
21. Sudha, S.S., Panneerselvam, A. and Thajuddin, N. - Stenohaline cyanobacterial and fungal diversity from Muthupet estuarine ecosystem.
22. Jayachitra, K., Panneerselvam, A. and Thajuddin, N. - Diversity and monthly variations of cyanobacteria from three different fresh water habitats (Part 1)
- 13). **National Seminar on Emerging Trends in Plant Sciences**. Annamalai University, Annamalai Nagar. March 15 – 16, 2003
23. Dhanasekaran, D., Panneerselvam, P., Thajuddin, N., and Sivamani, P., Antimycotic activity of Actinomycetes against *Aspergillus* sp.
- 14). **Seminar on Biosciences**, Harur Muthu Arts & Science College for Women, Harur, Dharmapuri District, November, 26 (2003).

24. Thajuddin, N.* Cyanobacteria – a biotechnological approach.
- 15). **National Symposium on Recent Trends in Biology, Biodiversity and Biotechnology of Fungi**, CAS in Botany, University of Madras, Chennai, February, 5- 6, (2004)
25. Saravana Priya, B.J., Dhanasekarn,.D., Panneerselvam, A., Thajuddin, N. and Prabhu, P. Preliminary characterization of some *Streptomyces* species from marine soils and their antifungal potential against selected opportunistic fungi.
- 16). **National Symposium on Recent Trends in Biological Research**, Department of Botany and Microbiology, AVVM Sri Pushpam College Poondi, Thanjavur District, February 17 – 19, 2004.
26. Dhanasekaran,. D., Panneerselvam, A. and Thajuddin, N.- Activity of marine soil actinomyetes isolates against pathogenic bacteria.
27. Senthil Kumar, R., Panneerselvam, A. and Thajuddin, N. - Effect of Nutritional sources on Cellulolysis rate of *Pestalotia* sp.
28. Ganesh Manikandan. S., Saravanan, R., Lakshminarashimman, C., Thajuddin, N. and Jayanthi, R. - Pulsed-field gel electrophoretic analysis of *Staphylococcus aureus* DNA digest.
29. Senthil Kumar, R., Panneerselvam, A. and Thajuddin, N. - A comparative study on the growth rate of *Pestalotia* sp. on different culture media.
30. Jeyachitra, K., Panneerselvam, A. and Thajuddin, N. - Diversity and monthly variations of Cyanobacteria from three different freshwater habitats (Part 2).
31. Vijay Antony, M., Kasinathan, P. and Thajuddin, N. - Biodegradation of waste paper by cellulase from a mutant *Trichoderma viride*
32. Senthil Kumar, R., Panneerselvam, A. and Thajuddin, N. - Evaluation of different fungal antagonists on *Pestalotia* sp.
33. Mohan, S., Kasinathan, P. and Thajuddin, N. - Efficacy of a mutant *Aspergillus niger* phytase produced by solid state fermentation of bioavailability of phosphorous and calcium in broiler chickens.
- 17). **National Symposium on Microalgal Biotechnology**, Bharathidasan University, Tiruchirappalli, March, 11-13, 2004
34. Thajuddin, N* and Subramanian., G. - Marine Cyanobacterial Biodiversity from Indian Coasts.
35. Thajuddin, N*. and Nierzwicki-Bauer, S.A. - Cyanobacterial Taxonomy-16S rRNA approach,
36. Nagasathya, A. and Thajuddin, N. - Biodiversity of microalgae from salt pans of Tamil Nadu, India.
37. Thiagarajan, V. and Thajuddin, N. - Seasonal variation in the biodiversity of cyanobacteria from Kolli hills.
38. Shyam Kumar, R. and Thajuddin, N. - Diversity of lichens (cyanolichens) from Kolli hills of Tamil Nadu, India..
39. Boominathan, B., Manoharan, C., Sundararaman, M., and Thajuddin, N. - Biodiversity of microbes in dairy effluent.
40. Sarala, S., Dhanasekarn, D., Panneerselvam, A. and Thajuddin, N. - Isolation, identification and biological activities of *Chlorella* species.
41. Gandhimathi, R., Nagasathya, A. and Thajuddin, N. - Effect of salinity on cyanobacterial pigmentation.
42. Parameswari, K.A., Muralitharan, G. and Thajuddin, N. - Screening of siderophores from marine Cyanobacteria.

43. Sangeetha Priya, S., Muthukumar, C., Muralitharan, G. and Thajuddin, N. - An attempt on the development of natural culture media for marine Cyanobacteria.
44. Shyamaladevi, S., Anandkumar, N. and Thajuddin, N. - Biodiversity of Cyanobacteria from different fresh water bodies of Tiruchirappalli.
- 45.***Jeyachitra, K., Panneerselvam, A. and Thajuddin, N. - Diversity and monthly variations of cyanobacteria from three different fresh water habitats (Part-3).**
46. Ruba, P. and Thajuddin, N. - Biodiversity of Cyanobacteria from two different textile effluents.
47. Anandavalli, I. and Thajuddin, N. - Re-evaluation of cyanobacterial biodiversity from Gulf of Mannar (Mandapam) region.
48. Sudha, S.S., Panneerselvam, A. and Thajuddin, N. - Cyanobacterial biodiversity from Muthupet Backwaters.
49. Prabhu, S., Selvakumar, S., Nagasathya, A., Syed Jahangir, H. and Thajuddin, N. - Marine and Hypersaline diatoms from Palk Bay region, Tamil Nadu.
50. Ashwini, K., Muralitharan, G. and Thajuddin, N. - PCR Based detection of introns from unicellular marine Cyanobacteria.
- 18). **National level seminar on 'Emerging Trends in Microbiology** Sri Ramakrishna College of Arts & Science for Women, Coimbatore on August, 25, 2004
51. Thajuddin, N*. Recent Trends in Microalgal Biodiversity – 16S rRNA approach.
- 19). **National Symposium on Biology and Biodiversity of Freshwater Algae.** CAS in Botany, University of Madras, Chennai. February 17 – 19, 2004
52. Thajuddin, N*.and Sandra Nierzwicki-Bauer, A. - Molecular identification and phylogeny of cyanobacterial symbionts associated with *Azolla* spp.
53. Thiagarajan, S., Harini, S., Muralitharan, G. and Thajuddin, N. - Taxonomic studies on paddy field cyanobacterial diversity.
54. Anandavalli, I., Kannagi, N., Anandakumar, N. and Thajuddin, N. - Survey of epilithic Cyanobacteria (Blue-green algae) from temples of Thanjavur and Thiruvarur Districts, Tamil Nadu
55. Muthukumar, C., Vijayakumar, R., Muralitharan, G., Panneerselvam, A. and Thajuddin, N. - Cyanobacterial biodiversity from different freshwater ponds of Thanjavur.
56. Jayachitra, K., Panneerselvam, A. and Thajuddin, N. - Biodiversity of freshwater Cyanobacteria from Palakad Lake (Kerala)
57. Muralitharan, G., Nagasathya, A. and Thajuddin, N. - Comparative study on the Protein and RAPD patterns of *Lyngbya majuscula* collected from freshwater and marine environments.
- 20). **National Symposium on Algal Biology and Industrial Applications.** Krishnamurthy Institute of Algology, RKM Vivekananda College, Chennai. September 25 – 26, 2004
58. Thajuddin, N*. - Marine cyanobacterial Biodiversity and Molecular Taxonomy.
59. Muralitharan, G. and Thajuddin, N. - Fatty acid profiles of *Lyngbya majuscula* collected from freshwater and marine habitats.
- 21). **National Conference on Genomics for Health,** Karpagam Arts & Science College, Coimbatore. December 18, 2004.
60. Lakshminarayanan, R., Dhanasekaran, D., Sivagami, P., Rajkumar, G., Panneerselvam, P. and Thajuddin, N. - Functional proteomics of GrhS and GrhU protein in Marine *Streptomyces* sp. JP95.

61. Ramprasath, C., Dhanasekaran, D., Sivagami, P., Rajkumar, G., Karunakaran, K., Panneerselvam, P. and Thajuddin, N. - Functional genomics of Mito and Mmch gene in *Streptomyces lavendulae*.
- 22). **3rd National Conference of Indian Association of Applied Microbiologists (IAAM)**. Adiparasakthi College of Arts & Science, Kalavai. January 5 – 7, 2005
62. Jayalakshmi, K., Dhanasekaran, D., Panneerselvam, P. and Thajuddin, N. - Biological and chemical characterization of the antibiotic activity of Actinomycetes isolated from marine soil.
63. Tamilarasi, S., Dhanasekaran, D., Panneerselvam, P. and Thajuddin, N. - A plant growth inhibitory substance produced by *Streptomyces* sp.
64. Aswini, L., Dhanasekaran, D., Panneerselvam, P. and Thajuddin, N. - Effect of Ultra violet light on growth of *Pleurotus* sp.
- 23). **National symposium on Marine Plants, Their Chemistry and Utilization**. Organized by Seaweed Research and Utilization Association and Suganthi Devadasan Marine Research Institute, Tutucorin, 23 – 25 June, 2005
65. N. Thajuddin, G. Muralitharan and G. Subramanian - Partial sequence of 16S rRNA and the phylogeny of *Spirulina subsalsa* BDU 30311 and *Oscillatoria salina* BDU 40102.
66. *S. Thiyagarajan, G. Muralitharan and N. Thajuddin - **Phylogeny of Marine Cyanobacteria (Oscillatoriaceae) using Randomly Amplified Polymorphic DNA (RAPD) fingerprinting**.
67. G. Muralitharan, R. Anjugavairam and N. Thajuddin - Molecular fingerprinting of marine *Synechococcus* strains by Short Tandemly Repeated Repetitive (STRR) sequences and Repetitive Element PCR.
68. M. Satheesh kumar, G. Muralitharan and N. Thajuddin - Hydrocarbon degradation by marine cyanobacterium *Phormidium tenue* KMD 33.
69. A. Nagasathya, Libi Majid and N. Thajuddin - Production of Siderophores by hypersaline cyanobacteria.
70. R. Vijayakumar, C. Muthukumar, V. Ambikapathy, N. Thajuddin and A. Panneerselvam - Screening of antagonistic actinomycetes isolated from Point Calimere, Tamilnadu.
71. N. Thajuddin * - Cyanobacterial biodiversity and applications. In: Souvenir
- 24). **National Conference on Aquaculture Biotechnology**. AVVM Sri Pushpam College, Poondi, Thanjavur Dt. 21 & 22, July, 2005
72. N. Thajuddin* DNA Fingerprinting of Marine Cyanobacteria.
- 25). **National Conference on Frontiers in Environmental Sciences and Engineering in India**. Bharathiar University, Coimbatore, September 15 – 17, 2005.
73. S.S. Sudha, A. Panneerselvam and N. Thajuddin. Biodiversity of Cyanobacteria from Muthupet Estuarine Ecosystem.
- 26). **VIII National Symposium on Soil Biology in Human Welfare**. Organized by PG. Department of Microbiology, Ponnaiah Ramajajam College, Thanjavur – 614 904. October 5 – 7, 2005.
74. Vijayakumar, R., Muthukumar, C., Thajuddin, N. and Panneerselvam, A. Screening of antagonistic Actinomycetes from east coast of India.
- 27). **National Seminar on Marine Biodiversity**, organized by Centre for Marine Biodiversity & Department of Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, November 15, 2005
75. Thajuddin, N* and G. Subramanian, Marine Cyanobacteria – Biodiversity and Molecular Taxonomy.

- 28). **National Symposium on Recent trends in Microbial Biotechnology**, Organized by Sri Sankara Arts & Science College, Kanchipuram – 631 561, December 29 – 30, 2005.
76. ***Syed Jahangir, H., Fairoz Sherin Sulthana, D. and Thajuddin, N. Optimization of Chicken Feather – Barbs degrading *Streptomyces* sp.**
- 29). **National Symposium on Algae, Man and Biosphere**, jointly organized by Seaweed Research and Utilization Association and Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi, Thanjavur District during 24 – 25 February, 2006
77. Thajuddin* N. and G. Subramanian - Biodiversity and Molecular Biological Characterization of Marine Cyanobacteria
78. Muralitharan, G. and N. Thajuddin - Phylogentic analysis of cyanobacteria using different Bioinformatics tools.
79. Sundaramoorthy, M., Muralitharan, G. and N. Thajuddin- Characterization of endosymbiotic cyanobionts from the coralloid roots of *Cycas* (Gymnosperm)
80. Sathyaprabha, G., A. Panneerselvam, G. Muralitharan and N. Thajuddin - Characterization of marine *Phormidium valderianum* strains using RAPD and Rep-PCR.
81. Kalaivani, J., Kumar, T., Muralitharan, G. and N. Thajuddin- Characterization of marine *Synechococcus* using RAPD-PCR.
82. Jeyachitra, K., Panneerselvam, A. and N. Thajuddin- Antimicrobial properties of fresh water cyanobacterium *Oscillatoria earlei* Gardner.
83. Nagasathya, A. and N. Thajuddin - Antioxidant Property of Hypersaline Cyanobacterium *Phormidium tenue* KMD33
84. Nagasathya, A. and N. Thajuddin - Bioremediation of Paper Mill effluent by using Hypersaline Cyanobacterium *Phormidium tenue* KMD33.
85. Shyam Kumar, R., G. Muralitharan and N. Thajuddin- Diversity of epiphytic Cyanobacteria on lichens from Kolli Hills and Yercaud, Tamilnadu
86. Anandakumar, N. and N. Thajuddin- Biodiversity of epipelagic microplankton of Gulf of Mannar (Mandapam-Rameshwaram- Kurusadai island) region, Tamilnadu
87. ***Vijayakumar, S., N. Thajuddin and C. Manoharan- Biodiversity of Cyanobacteria in industrial effluents.**
- 30). **National Symposium on Algal Biodiversity and its role in Bioremediation**. Jointly organized by Krishnamurthy Institute of Algology and Vivekananda Institute of Algal Technology, Chennai during 23 – 25 September, 2006.
88. Sundaramoorthy, M., Muralitharan, G. Muthukumar, C. and N. Thajuddi* -Morphological, Molecular and Phylogenetic studies of endosymbiotic cyanobionts isolated from different Cycads (Gymnosperms).
- 31). **National Conference on “Recent Trends in Mycological Research”** J.J. College of Arts & Science, Pudukkottai, Tamilnadu. December 28 – 29, 2006
89. Naganandhini, K., Prabakaran, M., Thennarasu, V., Ananthi, M., Sathyaprabha, G., Thajuddin, N. and A. Panneerselvam, A - Antimicrobial activity and NMR characterization of Mushroom spawn exudates of *Pleurotus citrinopileatus*.
90. Senthilkumar, R., Panneerselvam, A. and Thajuddin, N. - Evaluation of culture filtrate of different fungal antagonists on the mycelial growth of *Pestalotia* sp.
91. Vellaian, R., Udayakumar, S., Balakrishnan, S. and Thajuddin, N. - Morpho – anatomical and histochemical studies on fungal infected Grasses (Cyperaceae).
- 32). **5th National Conference of Indian Association of Applied Microbiologists (IAAM) on Emerging Trends and evolving Technologies in Applied Microbiology with Special Reference to Microbial**

Nanotechnology. Sri Sankara Arts & Science College, Kanchipuram – 631 561 during January 11 – 12, 2007.

92. *Nazeerullah, R., Syed Jahangir, H. and N. Thajuddin, N. Biodegradation of malachite green by indigenous soil bacteria and comparative studies with *Pseudomonas aeruginosa*.

33). Seminar on Current Development in Hottest Areas of Biological Sciences, Department of Biotechnology, Bharathidasan University, Tiruchirappalli. January 30 – 31, 2007

93. Thajuddin, N*. PCR based DNA fingerprinting methods for cyanobacterial phylogeny.

34). National Conference on Recent Trends in Biosciences, Annai College of Arts & Science, Kumbakonam – 612 503, February 8 – 9, 2007

94. Sundaramoorthy, M., Prabakaran, M., Thennarasu, V., Sathyaprabha, G., Panneerselvam, A. and Thajuddin, N. - Diversity of Freshwater cyanobacteria from Pudukottai (Dist.) Tamilnadu, South India..

95. Aarthi, S., Natarajan, D., Prabakaran, M., Ananthi, M., Thajuddin, N. and A. Panneerselvam - Antibacterial properties of *Tribulus terrestris* L. – A well-known medicinal herb.

96. Suganya, S., Panneerselvam, A., Natarajan, D., Prabakaran, M., Sundaramoorthy, M., Thajuddin, N. and - Antibacterial activity of *Indigofera glandulosa* Wild. – A legume plant

35). UGC Sponsored Regional Seminar on “Recent Trends in Biotechnology and its role in Utilization of Biodiversity”. Organized by PG & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli- 620 020. March 5 - 6, 2007.

97. Charanya, M., Sathyaprabha, G., Prabakaran, M., Anitha, P. and N. Thajuddin - Comparative study of antibacterial efficacy of *Euphorbia hirta* and *Pedaliium murex*.

98. Suganya, S., Panneerselvam, A., Natarajan, D., Thennarasu, V. and N. Thajuddin - Antifungal properties of *Indigofera glandulosa* (Willd.) against aflatoxin producing fungi.

99. Sivakami, K., Ananthi, M., Prabakaran, M., Thennarasu, V., Ravikumar, R. and N. Thajuddin - Antifungal activity of *Vitex negundo*, *Clerodendrum inerme* and *Barleria cuspidata*

100. Nazeerulla, R., Syed Jahangir, H. and N. Thajuddin - Biodegradation of brilliant green and textile dye effluent by bacterial consortia.

101. Sathyaprabha, G., Prabakaran, M., Muralitharan, G., Thajuddin, N. and A. Panneerselvam - PCR based analysis of marine cyanobacterial strains of *Phormidium valderianum*.

102. Rajalaksmi, R. Sundaramoorthy, M., Prabakaran, M., N. Thajuddin and N. Rani - Studies on phyllosphere microflora of *Cissus setosa* – A medicinal climber.

36). National conference on “Bioprospecting of Marine Resources with special reference to Marine Natural Products and Drug Discovery” organized by Oceanography and coastal area studies, Alagappa University, Karaikudi during April 26 – 28, 2007

103. Thajuddin, N*. - Biodiversity and biotechnological potentials of marine cyanobacteria.

104. Vinodh Kumar, T., D. Mubarak Ali, and N. Thajuddin - Biochemical composition of some marine and hypersaline cyanobacteria isolated from Palk Bay region.

105 Mubarak Ali, D., T. Vinodh Kumar and N. Thajuddin - Screening of some selected hypersaline cyanobacterial isolates for antibacterial activity.

106. Nazeerullah, R., G. Balakrishnan, H. Syed Jahangir and N. Thajuddin - Studies on Bacteriorhodopsin in UV - induced *Hallobacterium salinarium*

- 107. *Muralitharan, G. and N. Thajuddin - Evidence on the presence of tRNA^{fmet} group I intron in the marine cyanobacterium *Synechococcus elongates***
- 108.** Anandakumar, N. and N. Thajuddin - Biodiversity of epipelagic microplankton in the Gulf of Mannar with special reference to Tintinnid and Rotifer species.
- 109.** Leela, A., N. Thajuddin, M. Vivekanandan - Characterization and commercial exploitation of halophiles from extreme environments
- 110.** Muthukumar. C., Muralitharan, G. and N. Thajuddin - Phylogeny of marine cyanobacteria using protein finger printing
- 111.** Gifty Verghese, A. Nagasathya, G. Muralitharan and N. Thajuddin - Characterisation of marine cyanobacterium *Phormidium angustissimum* using 16SrRNA sequencing
- 112. *Anandavalli, I. and N. Thajuddin - Biodiversity of Marine Cyanobacteria from Gulf of Mannar (Mandapam, Rameswaram, Kurusadai island) region, Tamil Nadu.**
- 37). National Symposium on Vistas in Algal Research.** Organized by SDNB Vaisnav College for Women, Chennai – 600 044 during 22 -23 September 2007.
- 113.** Thajuddin, N*. Applications of PCR based fingerprinting in the phylogeny of Marine cyanobacteria.
- 38). National Seminar on Coastal zones of India,** Organized by Department of Geology, National College, Tiruchirappalli, India. December, 6 – 7, 2007
- 114.** Thajuddin, N*. Marine Environment of India – A Potential resource for Biotechnology.
- 39). National Symposium on Current Scenario in Microbial Technology,** Organized by Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 during January 3 – 5, 2008
- 115.** Thajuddin, N*. - Molecular Phylogeny.
- 116.** Suresh, M., P.K. Rath, A. Panneerselvam and N. Thajuddin -Retrospective mycological study of FESS (Fibreoptic Endoscopic Sinus Surgery) biopsy material in patients with sinusitis.
- 117.** Kalanithi, C., K.S. Shanmugam and N.Thajuddin - Characterization and optimization of lactacin B (Bacteriocin) from *Lactobacillus acidophilus*.
- 118.** Archana, R. and N. Thajuddin - DNA Barcoding (overview)
- 119.** Kanagavel, M. and N. Thajuddin - Molecular phylogeny (overview)
- 120.** Karthick, M.S.S. and N. Thajuddin - Cyanobacterial Hydrogen Production (overview).
- 121.** Sangeetha, A. and N. Thajuddin. - Bacterial toxins and their mode of action (overview)
- 122.** Sasikala, M. and N. Thajuddin - Adoptive mechanisms of Extremophiles (overview)
- 123.** Vivekanandan, P. and N. Thajuddin - Post translational modifications (overview)
- 124.** Suganya, S., A. Panneerselvam and N. Thajuddin - Screening of antimicrobial properties of *Indigofera glandulosa* Wild. – A legume plant.
- 125.** Malathy, S., D. S. Premalatha and N. Thajuddin - Optimization of extracellular peroxidase production by *Coprinus* sp.
- 126.** Mullai Nila, K., A. Nagasathya and N. Thajuddin - Biodiversity of marine cyanobacteria from sandy shores of Aranthangi
- 40). National Conference on “Current Trends in Algal Biodiversity and Biotechnology”** organized by CAS in Botany, University of Madras, Chennai – 600 025 during 7 – 8 February, 2008
- 127.** Thajuddin, N*.and G. Subramanian Molecular Phylogeny of Marine Cyanobacteria.

128. Muthukumar, C., Muralitharan, G. and N. Thajuddin Molecular fingerprinting of *Oscillatoria* spp. using 16S rRNA analysis
129. Kalanithi, C., Suganya, S., Malathy, S., Muthukumar, C., Muralitharan, G. and N. Thajuddin. Analysis of SDS-PAGE of whole cell protein profiles of marine cyanobacteria
130. Malathy, S., Suganya, S., Kalanithi, C., Muthukumar, C., Muralitharan, G. and N. Thajuddin. Molecular characterization of marine cyanobacteria using STRR fingerprinting
131. Mubarak Ali, D., Muthukumar, C. and N. Thajuddin Phylogenetic relationship of marine cyanobacteria using Randomly Amplified Polymorphic DNA (RAPD) fingerprinting
132. Praveen Kumar, R., Leo Antony, M., Vijayan, D., Muthu Kumar, C., and N. Thajuddin Diversity and characterization of epiphytic bacteria associated with marine cyanobacteria
133. Suganya, S., Malathy, S., Kalanithi, C., Muthukumar, C. and N. Thajuddin Biodiversity of marine cyanobacteria in Palk Strait region of Bay of Bengal
- 41). **National Symposium on Microbial Biodiversity, Bioremediation and Biotechnology**, jointly organized by the Department of Microbiology & Biotechnology, Bharathidasan University & the Department of Microbiology & Biotechnology, Cauvery College for Women, Tiruchirappalli during 28 & 29 August 2008.
134. ***Praveen Kumar, R., Leo Antony, M., Vijayan, D., Muthu Kumar, C. and Thajuddin, N. Diversity and Morphological Phylogeny of Endosymbiotic Cyanobionts in the coralloid roots of Cycads from Yerkaud Hills (Shervaroys)**
135. Suresh M. Rath P.K., Panneerselvam A, and Thajuddin N Incidence of Rotavirus Gastroenteritis in Childhood Diarrhea
136. Vinodh Kumar, T., N. Thajuddin and S. Ravikumar Screening of bioactive secondary metabolites from seagrass *Syringodium* and *Cymodocea* associated bacteria against chosen antibiotic resistant pathogens
137. Leo Antony, M., Vijayan, D., Praveen Kumar, R., Muthukumar, C. and N. Thajuddin Isolation and characterization of Lipase producing epiphytic bacteria from marine cyanobacteria
138. V. Jayakumar, N. Amaresan and N. Thajuddin Diversity and properties of endophytic bacteria isolated from tomato (*Lycopersicon esculentum*) cultivated in Bay Islands
139. Malathy, S., Suganya, S., Kalanithi, C., Muthukumar, C. and N. Thajuddin Isolation and characterization of marine fungi from east coast of Tamilnadu, India
140. Kalanithi, C., Suganya, S., Malathy, S., Muthukumar, C. and Thajuddin, N. Exploration of Marine Bacteria from Manora coast of Tamilnadu, India.
141. Sangeetha, A., N. Thajuddin and S. Ravikumar Enumeration of endosymbiotic free-living, nitrogen-fixing *Azospirillum* in seagrasses and their biofertilizer effect on phytoplankton
142. Vijayan, D., Leo Antony, M., Praveen Kumar, R., Muthukumar, C. and N. Thajuddin Studies on isolation and characterization of amylase producing epiphytic bacteria from marine Cyanobacteria
143. Poongodi, D., Sydney John D'souza, Kanmani, C. and N. Thajuddin Biodiversity of cyanobacteria from terrestrial habitats in and around Bharathidasan University campus, Tiruchirappalli, Tamilnadu (India)
144. ***Mubarak Ali, D., Sasikala, M., Dhandapani, M., Muthukumar, C. and Thajuddin, N. Biosynthesis and characterization of Silver Nanoparticles using marine cyanobacterium, *Oscillatoria willei* NTDM01**
145. M. Satheesh Kumar, P. Sundararaju, G. Muralitharan and N. Thajuddin Effect of cyanobacteria against root-knot nematode, *Meloidogyne incognita* under *in vitro* condition

146. M. Kanagavel, N. Thajuddin and S. Ravikumar Production of fuel ethanol from pre-treated marine bioresource wastes by using *Saccharomyces cerevisiae*
147. Nandhini Devi, S., Syed Jahangir, H. and Thajuddin, N. Biodegradation of carbofuran (insecticide) by soil dwelling actinomycetes.
- 42). **NATIONAL SYMPOSIUM ON ALGAE IN AGRICULTURE AND FOOD INDUSTRY** Jointly organized by Post Graduate and Research Dept of Plant Biology and Plant Biotechnology, Pachaiyappa's College, Chennai 600 030 and Krishnamurthy Institute of Algology, Chennai - 600 040 during 20th and 21st September, 2008
148. G. Muralitharan and N. Thajuddin Assessment of the genetic diversity and classification of marine cyanobacterial strains of Indian Subcontinent using M13 PCR fingerprinting
149. Mubarak Ali, D., Dhandapani, M. and N. Thajuddin Biosynthesis of Nanoparticles focuses to Phycoremediation using marine cyanobacterium, *Oscillatoria formosa* NTDM02
150. Praveen Kumar, R., Vijayan, D., Leo Antony, M., Muthukumar, C. and N. Thajuddin Diversity of Endosymbiotic Cyanobionts of Cycads (Gymnosperms) – Morphological, Biochemical and Molecular Approach
151. Sasikala, M., Mubarak Ali, D., Dhandapani, M. and N. Thajuddin Biosynthesis of Zinc oxide nanoparticles from Cyanobacteria (*Oscillatoria earlei* NT101)
152. Satheesh kumar, M., P. Sundararaju, G. Muralitharan and N. Thajuddin Effect of cyanobacteria against root-knot nematode, *Meloidogyne javanica* under *in vitro* condition
153. *Suresh, A., Mubarak Ali, D., Praveen Kumar, R and N. Thajuddin **Comparative analysis of dye decolorization by fresh water microalgae and marine cyanobacteria**
- 43). “22nd National Symposium on Recent Advances in Zoological Sciences : Applications to Agriculture, Environment and Human Health”. Jointly organized by Punjab Agricultural University, Ludhiana and Indian Society of Life Sciences, Ludhiana during November 6 – 7, 2008.
154. Thennarasu, V., Panneerselvam, A. and Thajuddin, N. Studies on the effect of PGPR in Vegetable crops.
- 44). “ICMS – ICMR Winter School on New Carbon Materials and Functional Oxides” organized by Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore – 560 064 during December 8 – 13, 2008.
155. Mubarak Ali, D. and Thajuddin, N. Biosynthesis and Characterization of Silver nanoparticles using marine cyanobacteria.
- 45). “State Level Seminar on Conservation and Utilization of Bioresources for Rural Development.” Organized by Department of Biology, Dr. Zakir Hussain College, Ilayangudi – 630 702 during December 29 & 30, 2008.
156. Thajuddin, N*. Marine Cyanobacteria – Biodiversity, Conservation and Utilization
157. Muralitharan G. and Thajuddin N, Polyphyletic nature of Oscillatoriales as revealed by SDS-PAGE of whole cell proteins.
158. Muthukumar, C, Vijayakumar, R, Muralitharan, G, Panneerselvam, A, Saravanamuthu, R and N. Thajuddin · Studies on the mycoflora of Muthupet mangrove environs and their extracellular enzyme production.
46. **National Conference on Biohydrogen – Innovative Fuel for Tomorrow’s World Environment** Organized by Periyar Maniammai University, Vallam, Thanjavur during 21 – 23, January 2009.
159. *Mubarak Ali, D. and Thajuddin, N. – **Efficiency of Cyanobacteria in hydrogen production for alternate fuel.**
160. Parveez Ahamad, A., Raja, V., Mubarak Ali, D. and N. Thajuddin - Biohydrogen – An innovative fuel.

- 47). **National Symposium on “Phycology in India – Basic to Applied”** Organized by the Department of Botany, Punjabi University, Patiala – 147 002 During February 12 – 13, 2009.
161. Thajuddin, N*. - Biodiversity and molecular phylogeny of endosymbiotic cyanobacteria from the coralloid roots of Cycads
 162. Muralitharan, G. and N. Thajuddin. - Molecular systematics of marine Oscillatoriales by Rep-PCR fingerprinting.
 163. Muthukumar, C., G. Muralitharan, D. Dhanasekaran and N. Thajuddin. - Molecular characterization of marine cyanobacteria using 16S rRNA gene sequencing analysis
 164. Panneerselvam, A., S. S. Sudha and N. Thajuddin. - Microalgal diversity of Muthupet estuary
 165. Thennarasu, V., M. Prabakaran, A. Panneerselvam and N. Thajuddin. - Biodiversity of Marine Diatoms from Andaman Islands
 166. Satheesh Kumar, M., P. Sundararaju*, G. Muralitharan and N. Thajuddin - Cyanobacterial diversity and nematocidal activity from Banana crop field.
 167. Mubarak Ali, D., M. Sasikala and N. Thajuddin. - Biosynthesis of nanoparticles from Cyanobacteria.
- 48) **National Conference on Current trends in Biotechnology (Zoro n2p’09)** organized by the Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar – 626 001 on 26 – 27, February 2009.
168. Thajuddin, N* - Cyanobacterial Biotechnology and Conservation
- 49). **National Seminar on Modern Trends in Applied Biology and Chemistry.** Organized by the Department of Biotechnology, Vels University, Chennai – 600 117 on 6th March 2009.
169. Thajuddin, N* – Microalgal Biotechnology
- 50) **Seminar on Trends in Biotechnology** organized by Department of Biotechnology and Bioinformatics, Bharath College of Science & Management, Thanjavur on 11th March 2009.
170. Thajuddin, N*. – DNA Sequencing.
51. UGC Sponsored **National Workshop on “Recent Trends in Rural Development”** Organized by Dept. of Adult, continuing Education & Extension, Bharathidasan University, Tiruchirappalli on 30 – 31 March, 2009.
171. Thajuddin, N*. – *Spirulina* Biotechnology in rural development.
52. **National Conference on “Recent Developments in Cultured Algae”** Organized by OASTC, Andhra University, Visakhapatnam – 530 003 on April 4 – 5, 2009
172. Thajuddin, N*. - Marine Cyanobacterial Biodiversity & Molecular Taxonomy.
 173. Muralitharan,G and N. Thajuddin – Genetic Diversity and phylogeny of Marine Cyanobacteria by multiplex RAPD – PCR fingerprinting.
53. **National Seminar on Recent Trends in Biological Sciences”** organized by Sri Gowri Biotech Research Academy, Thanjavur on 12th April, 2009
174. Dhanasekaran, D. Thajuddin, N. and A. Panneerselvam – Characterization and identification of Novel antifungal compound from *Streptomyces* sp. DPTB16.
 175. Suresh, M. Rath, P.K. Panneerselvam, A. and N. Thajuddin – Diagnosis of fungal/bacterial Keratitis – A practical approach.
 176. Sydney John D’Souza, Muralitharan, G. and N. Thajuddin – Isolation and characterization of multidrug resistance in *Pseudomonas aeruginosa*
 177. Vidhya, C., Muralitharan, G. and N. Thajuddin – Evaluating the use of indigenous cyanobacterium *Phormidium valderianum* in dairy, dye and tannery effluent treatment.

178. Muralitharan, G. and N. Thajuddin – Molecular finger printing of marine cyanobacteria.
179. *Muthukumar, C., Muralitharan, G. and N. Thajuddin – **Characterization of Marine Cyanobacteria by SDS-PHAGE of whole cell proteins, RAPD-PCR and 16 S RNA gene.**
180. *Mubarak Ali, D., Jayarajan, M. and N. Thajuddin – **Plant extract mediated synthesis of silver nanoparticles and its partial characterization.**
1. **National Symposium on Recent Trends in Algal Biotechnology** organized by Mar Athanasios College for Advanced Studies, Thiruvalla, Kerala – 689 010 on 3 - 5 August 2010.
181. Mubarak Ali, D. and N. Thajuddin – Sequence based phylogenetic analysis of phycocyanin gene from marine cyanobacteria.
55. **Second National Conference on “Bioprospecting of Marine Resources with Special reference to Marine Natural Products and Drug Discovery”** organized by Dept. of Oceanography and Coastal Area Studies, School of Marine Sciences, Alagappa University, Thondi - 623 409 Ramnad District on 25 - 27 August 2010.
182. Arvind Kumar R. and N. Thajuddin - Biodiversity of marine microalgae from the Manora coast, Tamilnadu
183. Ilavarasi, A., Mubarak Ali, D., & Thajuddin, N. - Lipid exploitations of *Monoraphidium* sp. NTAI02: From Pharmaceuticals to Biofuels
184. Johncy. K., Praveen Kumar, R. and N. Thajuddin - *Chlorella* sp. LPVMA2, a potential candidate for biodiesel production.
185. Mahalakshmi, G., Shameera, K., Praveen Kumar, R. and N. Thajuddin - Development of axenic unicellular microalgae NTRPO1 and NTRPO2 and studies with their associative bacterial communities.
186. *Mubarak Ali, D and N. Thajuddin - **Morphological, biochemical and molecular characterization of marine cyanobacterium, *Phormidium tenue* NTDM05.**
187. Mari Nivetha, T., Shenbagavalli, T., Mubarak Ali, D. and N. Thajuddin - 18S rDNA sequence characterization of the marine diatom, *Cymbella tumida*.
188. *Praveen Kumar, R., Johncy, K. and N. Thajuddin - **Investigations on the effect of nitrogen depletion on growth and lipid accumulation in a filamentous branched microalga.**
189. Shameera, K., Mahalakshmi, G., Praveen Kumar, R. and N. Thajuddin - Effects of various stress conditions on growth and lipid accumulation in microalgae.
190. Shenbagavalli, T., Mari Nivetha, T., Mubarak Ali, D and N. Thajuddin - Antibacterial properties of lipid extracts from *Scenedesmus bijugatus* var *bicellularis*.
191. *N. Thajuddin and G. Subramanian - Biotechnological applications of Marine Cyanobacteria.
56. **National symposium on Marine Plants** - Jointly organized by CAS in Marine Biology, Annamalai University, parangipettai & Seaweed Research and Utilization Association, Mandapam on September 23 – 25, 2010.
192. Shenbagavalli. T, Mari Nivetha. T, Mubarak Ali, D. and N. Thajuddin - The effect of nitrogen starvation on growth and lipid in *Scenedesmus bijugatus* var *bicellularis*.
193. Mubarak Ali, D., Mari Nivetha, T., Shenbagavalli, T., Parveez Ahamed, A. and N. Thajuddin - Exploration of 18S rDNA sequence characterization of the marine and fresh water diatom, *Synedra* sp.
194. Vijayan, D., Muralitharan, G. and N. Thajuddin - Characterization of tRNA^{fMet} Group I self-splicing Introns in Cyanobacteria.

195. N. Anandakumar and N. Thajuddin - Antibacterial effects of marine Hypotrichous Ciliate, *Euplotes crassus* against human pathogens.
196. Ilavarasi. A. and N. Thajuddin - Studies on fatty acid profile of marine microalgae under stress condition.
197. Praveen Kumar, R., Mubarak Ali, D., and N. Thajuddin - Analysing the efficiency of Fourier Transform Infrared Spectroscopy (FT-IR) as a tool for taxonomic discrimination of cyanobacteria.
198. Rajeshwari. K., Satheesh Kumar, M. and N. Thajuddin - Removal of Pb(II) by immobilized and free cells of marine *Oscillatoria* sp. NTMS01 and *Phormidium* sp. NTMS02.
199. Shameera, K., Mahalakshmi, G., Praveen Kumar, R. and N. Thajuddin - The effects of illumination at various intensities on the growth and lipid accumulation in microalgae.
200. Parveez Ahamed, A., Mubarak Ali, D. and N. Thajuddin - Mutation based studies on Nitrate Reductase (NR) gene in *Chlorella* sp., NTMP04.
201. Mahalakshmi, G., Shameera, K., Praveen Kumar, R. and N. Thajuddin - Molecular Characterization of Cultivable Epiphytic bacterial Communities on Green algae.
202. Arvind Kumar R and N Thajuddin - Biodiversity of Marine Microalgal population from Manora coast, Tamilnadu.
57. **National Seminar on “Recent Trends in Microbial Technology with Special Reference to Extremophiles”** Organized by the Department of Microbiology, Periyar University, Salem 636 011 on October 21 & 22, 2010.
203. Muralitharan, G. and N. Thajuddin - Extremophilic Cyanobacteria – A potential candidate for bioremediation.
204. ***Baldev, E., Lewis Oscar, F., Mubarak Ali, D. and N. Thajuddin – Preliminary Screening for the efficiency of Microalgae on dye decolouration.**
205. ***Mubarak Ali, D. Reehana, N. and N. Thajuddin – Molecular, Biochemical and Biotechnological characterizations of c-phycoyanin from marine cyanobacterium *Spirulina subsalsa* NTDM21.**
58. **National seminar on "The Impact of Climate Change on Biodiversity"** Organized by the Department of Plant Science, Kanchi Mamunivar Centre for Post Graduate Studies, Pondicherry. January 21-22, 2011
206. ***Ilavarasi. A and N. Thajuddin - Partial Characterization of *Chlorella* sp. GU186909 and *Monoraphidium* sp. HM768826 for its lipid content with reference to biodiesel production.**
59. **National Conference on Biodiversity: Richness, Uses, Threats and Conservation.** Organized by the Department of Biology, The Gandhigram Rural Institute – Deemed University, Gandhigram 625 302, January 19 – 21, 2011.
207. Anandakumar, Thajuddin, N. and Muralitharan, G. Physico-chemical properties, seasonal variations in species composition and abundance of microzooplankton in Gulf of Mannar, India.
60. **National Conference on “Recent Advances in Mycology Research”** organized by Centre for Advanced Studies in Botany, University of Madras, Chennai – 600 025, 8-9 February, 2011.
208. Mubarak Ali, D., Leo Antony, M., Mari Nivetha, T., Shenbagavalli, T., Parveez Ahamed, A., Praveen Kumar, R. and N. Thajuddin. PCR based sequence analysis of internal Transcribed Spacers (ITS) in *Trichoderma viride* isolated from mushroom.
61. **National seminar on “Application of Nanotechnology in current Agricultural Practises”** organized by Dr. Zakir Hussain College, Ilayangudi – 630 702 jointly with Ganapathy College of Engineering, Paramakudi, Ramnad District. On 9 – 10, February, 2011.

209. ***Karthiga Devi, K., Reehana, N., Mubarak Ali, D., Santhosh, R. and N. Thajuddin. Bio and chemical synthesis of nanoparticles and antimicrobial activity against isolated plant pathogens.**
210. ***Mubarak Ali, D., Santhosh, R., Divya, C. and N. Thajuddin. Studying structural nonopattern of the diatom by Scanning Electron Microscopy (SEM).**
63. **National Symposium on “Prospects and Retrospects in Microbial Technology”** organized by the Department of Microbiology and Biotechnology, Cauvery College for Women, Tiruchirappalli 620 018 jointly with the Department of Microbiology, Bharathidasan University, Tiruchirappalli 620 024 on February 17 & 18, 2012.
211. Suresh, A., Dhanasekaran, D. and N. Thajuddin. Biodiversity of Microalgae from Theni District, Tamilnadu, India.
212. Reehana, N., Mubarakali, D. and N. Thajuddin. Sequence based *in silico* analysis of C Phycocyanin gene from the cyanobacterium *Oscillatoria salina* NTDM51.
213. Praveenkumar, R., Mahalakshmi, G., Shameera, K. and N. Thajuddin. Molecular diversity of cultivable epiphytic bacterial communities on *Chlorella* sp.
214. Kannan, K., Vijayan, D., Mubarakali, D., Praveenkumar, R. and N. Thajuddin. Characterization of Phycoerythrin pigment from the *Anabaena variabilis* NTVMK03 isolated from *Azolla*.
215. Parveez Ahamed, A., Jayamitra, R., Mohammed Shahin, S.A., Anandakumar, N. and Thajuddin, N. Molecular characterization of gastropod associated microorganisms and their antimicrobial property against clinical pathogens.
216. Ilavarasi, A., Mubarakali, D., Praveenkumar, R. Baldev, E., Sivaranjani, M. and N. Thajuddin. Effect of various media on the growth and total chlorophyll content of fresh water microalgae.
217. Vijayakumar, R., Thajuddin, N. and A. Panneerselvam. Antimicrobial potentiality of *Streptomyces matensis* VPTS32 – A marine actinomycete isolated from Palk Strait of Bay of Bengal, South India.
218. Arvind Kumar, R., Suresh, A., Lewis Oscar, F. and Thajuddin, N. Biodiversity of microalgae in the Palk strait region of Bay of Bengal, India.
64. **National Conference on “Recent Advances in Algal Biotechnology (NCRAAB - 2012) & M O P Iyengar Quasiquicentennial Year Celebration”** organized by CAS in Botany, University of Madras, Guindy, Chennai – 600 025 on 16 & 17 February, 2012.
219. Jayashree Rout, Dharitri Borah and N. Thajuddin. Cyanobacterial communities inhabiting Jhumland ecosystems of Assam, India.
65. **National conference on Microbiological Research in 21st Century**, organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on February 27 & 28, 2012.
220. Manivannan, N., Thilagavathy Daniel and N. Thajuddin. A study on vermicompost microflora of *Eudrilus eugleniae* using leaf litters.
221. Arvind Kumar, R., Suresh, A. and N. Thajuddin. Biodiversity of marine microalgal population from Manora Coast, Tamilnadu.
222. Vijayan, D., Muralitharan, G. and N. Thajuddin. Characterization of tRNA^{fmet} Group I self-splicing intron in cyanobacterium *Oscillatoria* sp. NTDV18.
223. Suresh, A., Dhanasekaran, D. and N. Thajuddin. Biodiversity of microalgae from Theni District, Tamilnadu, India.
224. Mohammed Shahin, S.A., Parveez Ahamed, A. and N. Thajuddin. Antimicrobial activity of Actinomycetes isolated from Myanmar Against Multi drug resistant *Pseudomonas* sp.
225. Praveenkumar, R., Johncy, K.M MubarakAli, D., Vijayan, D. and N. Thajuddin. *Stigeoclonium* sp. Kutz.BUM11007: A New source of lipids for biodiesel production.

226. Ilavarasi, A., Hajira Fathima, S. and N. Thajuddin. Effect of chicken Manure on growth and biochemical composition of microalga, *Chlorella* sp.
66. **National Seminar on “Recent Trends and Future Prospects of Biodiversity and Conservation”** organized by the Department of Botany and Zoology, Sree Narayana College, Kollam – 691 305, Kerala State on March 15 – 16, 2012.
227. Suresh A., Dhanasekaran, D. and N. Thajuddin. Biodiversity of Microalgae from Teni District, Tamilnadu, India.
67. **State level seminar on “Emerging Advancements in Biosciences”** organized by the Department of Microbiology & Biotechnology, Jamal Mohamed College, Tiruchirappalli – 620 020 on 17th March 2012.
228. ***Ilavarasi, A., Hajira Fathima, S. and N. Thajuddin. Effect of dried chicken manure on growth and total protein content of microalga, *Chlorella* sp.**
229. Parveez Ahamed, A., Mohammed Shahin, M.A., * Peer Muhamed Noorani, K. and N. Thajuddin. Phenotypic detection of ESBL producers from gram negative bacteria using combination disc method.
230. Reehana, N., Rosy Preethi J*, Mubarak Ali, D., Parveez Ahamed, A and N. Thajuddin. Extraction and Estimation of Phycobiliprotein from Cyanobacteria *Oscillatoria salina* NTDM51 and *Oscillatoria chlorina* NTDM56.
231. ***Mubarak Ali, D. and N. Thajuddin. Biological Synthesis of Gold Nanoparticles and its Biomedical applications.**
68. **National Seminar on “Forest Health Management (FHM - 2012)”** organized by Institute of Forest Genetics and Tree Breeding, Coimbatore 641 002, on March 21 – 22, 2012.
232. Rajalakshmi, S., Thajuddin, N. and V. Jeyakumar. Salt tolerance and nitrogen fixing properties of *Rhizobium* spp. associated with wild legumes found in coastal and forest areas of Andaman & Nicobar Islands.
69. **National Seminar on “Role of Microbes in Health, Agriculture and Industry”** organized by the Department of Biotechnology, Alagappa University, Karaikudi – 630 003 on March 26 – 27, 2012.
233. Mohamed Imran, M., Dhanasekaran, D., Muralitharan, G. and N. Thajuddin. Anaerobic degradation of plant fibres in ruminants.
234. Reehana, N., Parveez Ahamed, A., Soundarajan, S. and N. Thajuddin. Molecular phylogenetic and computational analysis of c-phycoyanin gene from cyanobacterium *Phormidium rubroterricola* NTRI02.
235. Parveez Ahamed, A., Mphammed Shahin, S.A., Arvind Kumar R., Muhamed Norani, P. and N. Thajuddin. Screening of Metallo- β -lactamase producers including multi drug resistant bacteria isolated from burn patients.
236. Syed Jahangir, H., Gheetha, T. and N. Thajuddin. Soil actinobacteria induced biotransformation of butachlor (Herbicide).
237. Pandiaraj, D., Sharmilabanu, K., Soundarajan, S., Mubarak Ali, D. and N. Thajuddin. Isolation and biotechnological applications of fresh water cyanobacteria from Myanmar.
70. **National Conference on “Microbial Technology for Sustainable Development”** organized by the Department of Biology, The Gandhigram Rural Institute - Deemed University, Gandhigram - 624 302 on February 1 & 2, 2013.
238. Ilavarasi, A., Renuka, J., Naveena, V., Indraprasad, V. and N. Thajuddin. Experimental evidence on crude oil degradation by microalgae *Chlorococcum* sp.
239. Ilavarasi, A., Naveena, V., Kartheeswari, M.P. and N. Thajuddin. Study on biological degradation of monocrotophos by microalga, *Selenastrum* sp. isolated from paddy field.
71. **National Symposium on “Fundamental and Applied Phycology”** Organized by the Department of Botany, Punjabi University, Patiala – 147 002 During March 25 – 26, 2013.

240. Arvind Kumar, R. and N. Thajuddin. Biodiversity of Marine Microalgae from Manora Coast, Palk Strait, Tamilnadu.
241. Baldev, E., Mubarakali, D., Pandiaraj, D., Arunkumar, J., Harish Nag, K., Sheik Syed Ishack, K.A. and Thajuddin N. Gold Nanoparticles from Pro and Eukaryotic Photosynthetic Microorganisms - Comparative studies on Synthesis and its application on Biolabelling.
242. Lewis-Oscar, F., Praveenkumar, R. and N. Thajuddin. Bioethanol production with microalga *Stigeoclonium* sp. Kütz. Bum11007 cultivated in domestic wastewater.
243. Pandiaraj, D., Ilavarasi, A., Mubarak Ali, D, Mohammad Ilyas. M. H. and N. Thajuddin. Evaluation of efficient extraction methods for recovery of photosynthetic pigments from microalgae.
244. Parveez Ahamed, A. A. and N. Thajuddin. Screening of ESBL inhibitor from indigenous cyanobacteria against MDR associated TEM, SHV and CTX-M Genes carrying Gram Negative Bacteria.
245. Praveenkumar, R., Lewis-Oscar, F., Cinna Raju, R. and N. Thajuddin. Outdoor semicontinuous cultivation of *Chlorella* sp. BUM11008 for biodiesel production.
246. ***Reehana, N., Parveez Ahamed, A. and N. Thajuddin. Phylogenetic characterization and homology modelling of C-Phycocyanin gene from *Oscillatoria nigroviridis* NTRI01.**
247. Santhoshkumar. S., Kala. K. and Thajuddin. N. Freshwater microalgal biodiversity from different agricultural fields in Karur District (Tamilnadu) India.
248. Suresh, A., Arvind Kumar, R., Praveen Kumar, R., Rajesh, K., Gopinath, P.M. Dhanasekaran, D. and N. Thajuddin Diversity and ecobiological evaluation of fresh water microalgae in lentic aquatic habitats in Teni District, Tamilnadu.
249. Muralitharan, G., Vijayan, D. and N. Thajuddin. Phylogeny of tRNA^{fmet} gene Group I Self-Splicing Intron in *Azolla* sp. associated Cyanobacteria.
- 72. National Seminar on “Microbe and Human Welfare”** Organized by the National Academy of Biological Sciences (NABS) jointly with The Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 at Bharathidasan University during July 20 – 21, 2013.
250. Manivannan, N., Thajuddin, N. and D. Thilagavathy. Evaluation of vermicast microflora of *Eudrilus eugeniae* using leaf litters of *Tephrosia purpureae*.
251. Mubarak Ali, D. and N. Thajuddin. Synthesis and characterization of copper nanoparticles for effective antibacterial property to clinically isolated multi drug resistant microorganisms.
252. Baldev, E., MubarakAli, D. Pandiaraj, D. and N. Thajuddin. Nanofabrication of gold nanoparticles to cotton for the development of dying in textile industry- A novel approach.
253. ***Praveenkumar, R. Lewis-Oscar F. and N. Thajuddin. Outdoor semicontinuous cultivation of *Chlorella* sp., BUM11008 for biodiesel production**
254. Vijayakumar, R. Panneerselvam, A. and N. Thajuddin. Diversity of bioactive compound producing marine actinobacteria from Palk Strait region of Bay of Bengal during Tsunami Era December 2004: A Survey.
255. Arvind Kumar R. and N. Thajuddin. Biodiversity of marine microalgal population from Manora Coast of Tamil Nadu.
256. ***Reehana, N. Suresh, A. Parveez Ahamed A and N. Thajuddin. Biodiversity of microalgae in the Puliyanthangal lake of Ranipet of Tamil Nadu (India).**
257. Santhoshkumar, S., Kala, K. and N. Thajuddin. Freshwater microalgal biodiversity from Paddy fields in Tiruchirappalli District of Tamil Nadu.

258. Parveez Ahamed, A. Arjun, A. Reehana N. and N. Thajuddin. Extensive cefepime resistant gram-negative bacteria isolated from burned patients: Implication for CTX-M gene analysis.
- 73. National Conference on “New opportunities and challenges in microbial research”** Organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 during September 5 & 6, 2013.
259. Manivannan, N., Thajuddin, N. and D. Thilagavathy. Studies on microflora in vermicompost of *Eudrilus eugeneae* using leaf litters.
260. Suresh, M., Rath, P.K., Panneerselvam, A., Anchanadevi, C., and N. Thajuddin. Incidence of opportunistic fungal infections in HIV/AIDS patients accordance to various stages of CD4 count and viral load in people in and around Trichy.
261. Santhakumari, S., Karutha Pandian, S., Thajuddin, N. and A. Veera Ravi. Anti-quorum sensing properties of marine cyanobacteria against aquatic bacterial pathogen *Vibrio harveyi*.
262. Chinnaraju, R., Baldev, E., MubarakAli. and N. Thajuddin. Exploration of CO₂ sequestration potential of microalgae for biofuel production.
263. **Sivasankara Narayani, S., Reehana N. and N. Thajuddin. Various environmental Stress conditions for the production of mycosporin like amino acids by *Oscillatoria boryana* NDRI12**
- 74. National Seminar on “Recent trends in applied algal research” and “23rd Founding day celebrations of Krishnamurthy Institute of Algology”** organized by Krishnamurthy Institute of Algology, Chennai - 600 040 and Centre of Advanced Study in Botany, Guindy Campus, University of Madras, Chennai - 600 025 during September 21 & 22, 2013.
264. Baldev, E, Pandiaraj, D and N. Thajuddin. Preliminary screening and partial characterization of microalgae for biobutanol production
265. Pandiaraj, D., Baldev, E., Thajuddin, N and M.H. Muhammed Ilyas. 16S rDNA gene characterization and biotechnological application of marine cyanobacterium, *Phormidium persicinum* NTDP1
266. **Baldev, E. Shriraman, R.V., Lavanya, R., Pandiaraj, D., MubarakAli, D and N. Thajuddin. Efficient extraction and partial characterization of cyanobacterial exopolysaccharide (EPS) for flocculation activity**
267. Vijayan, D., Muralitharan, G. And N. Thajuddin. Probing the phylogeny of Group I Self-Splicing Intron in tRNA^{fmet} gene from cyanobacteria as a molecular marker.
- 75. National Conference on “Frontiers in Algology and Algal Biotechnology (NCFAAB)”** organized by the Vishva-Bharathi (A Central University), Santiniketan - 713 235 during November 15&17, 2013.
268. Thajuddin N. - Morphological, Biochemical and Molecular Phylogeny of Cyanobacteria
269. Parveez Ahamed A., Gayathri, M., Akbarshah M.A. and Thajuddin N.- *In vitro* toxicology of *Oscillatoria acuminata* NTAPC05 methanol extract in HepG2 and HEK293 cell lines - Implication for anticancer property
270. Lewis-Oscar, F., Nithya, C., Nithya, K. and N Thajuddin - Antibiofilm activity of *Spirulina platensis* against *Pseudomonas aeruginosa*
271. Suresh, A., Dhanasekaran, D. and N. Thajuddin - Algal diversity and bio-indication of water habitat in Theni District, Tamilnadu
272. Arvind Kumar, R. and N. Thajuddin - Biodiversity of Marine Microalgae from Manora coast, Tamil Nadu
273. Vijayan, D., Muralitharan, G. and N. Thajuddin - Screening of endonuclease coding gene within Group I Intron in tRNA^{fmet} gene from cyanobacteria

274. Baldev, E, MubarakAli, D., Pandiaraj, D., Lavania R.M, and N. Thajuddin- Optimization of various parameters for the utilization of microalgal carbohydrate as a sustainable source for biobutanol production.
275. Thangaraj R., Suresh A., Dhanasekaran D. and N. Thajuddin - Antimicrobial activity of Cyanobacterial Fatty Acid Methyl Esters (FAME)
276. Manivannan, K., Anantharaman, P .and N. Thajuddin- Biodiesel production from marine macroalga *Ulva fasciata*
277. **Reehana, N., Sivasankara Narayani, S., Mohamed Imran, M. and N. Thajuddin Optimization and characterization of Scytonemin produced by *Oscillatoria boryana* NTRI09 and *Geitlerinema pseudacutissimum* NTRI18.**
- 76. National Conference on “Recent Advances in Algology, Mycology and Plant Pathology (NCRAAMPP - 2014)”** organized by the Centre for Advanced Studies in Botany, Guindy campus, Chennai - 600 024 during February 19 - 20, 2014.
278. **Lewis-Oscar, F., Nithya, C. and N. Thajuddin - Quorum sensing inhibition efficiency of *Chroococcus* sp.**
279. Arvind Kumar, R. and N. Thajuddin - Biodiversity of Marine Microalgal population from Manora coast, Tamil Nadu.
280. Baldev. E, Mubarak Ali. D, Pandiaraj. D and N. Thajuddin - Characterization of growth and lipid content of the diatom *Cymbella* sp.
281. Pandiaraj. D, Baldev. E, Mubarak Ali. D, Muhammed Ilyas M. H and N. Thajuddin - C-Phycoerythrin pigment production from selected marine cyanobacteria
282. Parveez Ahamed, A., Mohamed Imran, M and N. Thajuddin - Antioxidant property and toxicity analysis of marine cyanobacterium *Oscillatoria acuminata* NTAPC05
283. Vijayan, D., Nithya, C. and N. Thajuddin Development of new specific primers to investigate the cyanobacterial 16S Ribosomal RNA gene.
- 77. National Conference on “Recent trends in Bioprospecting of Plants”** organized by the Department of Plant Sciences, Bharathidasan University, Tiruchirappalli – 620 024 during March 28 – 29, 2014.
284. Manivannan, N., Thajuddin, N. and Thilagavathy Daniel – Studies on the effect of biofertilizer enriched vermicompost in enhanced crop production.
- 78. National Conference on Progress in Algology in the Indian Context”** jointly with the Krishnamurthy Institute of Algology, Chennai at Bharathidasan University, Tiruchirappalli – 620 024 during September 19 – 21, 2014
285. Santhoshkumar S., Kala K. and Thajuddin.- Microalgal biodiversity from Akash Ganga falls (Kolli Hills) Namakkal district (Tamilnadu) India.
286. Dhivya, M. Baldev. E and N. Thajuddin - Screening of microalgae for biodiesel production coupled with nutrient removal from domestic sewage.
- 287. Kanimozhi, M. Baldev E. and N. Thajuddin - Exploration of diatoms for their efficiency as a feedstock for biodiesel production.**
288. Lewis-Oscar, F. Nithya, C. Bakkiyaraj, D, Arun Kumar, M. and N. Thajuddin - Antipathogenic potential of *Chlamydomonas* sp against. *Pseudomonas aeruginosa*.
- 289. Baldev, E. Mubarakali, D, Pandiaraj D. and N. Thajuddin - Screening and optimization studies on biomass production, harvesting and lipid extraction from microalgae for biodiesel production.**
290. Dharitri Borah, Jayashree Rout and N. Thajuddin- Polyphasic characterization of *Nostoc commune* (Cyanobacteria, Nostocaceae) isolated from rice growing agro-ecosystems of Dima Hasao district of Assam, North-East India.

291. Reehana, N. Parveez Ahamed, A. Julie, A. and N. Thajuddin - Biochemical and molecular characterization of selected cyanobacterial strains isolated from Vellore.
292. Sumathy S, Muralitharan G, and N. Thajuddin - Molecular characterization of nitrogen and hydrogen producing genes from *Trichodesmium* sp.
293. Veera Ravi, A., KaruthaPandian, S. and N. Thajuddin - Quorum Sensing Inhibitors from Microalgae-“Green Gold” for the Future Therapeutic Agents.
- 79. National Symposium on Mycological Research – Emerging Trends, Applications and Prospects & 41st Annual Meeting of Mycological Society of India** organized by the Department of Botany, Punjabi University, Patiala 147 002 during February 23 - 24, 2015.
294. M. Narayanasamy, D. Dhanasekaran and N. Thajuddin – Isolation, characterization and bioleaching of metals from E-waste using acidophilic fungi.
295. Selvakumar, V. Panneerselvam, A., Thajuddin, N. and Suresh, M.- Endophytic fungi assemblages in mangrove plants of *Rhizophora mucronata* and their antibacterial activity against extended spectrum β -Lactamases producing (CTX-M type) *Escherichia coli*.
296. Thangaraj, R., Dhanasekaran, D. and Thajuddin, N. – Fungal biosynthesis, characterization and Mosquito larvicidal properties of silver nanoparticles.
297. Vinothini, G., Latha, S., Dhanasekaran, D. and Thajuddin, N. - Mutagen impact on Oyster Mushroom *Pleurotus eous* APK1 for improvement of nutritional composition.
- 80. National Symposium on “Algae for Human Welfare”(AFHW 2015)** organized by Department of Botany and Microbiology, Pithapur Rajah’s Govt. College, Kakinada 533 001 Andhra Pradesh during August 19-21, 2015.
298. Dharitri Borah, Jayashree Rout & Nooruddin Thajuddin - *Cylindrospermum muscicola* (Nostocales, cyanobacteria) from terrace paddy field soil of Assam, North-East India: morphological, biochemical and molecular studies.
- 299. M. Lavania Ramachandran, E. Baldev and N. Thajuddin - Extraction and Optimization of Exopolysaccharide (EPS) from Cyanobacteria with special reference to their biotechnological applications.**
300. Felix Lewis Oscar, Chari Nithya, Manivel Arunkumar, Marimuthu Prabakaran, Nooruddin Thajuddin - Exploring the biofilm inhibitory potentials of *Oscillatoria* sp. against *Pseudomonas aeruginosa*.
301. Abdulazees Parveez Ahamed and Nooruddin Thajuddin - Screening and identification of anti-ESBL bacterial compound MGDG- Palmitoyl from cyanobacterium *Oscillatoria acuminata* NTAPC05; in vitro killing effect tested against high level resistant ESBL- *E. coli*.
302. G. Narchonai and N. Thajuddin - Microalgal biodiversity of selected Temple Ponds in Puducherry, South India.
303. D. Pandiaraj, E. Baldev, R. Thangaraj, D. Mubarakali, M.H. Mohamed Ilyas and N. Thajuddin - CO₂ sequestration using hyper saline microalgae - selection and optimization.
304. Santhoshkumar. S., Kala .K. and Thajuddin. N. Seasonal variation and biodiversity of diatoms in the hyper saline environment of Periyapattinam, Tamil Nadu.
305. Seema, R. Beema Shafreen and N. Thajuddin - Exploration of *Nitzschia palea* silver nanoparticle against ESBL producing gram negative pathogens (**Poster**)
306. R. Thangaraj, S. Santhoshkumar, D. Dhanasekaran and K. Kala and N. Thajuddin - Morphological and Biochemical Characterization of *Anabaena variabilis* NTSS17 and its Application in Nanotechnology

307. E.K.Aswini Priya, R. Beema Shafreen and N.Thajuddin - Characterization of water soluble pigments and their antipathogenic effects and toxicity assessment using *Artemia* as model system.
- 81. National conference on Advances in Biological and Environmental Sciences** organized by Department of Biology, Gandhigram Rural Institute-Deemed University Tamilnadu India on 25-26, February 2016.
308. F. L. Oscar, C. Nithya and **N. Thajuddin**. Antibiofilm potential of *Oscillatoria subuliformis* against *Pseudomonas aeruginosa*.
- 82. National Seminar on Frontiers in Biosciences** organized by Department of Microbiology and Biotechnology, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu on March 5, 2016.
309. R. Thangaraj, D. Pandiaraj and **N. Thajuddin**. Scale Up Cultivation of hypersaline *Chlorella* sp. from Indoor and Outdoor for biodiesel production
- 83. National Conference on Basic and Applied Researches in Plants and Microbes** organized by Department of Botany, Punjabi University, Patiala – 147 002, Punjab on November 3 – 5, 2016.
310. MubarakAli, D., Kumaravel, S., Baldev, E. and **N. Thajuddin** – Microalgal Fuel Cells mediated Electricity production using fresh water microalga *Coelastrella terrestris*.
311. Suresh, A. and **N. Thajuddin** – Influence of Environmental variables on Diatom species diversity in the freshwater ponds in Nagarkoil, Kanyakumari District.
312. Borah, D., Priyanga, S., Baldev, E., Rout, J. and **N. Thajuddin** – Differentiation of *Nostoc commune* strains based on PCR Finger printings (RAPD, STRR and M13).
313. ***Lavania, R. and N. Thajuddin – Diversity of Microalgae from Todupuzha water bodies, Kerala.**
314. Arutselvan, C., Baldev, E., MubarakAli, D. and **N. Thajuddin** – Growth assessment and screening of microalgae for Biodiesel production.
315. Arunkumar, M., Divya, S., Lewis Oscar, F., Nithya, C. and **N. Thajuddin** – Anti-adhesion activity of Cyanobacterial exopolysaccharide against *P. aeruginosa* and *Klebsiella* sp.
316. Vijayalakshmi, S., Panneerselvam, A. and **N. Thajuddin**. – Diversity of endophytic fungi from pneumatophore and leaves of *Avicenia marina* in Muthupettai mangroves of Tamil Nadu.
- 84. National Conference on Algal Biology and Biotechnology** organized by Department of Biotchnology University of Madras, Chennai – 600 025 jointly with Krishnamurthy Institute of Algology, Chennai – 600 040 November 24 – 26, 2016
317. Felix LewisOscar, Chari Nithya, Marimuthu Prabhakaran, **Nooruddin Thajuddin**- Attenuation of quorum sensing controlled *Pseudomonas aeruginosa* PA14 biofilms using cyanobacteria derived Palmitic and Oleic acid
318. Santhosh Kumar, S., Kala, K., Jeyaprakash, R., Velayutham, P. and **Thajuddin. N** - Effect of cyanobacterial extracellular products on tuber induction from the callus and shoot formation of *Gloriosa superba* L.
319. Baldev, E., MubarakAli, D., Arutselvan, C and **N. Thajuddin**- Microalgal biomass and lipid production using waste water as nutrients for biodiesel production
320. Thangaraj Rand **N. Thajuddin** - Optimization of different media for growth and biomass production of fresh water microalga *Chlorella* sp. isolated from Thiruverumbur Lake, Tiruchirappalli, Tamil Nadu
321. Pandiaraj D., Baldev, E. SureshA, Mubarak Ali, D., Mohamed Ilyas M. H. and **N. Thajuddin** - Influence of Environmental variables on Microalgal species diversity in the Mandapam Coast, Gulf of Mannar, Tamilnadu
322. Narchonai G. and **N. Thajuddin** - Effect of 2, 4-dichlorophenoxy acetic acid (2, 4-D) on *Chlorococcum humicola*

85. **National Conference on “Biodiversity, Biology and Biotechnology of Algae (NCBBBA-2017)”** organized by Centre for Advanced Studies in Botany, University of Madras, Chennai – 600 025 on January 9 – 10, 2017.
323. Baldev, E., Arutselvan, C., MubarakAli, D. and N. Thajuddin - Microalgal Biomass and Biodiesel Production using Raceway Pond System.
324. LewisOscar, F., Nithya, C., Prabhakaran, M. and N. Thajuddin - Attenuation of quorum sensing controlled *Pseudomonas aeruginosa* PA14 biofilms using cyanobacteria derived Palmitic and Oleic acid.
325. Shakena-Fathima, T., Baldev, E., MubarakAli, D., and N. Thajuddin - Development of *Synechococcus elongatus* NRMC-F101 axenic culture using Gas plasma.
326. A. Suresh, E. Baldev, D. Dhanasekaran and N. Thajuddin - A taxonomic study of the freshwater Cyanobacteria - a polyphasic approach.
327. Dharitri Borah., Gayathri, R., Baldev, E., Jayashree Rout and N. Thajuddin - Production and characterization of released exopolysaccharide from *Nostoc muscorum* isolated from Assam, North-East India.
328. Thangaraj, R. and Thajuddin, N. - Biochemical analysis of *Nitzschia* sp. isolated from paddy field, Sooriyur, Tiruchirappalli.
329. Narchonai, G. and N. Thajuddin - Impact of 2, 4-dichlorophenoxy acetic acid (2, 4-D) on *Chlorococcum humicola*- a freshwater green alga.
330. MubarakAli, D., Shajidha Banu, J and N. Thajuddin - Screening and quantification of carbonic anhydrase producing microalgae.
331. Reehana, N., Mohamed Imran, M., Parveez Ahamed, A. and N. Thajuddin - Biodiversity and Molecular Characterization of Microalgae in the Kalavai Lake, Vellore, Tamil Nadu (India).
86. **10th NABS National Conference on “Recent Trends in Life Sciences : Research, Practice and Applications for Sustainable Development”** organized by the Departments of Botany and Zoology, Bharathiar University, Coimbatore and National Academy of Biological Sciences, Chennai on September 7 – 8, 2017.
332. ***Lavania R. and N. Thajuddin - Cyanobacterial Exopolymeric Substances: Characterization to Applications**
87. **National Conference on Algal Diversity, and Resource Status: Current Trends in Utilization and Prospects for Innovation** organized by PG & Research Department of Botany & Marine Ecology and Conservation Lab, PG & Research Department of Zoology, V.O. Chidambaram College, Tuticorin – 628 008 jointly with Seaweed Research & Utilization Association & Krishnamurthy Institute of Algology on September 21 – 23, 2017.
333. Suresh, A. and N. Thajuddin – Studies on plant growth promotion and its partial characterization of two heterocystous cyanobacteria for improving food grains.
334. Surendra Singh, Ankita Kachhwaha and Nooruddin Thajuddin – Influence of photoperiod on the growth and lipid content of *Dunaliella salina*.
335. Arutselvan, C., Baldev, E., Mubarak Ali, D. and N. Thajuddin – Diversity and selection of potential microalgae from Betel fields of Karur District for biodiesel production.
336. SanthoshKumar S., Mubarak Ali, D., Kala, K. and N. Thajuddin – Microalgal diversity from Suruli Falls at Teni District, Tamil Nadu, India.
337. Narchonai, G. and N. Thajuddin – Evaluation of cell disruption strategies for efficient starch extraction from fresh water microalga *Chlorococcum humicola* for biobutanol production.

338. Thangaraj, R., SanthoshKumar. S. and N. Thajuddin – Microalgae diversity from different fresh water ponds around Karaikudi, Tamil Nadu.
- 88. National Conference on “Recent Advances in Modern Biology and Rural Development” (RAMBARD-2017)** organized by the PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi – 613 503, Thanjavur Dt. in collaboration with the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on October 5 & 6, 2017.
339. Manivel Arun Kumar, Nooruddin Thajuddin and Chari Nithya - Attenuation of *Vibrio* spp biofilm formation through C-phycoerythrin pigment and pigment mediated synthesized silver nanoparticles
340. Baldev, E., Arutselvan. C., MubarakAli, D., and N. Thajuddin - Raceway pond cultivation and biofuel production from *Chlorella vulgaris*
341. Deepa. K. P, Panneerselvam, A. and Thajuddin, N - Bioremediation using a novel microalga on synthetic dye: Eriochrome Black T
- 342. Reehana, N., Mohamed Imran, M. and N. Thajuddin - Purification and Characterization of Phycocyanin from the efficient Cyanobacterial strains.**
343. A. Suresh and N. Thajuddin - Influence of Environmental variables on Diatom species diversity in the freshwater ponds in Nagarkoil, Kanyakumari district, Tamilnadu.
- 344. MubarakAli, D., Venkatesh, M., Shakena-Fathima, T., and N. Thajuddin- Development of *Synechococcus elongatus* NRMC-F101 axenic culture using Gas plasma.**
345. Arutselvan. C., Baldev, E. MubarakAli, D. and N. Thajuddin Isolation and assessment of potential microalgae from Betel fields of Karur District for biodiesel production
346. R. Lavania and N. Thajuddin - Sustainability of stabilization pond at Panjapur, Tiruchirappalli District for the microalgal biodiversity.
- 347. Felix LewisOscar, Chary Nithya, Nooruddin Thajuddin - Green synthesis of Silver Nanoparticles using *Spirulina platensis* against the biofilm of nosocomial pathogen *Pseudomonas aeruginosa***
348. G. Narchonai and N. Thajuddin - A Rapid method for extraction of starch from the microalga- *Chlorococcum humicola* for Biobutanol production
349. R. Thangaraj and N. Thajuddin - Optimization of culture conditions for Carotenoids production in Fresh water filamentous diatom *Fragilaria capucina*
350. M. Mohamed Imran, N. Reehana, N. Thajuddin and G, Muralitharan – Statistical optimization of exopolysaccharide production by efficient probiotic strain using Response Surface Methodology (RSM).
351. R. Vijayakumar and N. Thajuddin – Occurrence of tumour (Odontoma) in marine fish *Sphyraena jello* from the southern coast of India.
352. R. Krishnan, A. Panneerselvam, A. Ilavarasi and N. Thajuddin – Isolation of pigment producing halophilic bacteria from Marakkanam salt pans and evaluation of their antioxidant ability.
353. M. Nithya, V. Ambikapathy, A. Panneerselvam and N. Thajuddin – Diversity of *Ganoderma lucidum* (Curt.:FR) P. Karst. in subtropical area of Tamil Nadu and its productive effects on Mammary cells of DMBA induced Sprague Dawley rats.
- 88. Two day International Conference on Current trends in Life Sciences** – “Medicinal Plants and its therapeutics” organized by Kandasamy Kander’s College, Velur, Namakkal Dt. & Kongu College of Arts and Science Karur, Tamil Nadu, India, on 7th August 2018
354. Lavania, R. and Thajuddin N. – Phytoplankton as antioxidants: An exemplary study.

355. Santhoshkumar, S., Jeyaprakash, R., Karthick, C., Velayutham, P. Thajuddin, N. and Kala, K. – Antiproliferative potential of *in vivo* and *in vitro* tuber of *Gloriosa superba*, L. using A549 human lung cancer cell line.
356. Balaperiyasamy, B., Panneerselvam, A. and Thajuddin, N. – A study on anticancer properties of *Hypericum wightianum* Wall. Ex. Wight and Arn.
357. Shakena Fathima, T. Anju Majeed, and Thajuddin, N. – Augmenting antidiabetic and antiobesity activity of curcumin using *Spirulina platensis*.
358. Thangaraj, R. and Thajuddin, N. – Optimization of medium for biomass production of *Anabaena iyengari* and its synthesis of silver nanoparticle
- 89. National Seminar on “Recent Trends in Microbial Technology”** organized by the Department of Botany, Government college of Arts, Science & Commerce, Quepem, Goa – 403 705 on February 8 – 9, 2019.
359. Narayanasamy, M., Dhanasekaran, D., Rajkumar, J., Panneerselvam, A. and Thajuddin, N. – Antimicrobial potentials of *Frankia* spp. against phytopathogens from *Casuarina equisetifolia*.
- 90. 11th NABS – National Conference on Climate Change Driven Challenges on Indian Biodiversity: Innovative solutions for sustainable development** organized by Department of Microbiology, School of Life Sciences, Pondicherry University, Puducherry – 605 014 and National Academy of Biological Sciences, (NABS) Chennai – 600 025 on 25 – 27 September 2019.
360. Lavania, R., Narayanasamy, M., Kavitha, M.S. and Thajuddin, N. – Extracellular polymer profiling of *Nostoc microscopium* and *Calothrix desertica* with its antioxidant property assessment.
361. Narayanasamy, M., Rajkumar, J., Dhanasekaran, D. and Thajuddin, N. – Bioleaching of precious metals resource from e-waste printed circuit boards using *Frankia* spp.
- 362. Ishack, K.A.S.S. AnisAhamed, N., Ambikapathy, A., MubarakAli, D., Thajuddin, N. and Panneerselvam, A. – Development of Microbial consortium for wastewater treatments.**
- 363. PeerMohamed, K., Sobanaa, M. and Thajuddin, N. – Biodegradation of emerging pollutants using freshwater microalgae.**
- 91. Symposium on Biological diversity – National Perspective, Biodiversity Crisis, Concerns and Mitigation Approaches** organized by the Department of Biotechnology, Alagappa University, Karaikudi jointly with Bhabha Atomic Research Centre (BARK), Mumbai on 14th May, 2022.
- 364. Arutselvan, C., Fayaazuddin,, T. and Thajuddin, N. - Assessment of microalgal and cyanobacterial diversity and water quality in Betel vine (*Piper betle*) fields from Cauvery delta region (Karur District), India**
365. **Shakena-Fathima, T.,** Muralitharan, G. and Thajuddin, N. - Effective methods of inferring taxonomic resolution of different Oscillatoria strains using 16S rRNA gene sequences
366. **Soundararajan, S.,** Vishnu Chitthan, S. and Thajuddin N. - Diversity and ecobiology of Microalgae and Cyanobacteria from Bharathidasan University campus, Tiruchirappalli, Tamil Nadu.
367. **Vishnu Chitthan, S.,** Soundararajan, S. and Thajuddin, N. - Microalgae and cyanobacterial diversity analysis from selected places in South Tamil Nadu, India
- 92. Annual Conference of Microbiologists Society, India (MBSI)** with a theme of “**Biotechnology for Better Tomorrow**” jointly organized by the Department of Microbiology, Taywade College, Nagpur, India. on 22nd January, 2023
368. **Fayaazuddin, T., Dhanasekaran, D. and Thajuddin, N. - Catalytic and Anticancer Activity of MgO Nanoparticle (MgO-NPs) via Sol-Gel Technique**

***Papers received Best paper Award/ Cash Prize.**

***Papers presented by Dr. N. Thajuddin.**

25. Resource person in the refresher courses / Seminar/Symposia/Conferences

1. **Resource person** in UGC Sponsored Refresher Course for College and University Teachers on **Microbial Technology** -September, 12th to October 10th, 1990. Topic: **Algal Blooms**.
2. **Resource person** in UGC Sponsored Refresher Course for College and University Teachers on **Frontiers in Biosciences: Towards new millennium**, at Department of Animal Science, Bharathidasan University, Tiruchirappalli November 27, 1999. Topic: **Marine Cyanobacterial Biodiversity, Ecobiology, Molecular Taxonomy and Biotechnological applications**.
3. **Resource person** in the **Seminar on Recent Trends in Science**. Department of Zoology, Holy Cross College, Tiruchirappalli. January 13, 1999 - Topic: **Microbial biodiversity**.
4. **Resource person** in the **Seminar on Transgenic Technology**, P.G. Department of Microbiology, Ponnaiyah Ramajayam College, Thanjavur. July 27. 7. 2000. **Topic: Microbial Taxonomy and DNA Finger Printing**.
5. **Resource person** for the **Seminar in Microbiology** conducted at Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur on 3.3.2001. Topic: **Cyanobacterial biodiversity and Molecular Taxonomy**.
6. **Chief Guest** in the Inaugural Function of Microbiologist Association, Kurinji College of Arts and Science, Tiruchirappalli-620 002 and delivered a special lecture on **Cyanobacterial Taxonomy and DNA fingerprinting**, August 17, 2001.
7. **Resource person** in the seminar on **Recent Advances in Botany and Microbiology** conducted at AVVM Sri Pushpam College, Poondi, Thanjavur District on 10. 1. 2003. Topic: **Nucleic Acids – Modern Techniques**.
8. **Resource person** delivered a special lecture on **16S rRNA – a tool for Cyanobacterial Biodiversity**. In **12th Funding Day Celebrations of Krishnamurthy Institute of Algology**, Pachayappa College, Chennai, 10. 11. 2003.
9. **Resource person** in the seminar on ‘**BioGalaxy**’ conducted at Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur on 20. 2. 2003. Topic: **Polymerase Chain Reaction (PCR) Technology**.
10. Delivered **Guest lecture** titled “**Cyanobacterial Biodiversity (rRNA approach) and Biotechnological Applications**” in the seminar jointly conducted by PG Department of Microbiology and *Senspark - Science Club* of **STET Women’s College, Mannargudi** on 23.01.2004.
11. Delivered **Special lecture** titled “**Marine Biodiversity**” in the PG Department of Botany Association Meeting, **National College, Tiruchirappalli – 620 001** on 24.01.2004.
12. Delivered **Guest lecture** titled “**Marine Biodiversity - rRNA Approach**” in the ‘**In-House Training Program of Molecular Techniques**’ conducted by the Department of Biotechnology, **J.J. College of Arts & Science, Pudukkottai** on 11.02.2004.
13. Delivered a **Special lecture** titled “**Biodiversity and Biotechnological Application of Cyanobacteria**” in the inaugural function of ‘*Even Bloom Cyeniae – 2004*’ association of PG Department of Microbiology **Thanthai Hans Roever College, Perambalur** on 19.02.2004.
14. Delivered a **Special lecture** titled “**Molecular Aspects of the Marine Cyanobacterial Biodiversity**” in the guest lecture program conducted by **Jenner Club** and PG Department of Microbiology, **J.J. College of Arts & Science, Pudukkottai** on 20.02.2004.

15. Delivered a **Special lecture** titled “**Cyanobacterial Biodiversity**” in the vacation training programme on **Bioresources for School Children** (Sponsored by DBT, Govt. of India) at National Facility for Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli on 10.5. 2004.
16. Delivered a **Special lecture** titled “**Microbiology – A potential to be exploited**” in the inauguration function of **Science Association at Periyar Centenary Memorial Matriculation Higher Secondary School**, Tiruchirappalli on 30.06.2004.
17. Visited **Vivekananda College of Arts & Science for Women**, Tiruchengodu, Namakkal District, as a **Chief Guest** to inaugurate **TEAM-2K4, Microbiology Association** and delivered a **Special lecture** titled “**16SrRNA – A Tool for Microbial Biodiversity**” on 19.8.2004.
18. Delivered a **Special Lecture** titled “**Recent Trends in Microalgal Biodiversity – 16S rRNA approach**” at *National Level Seminar on Emerging Trends in Microbiology*, Sri Ramakrishna College of Arts and Science for Women, Coimbatore on August 24 – 25, 2004.
19. Delivered a **Special Lecture** titled “*Marine Biodiversity and Microbial Biotechnology*” at **Seminar on Marine Microbes and Medicine**” at **Ponnaiyah Ramajayam College**, Thanjavur on September 30, 2004.
20. Delivered **Valedictory Address** and a **Special Lecture** titled “**Microalgal Biotechnology**” at **Microgalaxy 2004** – a State Level Intercollegiate Competition in Microbiology, Srimad Andavan Arts and Science College, Tiruchirappalli. October 1, 2004.
21. Delivered a **Guest lecture** titled “**Microbial Biodiversity – 16S rRNA approach**” conducted by **Jenner Club** and Department of Microbiology, Cauvery College for Women, Tiruchirappalli on February 11, 2005.
22. As a Chief Guest delivered a **Special Lecture** titled “**Marine cyanobacteria – Biodiversity, Molecular Taxonomy and Applications**” in the Intercollegiate seminar on Microbiology at present - organized by Microbiology Association, Kongu College of Arts & Science College, Karur on February 16, 2005.
23. As a Chief Guest delivered a **Special Lecture** titled “**Cyanobacterial Biotechnology**” in the PG Department of Zoology Association Meeting, Jamal Mohammed College, Tiruchirappalli – 620 020 on March 2, 2005.
24. Visited K.S. Rangasamy College of Technology, Tiruchengode as a **Judge** to select the best paper presentation during **Tech Fete – 2005** programme on March 5, 2005
25. Delivered a **Guest Lecture** titled “**Spirulina production**” in the Entrepreneurship programme in Biotechnology, organized by P.R. Engineering College, Thanjavur on March 8, 2005.
26. Delivered **Valedictory Address** and a **Special Lecture** titled “**Microbial Biotechnology**” during One day State Level Seminar on *Importance of Microbes: Present and Future Scenario* organized by Karpagam Arts & Science College, Coimbatore on March 9, 2005.
27. As a chief Guest delivered a **Special Lecture** titled “**Cyanobacterial Biodiversity & Biotechnology**” in the Department of Microbiology Association Meeting, Kurinji College of Arts & Science, Tiruchirappalli on March 15, 2005.
28. As a Chief Guest delivered a **Special Lecture** titled “**Microbial Biodiversity – 16S rRNA approach**” in the PG Department of Botany and Microbiology Association, Jamal Mohammed College, Tiruchirappalli – 620 020 on March 18, 2005.
29. As a **Special invitee** delivered a talk on ‘**Marine Cyanobacteria**’ in the **Interactive Workshop on Conservation and Sustainable Utilization of Marine Bioresources**. Organized by **National Biodiversity Authority**, (Govt. of India) and **CAS in Marine Biology**, Annamalai University on June 14, 2005 In: Proceedings 15 – 17 p.
30. As a Chief Guest Inaugurated and delivered a **Keynote address** in the **State Level Seminar on “Biotechnology – Prospect and Retrospect”** organized by the Department of Biotechnology, Dhanalakshmi Srinivasan College of Arts & Science (W) Perambalore. 5th October, 2005.

31. Delivered a **Guest lecture** titled “**Biodiversity and Biotechnological Applications of Cyanobacteria**” in the **Institute of Bioinformatics and Applied Biotechnology (IBAB)**, Bangalore, on 7th October, 2005.
32. Delivered a **Guest lecture** titled “**Cyanobacterial DNA Finger Printing**” in the **Animal Science Club**, Bharathidasan University, 26th October, 2005.
33. As a Resource person delivered a **Guest lecture** titled, **DNA Finger Printing in Marine Cyanobacteria** in the Students Initiative Programme organized by the Department of Botany, A.V.C. College, Mayiladuthurai on 26. 12. 2005.
34. **Resource Person** in the UGC sponsored **Refresher course** on Recent Advances in Plant Sciences (15.11.05 – 5. 12. 05) and delivered 2 lectures on **Biodiversity and Biotechnological Potentials of Cyanobacteria** and **DNA Finger printing in cyanobacteria** organized by the Department of Plant Sciences, Bharathidasan University, Tiruchirappalli – 620 024 on 19.11. 2005.
35. **Resource Person** in the AICTE (New Delhi) sponsored **Faculty Development Programme** on Current trends and Innovative Techniques in Biotechnology, (January 16 – 29, 2006) Organized by P.S.R. Engineering College, Sivakasi 626 140 and delivered a lecture on **Recent Trends in Cyanobacterial Biodiversity and Biotechnology** on 25th January, 2006.
36. **Resource Person** in the AICTE (New Delhi) sponsored **Staff Development Programme** on *Molecules of Living Things*, (June 19 – July 03, 2006) Organized by Periyar Maniammai College of Technology for Women, Vallam, Thanjavur – 613 403 and delivered a lecture on **Cyanobacterial Biodiversity and Finger Printing** on 28th June, 2006.
37. As a Resource person delivered a **Guest lecture** titled ‘**Cyanobacterial Biotechnology**’ in the Dept. of Biotechnology Bolivar Club, Cauvery College for Women, Tiruchirappalli on 25. 7. 2005.
38. As a Resource person & delivered a **Guest lecture** titled “**Biodiversity of Cyanobacteria and Molecular Techniques involved in Cyanobacterial Studies**” in the Department of Botany and Microbiology, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi on 28.7.2008.
39. Visited **Vivekananda College of Arts & Science for Women**, Tiruchengodu, Namakkal District, as a **Chief Guest** to inaugurate **SUPER CLONE – Biotechnology Association** and delivered a special lecture titled “**Cyanobacterial Biotechnology**” on 28.8.2006.
40. As a **Resource person** in the *National Seminar on Emerging Trends in Biological Sciences*” organized by Dept. of Microbiology & Biochemistry, Shrimathi Indra Gandhi College, Tiruchirappalli on 9th & 10th October, 2006 and delivered a guest lecture titled “*Marine Cyanobacterial Biodiversity and rRNA Fingerprinting*”.
41. As a **Resource person** in the Department of Microbiology Seminar, Sri Amman Ars & Science College, Erode on 10.09.2007 and delivered a Guest lecture titled “**Microbial Biotechnology**”.
42. Delivered an **Invited lecture** on “**PCR based fingerprinting on symbiotic cyanobacteria**” in the *National Seminar on current technology development in biosciences* organized by Vivekananda College of Arts & Science, Tiruchengode on 16.9.2007.
43. Delivered a **Special lecture** titled “**DNA Finger Printing**” in the guest lecture program conducted by **Jenner Club** and PG Department of **Microbiology J.J. College of Arts & Science, Pudukkottai** on 29.1. 2008.
44. Delivered a **Guest lecture** titled “**Microalgal Biotechnology**” in the Department of Biochemistry, Holy Cross College, Tiruchirappalli 620 002 on 5th February, 2008.
45. Delivered a **Guest lecture** titled “**16S rRNA based molecular phylogeny of marine actinobacteria**” in the Training workshop on Isolation and identification of marine actinobacteria” organized by Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai – 608 502 on 6th March, 2008.

46. Delivered a **Guest lecture** titled “**Microbial DNA finger printing**” in the Bio-Mic Association meeting organized by Department of Microbiology and Biochemistry, M.I.E.T. Arts & Science College, Tiruchirappalli – 620 007 on 12th March, 2008.
47. As **Visiting faculty** to the Department of Botany, University of Pune, Pune 411 007, delivered a lecture titled “**Cyanobacterial Biodiversity and Potential Applications in Biotechnology**” in the *UGC-ASIST Seminar on Metabolic and Molecular aspects of Phytovariability* on March 25, 2008 and delivered special lectures on **1). *Spirulina* Biotechnology, 2). Ecobiology of enigmatic *Trichodesmium* bloom, 3). Microbial DNA Finger printing** and demonstration on **Secondary structure prediction of 16S rRNA, Identification of Restriction Enzyme sites and making Phylogenetic trees** using bioinformatics tools on 24 – 26th March 2008.
48. Delivered a **Guest lecture** titled “**Biodiversity and Biotechnological Potentials of Marine Cyanobacteria**” in the Zoology Day Celebrations – 2008 - organized by Dept. of Zoology & Microbiology, Dr. Zakir Hussain College, Ilayangudi – 630 702 on April 3, 2008.
49. **Resource person** in **UGC Sponsored special Summer School in Biosciences** for College and University teachers - organized by the Department of Microbiology Bharathidasan University at Academic Staff College, Bharathidasan University, Tiruchirappalli on July 23, 2008. Topic: **Marine Cyanobacteria - Biodiversity, Ecobiology and Biotechnology.**
50. **Resource person** in **UGC Sponsored special Summer School in Biosciences** for college and University teachers -organized by the Department of Microbiology, Bharathidasan University at Academic Staff College, Bharathidasan University, Tiruchirappalli on August 11, 2008. Topic: **Techniques for Molecular taxonomy.**
51. Delivered a **Guest lecture** titled “**Marine Cyanobacterial Diversity, conservation and sustainable Utilization**” in the National Conference on Biotechnological Intervention for Conservation & Sustainable Utilization of Bioresources” organized by the Department of Biotechnology, Sathyabama University, Chennai – 600 119 on 9th August, 2008.
52. Delivered a **Guest lecture** titled “**Cyanobacterial Biodiversity, Bioremediation and Biotechnology**” in the **National symposium on Exploiting microbes for Nanoscience and Technology**” organized by the Department of Biotechnology, K S R College of Arts & Science, Tiruchengodu on 19th September, 2008.
53. Delivered a **Guest lecture** titled “**Marine Cyanobacterial Diversity, and their biotechnological potentials**” and demonstration on **The isolation and development of microbial germplasm** to the participants of **TNSCST sponsored workshop on Recent trends in Zoology for Higher Secondary School Teachers** on September 25, 2008 organized by the Dept. of Zoology, National College, Tiruchirappalli.
54. Delivered a Prof. **Probir Chatterjee Memorial Lecture** titled “**Cyanobacterial diversity and DNA barcoding**” in the 5th Probir Chaterjee Memorial Lecture and Seminar on Cryptogamic Botany on 5th December, 2008 at University of Calcutta, Kolkata – 700 019.
55. Delivered an **Inaugural address** on ‘**Global Warming**’ in the **Workshop on Climate change & greenhouse effect on Environment** organized by the Department of Botany, National College, Tiruchirappalli 620 001 on 20th February, 2009.
56. Delivered **Valedictory address** on *Cyanobacterial Biotechnology* in the **National Conference on Current trends in Biotechnology (Zoro n2p’09)** organized by the Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar – 626 001 on 27th February, 2009.
57. Delivered **Valedictory lecture** on “**DNA Sequencing**” in the **Chemistry Association**, Department of Chemistry, Jamal Mohamed College, Tiruchirappalli 620 020 on 17th March, 2009.
58. Delivered two **Special lectures** in the UGC special Assistance Programme on **1. Biodiversity and Biotechnological Potentials of Marine Cyanobacteria** and **2. DNA finger printing and molecular taxonomy of cyanobacteria**, organized by the Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai 608 502, on 8th March 2009

59. Resource person in the *National Seminar on Recent Trends in Biological Sciences*” organized by Sri Gowri Biotech Research Academy, Thanjavur on 12th April, 2009 and delivered a **Plenary lecture** titled “*Biotechnological Potentials of Cyanobacteria*”
60. Resource person in the *National Symposium on Antimicrobial resistance and Drug Discovery*” organized by N G P Arts & Science College, Coimbatore on 10th September, 2009 and delivered a **Lead lecture** titled “*Antimicrobials from Microbes*”
61. Resource person in the *National Conference on Advances in Transgenic Technology*” organized by Vivekananda College of Arts & Sciences, Tiruchengodu – 637 205 on 25th September, 2009 and delivered a **Special lecture** titled “*Microalgal Molecular Farming*” and valedictory address.
62. Resource person in the *State Level Seminar on Recent Trends in Biological Research* organized by Consortium of Life Science Departments, Prof. Dhanabalan College for Women, Chennai – 603 103 on 24th January 2010 and delivered a **Special lecture** on “*Biodiversity and biotechnological potentials of Marine cyanobacteria*”.
63. Delivered a **Special lecture** on “*Biotechnological potentials of Marine Microalgae*” to Microbiology Association, Periyar University, Salem on March 10, 2010.
64. Delivered **Valedictory address** & a lecture on “*Marine Microalgal Biotechnology*, Department of Microbiology, Jamal Mohamed College, Tiruchirappalli 620 020 on 17th March, 2010.
65. Delivered **Plenary lecture** titled “*Cyanobacteria – Biodiversity, Phylogeny and Applications*” in the “**National Seminar on Microbial diversity and bioprospecting – Exploring the Unexplored**” organized by Dept. of Microbiology, Sri Venkateshwara University PG Centre, Kavali – 524 201, Andhra Pradesh on 26th March, 2010.
66. Delivered **Special lecture** titled “*Nutraceutical importance of Marine cyanobacteria and applications of molecular tools in the detection of microbial contaminants*” in the **National Symposium on molecular innovations in food processing and food safety Management & “Awareness Programme on Career prospects and business opportunities in food processing”** jointly organized by National Institute of Food Technology Entrepreneurship and Management, Ministry of Food Processing Industries (Govt. of India), Indian Institute of Crop Processing Technology & The Oxford College of Science, Bangalore on 6th April, 2010.
67. Delivered **Plenary lecture** on “*Microbial barcoding*” in the **National Conference on Emerging themes in Infection Biology** organized by the Department of Microbiology, Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur – 621 212 on 15th July, 2010.
68. Delivered **Special lecture** titled “*Microalgal Biotechnology*” in the **National Seminar on Plants and Human Health** organized by the Department of Biotechnology, Periyar Maniammai University, Vallam, Thanjavur Dt.613 403 on 23 July, 2010.
69. Delivered a **Keynote lecture** on “*Biodiversity, Taxonomy and Applications of Marine Cyanobacteria*” in the **National Symposium on Recent Trends in Algal Biotechnology** organized by Mar Athanasios College for Advanced Studies, Thiruvalla, Kerala – 689 010 on 5. 8. 2010.
70. Delivered a **Keynote address** on “*Biotechnological Applications of Marine Cyanobacteria*” in the **National Conference on Challenges and opportunities for next generation Microbiologists** organized by D.G. Vaishnav College, Chennai – 600106 on 28th September, 2010.
71. Delivered two **Invited lectures** on “*Taxonomy and classification of Cyanophyceae & Molecular approach to taxonomy with special reference to Cyanophyceae*” in the Workshop on **Taxonomy of Marine Algae** organized jointly by Krishnamurthy Institute of Algology, Chennai and CSMCRI, Marine Algal Research Station Mandapam Camp on 19 & 20 November, 2010.
72. **Resource Person** in the UGC sponsored **Refresher course on Bioinformatics** and delivered a lecture on “*Applications of Bioinformatic tool in Barcoding of Cyanobacteria*” organized by the Department of Bioinformatics, Bharathidasan University, Tiruchirappalli – 620 024 on December 4, 2010.

73. Delivered a **Special lecture** titled “*Biodiversity, Biomass production and Biotechnological Utilization of Marine Cyanobacteria*” in the International Seminar and Workshop on ‘**Sustainable Utilization of Tropical Plant Biomass**’ organized by Kerala University, Kariavattom, Thiruvananthapuram on 14-15 December 2010.
74. Delivered a **Special lecture** titled “*Biotechnological Utilization of Cyanobacteria*” in the **Science Mela 2011** organized by Ananda College, Devakottai – 630 303 on 8th January, 2011.
75. Delivered a **Guest lecture** on “*Applications of molecular tools in assessing Cyanobacterial diversity*” in the “**International Conference on Implications of Biotechnology on Biodiversity and its Conservation**” organized by the Department of Plant Biology and Plant Biotechnology, Ethiraj College for Women, Chennai - 600 008 in collaboration with M.S. Swaminathan Research Foundation, Chennai – 600 113 on 27 January, 2011.
76. Delivered a **Special lecture** on “*Microalgal Biotechnology*” and **Valedictory Address** in the **National Symposium on “Commercial Aspects of Biosciences”** organized by the Department of Biotechnology and Microbiology, Srinivasan College of Arts and Science, Perambalur – 621 212. on 28 January, 2011.
77. Delivered **Inaugural Address** and a special lecture on “*Applications of Molecular tools in the detection of Harmful Algal Blooms*” in the **National Seminar on Molecular diagnosis of Infectious diseases**” organized by the Department of Microbiology, Vivekananda College of Arts and Sciences for Women, Elayampalayam – 637 205, Tiruchengodu on 23 February, 2011.
78. Delivered a **Special lecture** on “*Algal Biotechnology and their applications*” in the **Faculty Development Program on “Challenges before emerging environmental biotechnology”** organized by the School of Biosciences and Technology, VIT University, Vellore on March 2, 2011.
79. Delivered a **Special lecture** on “*Microalgal Biotechnology*” in the DBT sponsored “**Short Term Training Course on Basic Techniques in Plant Molecular Biology**” for College Teachers, organized by the Department of Botany, Jamal Mohamed College, Tiruchirappalli on 19th April, 2011.
80. Delivered a **Plenary lecture** on “*Microalgal and Cyanobacterial biotechnology*” in the **International Conference on “Impact of Physical Sciences on Biology (ICIPB 2011)”** organized by Queen Mary’s College, Chennai 600 004 during July 7 – 9, 2011.
81. Delivered a **Plenary lecture** on “*Marine Microalgae and Cyanobacteria – Biodiversity, Conservation and Utilization*” in the **Exploring the secrets of biofuel: An International Submit (ETSOB-’11)** organized by Presidency College, Chennai 600 005 during July 14, 2011.
82. Delivered **Felicitation address** during inaugural function and **Special lecture** on “*Cyanobacteria – from Taxonomy to Biotechnology*” in the “**Inservice Training programme for Secondary Grade Science Teachers**” organized by the Department of Microbiology, Bharathidasan University College for Women, Orathanadu – 614 625 on 21.11.2011.
83. Delivered a **Special lecture** on “*Microalgal diversity and their Immunostimulatory potentials in Aquaculture*” in the DBT Sponsored ‘**Workshop on Marine Fish Immunology and Immunotechnology**’ organized by Centre for Advanced Studies in Marine Biology, Annamalai University, Parangipettai on 3.12.2011
84. Delivered a **Special lecture** on ‘*Microalgal Biotechnology*’ in the **International Conference on Advanced Materials (ICAM 2011)**, organized by PSG College of Technology, Coimbatore, on 13.12.2011.
85. Delivered a **Plenary lecture** on “*Microalgal Biofuels*” in the **National Seminar on Recent Advances in Life Sciences** organized by the Department of Zoology, H H The Raja’s College, Pudukkottai – 622 001 on December 28, 2011.
86. Delivered a **Special lecture** on “*Current Trends and Future Perspectives of Microalgal Research*” in the **National Seminar on “Current Status and Future Perspectives of Research**

- in Biological Sciences**” organized by Research and Development of Cell, AVC College, Mannampandal, Mayiladuthurai – 609 305 on January 9, 2012.
87. Delivered **Inaugural & Special lecture** on “*Microalgal Biotechnology*” and Valedictory address in the “**One day Seminar on Development of Women Entrepreneurship**” organized by the Department of Microbiology, Bharathidasan University College for Women, Orathanadu – 614 625 on 14th February, 2012.
 88. Delivered a **Plenary lecture** on “*Challenges in molecular characterization of Microorganisms*” and **Valedictory address** in the **National Seminar on Molecular aspects of Microbiology**” organized by the Department of Microbiology, Periyar University, Salem 632 011 on March 7, 2012.
 89. Delivered an **Invited lecture** on “*Microalgae : Biodiversity to Biotechnology*” and Valedictory address in the **State level seminar on “Emerging Advancements in Biosciences**” organized by the Department of Microbiology & Biotechnology, Jamal Mohamed College, Tiruchirappalli – 620 020 on 17th March 2012.
 90. Delivered an **Invited lecture** on “*Research in Marine Microbiology & Funding sources*” in the TNSCST sponsored **Orientation Programme on “Research Activities in Science for College Teachers**” Organized by the Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Thirunelveli on 19th March 2012.
 91. Delivered a **Plenary Lecture** on “*Biodiversity and molecular taxonomy of cyanobacteria*” in the National Seminar on “**Role of Microbes in Health, Agriculture and Industry**” organized by the Department of Biotechnology, Alagappa University, Karaikudi – 630 003 on March 27, 2012.
 92. Delivered a **Plenary Lecture** on “*Immunomodulatory potentials of Microalgae in Aquaculture*” in the National Conference on “**Marine fish and shell fish immunology and Immunotechnology**” organized by the Centre for Advanced Studied in Marine Biology, Annamalai University, Parangipettai – 608 502 on March 31, 2012.
 93. Delivered **Special lecture** on "*Microalgae - a future for future generation*" in the DST sponsored **INSPIRE** Program organized by the Department of Biotechnology, Manonmaniam Sundaranar University, Alvarakurichy, Thirunelveli on May 20, 2012.
 94. Delivered **Invited lecture** on “*நுண்பாசிகளில் உயிர்தொழில்நுட்பம்*” in the **12th Tamil Science Conference** (Tamilnadu Science Organization) organized by the Periyar University, Salem 636 011 on August 24, 2012.
 95. Delivered a **Special lecture** on “**Biotechnological potentials of Microalgae and Cyanobacteria**” in the National level seminar on “**An eminent role of Microbes in our day today life**” organized by the Department of Microbiology and Biotechnology, AVS College of Arts and Science, Salem– 636 106 on 13 September 2012.
 96. Delivered **Invited lectures** on “**Microalgal Biotechnology**” and “**Taxonomy and DNA Barcoding**” in the Refresher Course on Life Science organized by the UGC - Academic Staff College, Pondicherry University, Puducherry – 605 014 on 31 December 2012.
 97. Delivered a **Lead lecture** on “**Microalgal Biotechnology**” in the National level Conference on “**Emerging Novel Avenues and Opportunities in Modern Biological Sciences**” organized by the the Department of Microbiology, M R Government Arts College, Mannargudi– 614 001, Thiruvavur District on March 1, 2013.
 98. Delivered a **Plenary lecture** on "**Cyanobacterial Biodiversity and Molecular Taxonomic Research at Bharathidasan University, Tiruchirappalli, Tamilnadu**" in the "**National Symposium on Fundamental and Applied Phycology**” organized by the Department of Botany, Punjabi University, Patiala – 147 002 during March 25 – 26, 2013.
 99. Delivered **Special lecture** on "**Microalgae - Biodiversity to Biotechnology**" in the Science Academies sponsored Refresher’s Course on "**Modern Biotechnology: concepts and practice**"

- organized by the School of Biotechnology, Madurai Kamaraj University, Madurai on May 18, 2013.
100. Delivered **Guest lectures** on “**Microalgae - Biodiversity to Biotechnology**” and “**Microalgal Taxonomy and DNA Barcoding**” in the Refresher Course on Life Science organized by the UGC - Academic Staff College, Bharathidasan University, Tiruchirappalli - 620 020 on 3 July 2013.
 101. Delivered **Inaugural Address** and **Special lecture** on "**Microalgae - a future for future generation**" in the DST sponsored INSPIRE Program organized by Cauvery College, Tiruchirappalli - 620 018 on 31 July.2013.
 102. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi, Thanjavur District on August 29, 2013.
 103. Delivered a **Special lecture** on "**Cyanobacteria - Biodiversity to Biotechnology**" in the National Seminar on “**Recent Trends in Applied Algal Research**” and "23rd Founding day Celebrations of Krishnamurthy Institute of Algology" organized by Krishnamurthy Institute of Algology, Chennai - 600 040 and Centre of Advanced Study in Botany, Guindy Campus, University of Madras, Chennai - 600 025 on September 21, 2013.
 104. Delivered a **Plenary lecture** on "**Microalgal Biotechnology**" in the **National Seminar on "Exploring Recent Horizons in Biotechnology"** organized by Dr. Umayal Ramanathan College for Women, Karaikudi - 630 003 on 25.9.2013.
 105. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the Department of Botany, Periyar University, Salem 636 011 on October 28, 2013.
 106. Delivered a **Special lecture** on "**Microalgal Ecobiology - Biotechnology**" in the “Science Academies' Refresher Course on Evolutionary Ecology of Plant and Animals” organized by PSGR Krishnammal College for Women, Coimbatore - 641 004 on 21 November 2013.
 107. Delivered **Special lecture** on "**Microalgal Biotechnology**" in the DST sponsored INSPIRE Program organized by Selvam Arts and Science College, Namakkal - 637 003 on 29 November 2013.
 108. Delivered **Special lecture** on "**Symbiotic genomics of cycads and metagenomics of Azolla**" in the DBT sponsored “**Short term training course on Plant Genetic Engineering**" organized by the Department of Biotechnology and Genetic Engineering, Bharathidasan University, Tiruchirappalli - 620 024 on 30 November 2013.
 109. Delivered **Special lecture** on “**Microalgae: From Biodiversity to Biotechnology**” in the Science Academies’ Lecture Workshop on **Recent Trends in Biology and Biotechnology** - organized by the Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli - 620 020 on January 31, 2014
 110. Delivered **Special lecture** on "**Biodiversity and Biotechnological applications of Microalgae**" in the **National Conference on “Recent Advances in Algology, Mycology and Plant Pathology (NCRAAMPP - 2014)”** organized by the Centre for Advanced Studies in Botany, Guindy campus, Chennai - 600 024 during February 19, 2014.
 111. Delivered **Felicitation address** in the Inaugural function and **Special lecture** on "**Microalgae - From Biodiversity to Biotechnology**" in the DST sponsored INSPIRE-2014 Program organized by the Department of Botany and Microbiology, AVVM Sri Pushpam College, Poondi - 613503, Thanjavur on 27th February 2014 and felicitation address in the Valedictory function on 3rd March 2014.
 112. Delivered an **Invited lecture** on "**Biodiversity Molecular Phylogeny and Barcoding of Marine Fungi**" in the **National Conference on “Fungal diversity and Biotechnology for Food and Chemicals and 40th annual Meeting of the Mycological Society of India**” organized by the Centre of Advanced Studies in Marine Biology, Annamalai University, Parangipettai - 608 502 during February 28, 2014.

113. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the TNSCST sponsored Scientific Awareness Programme organized by the Department of Botany, Govt. Arts College, Karur 639 005 on 11.7.2014.
114. As a resource person delivered a **Special lecture** on "**Microalgal Biotechnology**" in the DST sponsored INSPIRE-2014 Program organized by the Department of Nanoscience and Technology, KSR College of Technology, Tiruchengodu- 637 211 on 9 & 10th July 2014, 28th July 2014, 10th August 2014 and 20th August 2014.
115. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the Botany Association, Department of Botany, St. Joseph's College, Tiruchirappalli – 620 002 on 28th August 2014.
116. Delivered **Plenary Lecture** on "**Metagenomic approach to the molecular phylogeny of symbiotic cyanobacteria**" in the *National Conference on Progress in Algology in the Indian Context*" organized by the Department of Microbiology, Bharathidasan University jointly with the Krishnamurthy Institute of Algology, Chennai at Bharathidasan University, Tiruchirappalli – 620 024 on September 21, 2014.
117. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the Science Academics Lecture Workshop on "**Modern trends in Biological Sciences**" organized by the Post graduate & Research Department of Biotechnology, Nehru Memorial College, (Autonomous), Puthanampatti – 621 007 on 10th October 2014.
118. Delivered a **Special lecture** on "**Role of Mushrooms in Human Resource Development (மனித வள மேம்பாட்டில் காளான்களின் பங்கு)**" in the Training program on "**Alternative livelihood for SC populations in Cuddalore District through sustainable utilization of marine resources for Mushroom Cultivation**" organized by the CAS in Marine Biology, Annamalai University, Parangipettai - 608 502 on January 2, 2015.
119. Delivered a **Plenary lecture** on "**Conservation and biological potential of Hallucinogenic mushrooms**" in the **National Symposium on Mycological Research – Emerging Trends, Applications and Prospects & 41st Annual Meeting of Mycological Society of India**" organized by the Department of Botany, Punjabi University, Patiala 147 002 during February 24, 2015.
120. Delivered a **Keynote address** in the inaugural function on "**Microalgae – From Biodiversity to Biotechnology**" in the **National Conference on "Innovations and New Horizons in Algal Technology and Biotechnology"** organized by the Department of Biotechnology, Kamaraj College of Engineering & Technology, Viruthunagar- 626 001 during February 26, 2015.
121. Delivered a **Special lecture** on "**Microalgae and Cyanobacteria – Biodiversity to Biotechnology**" in the Department of Botany and Microbiology, College of Science, King Saud University, Riyadh- 11451, **Kingdom of Saudi Arabia** on 7th March 2015.
122. Delivered a **Special lecture** on "**Biotechnological applications of Microalgae**" in the Division of Bioengineering, Incheon National University, Incheon – 406-772, **Republic of Korea** on 29th June, 2015.
123. Delivered a **Special lecture** on "**Biodiversity, Molecular Taxonomy and Biotechnological applications of Microalgae**" in the Department of Marine Science, Incheon National University, Incheon – 406-772, **Republic of Korea** on 30th June, 2015.
124. Delivered a **Special lecture** on "**Biodiversity and Biotechnological applications of Microalgae**" in the Korea Institute of Energy Research (KIER), Daejeon – 305-343, **Republic of Korea** on 1st July, 2015.
125. Delivered a **Special lecture** on "**Current Scenario of microalgal biodiesel production and applications: Challenges and Opportunities**" in the Centre for Surface Technology and Application (CeSTA), Korea Aerospace University, Gyeonggi-do – 412-791, **Republic of Korea** on 2nd July, 2015.

126. Delivered **Guest lecture** on “**Microalgal Biotechnology- Challenges and Opportunities**” in the Department of Plant Biology and Plant Biotechnology, Ayya Nadar Janaki Ammal College, Sivakasi – 626 124 on 20th July 2015.
127. Delivered **Inaugural Address and Guest lecture** on “**Cyanobacteria – Biomass production and applications**” in the TNSCST sponsored programme on *Application of Science and Technology for Rural Areas (ASTRA)* organized by the Department of Microbiology & Biotechnology, Bharathidasan University Constituent College, Kurumbalur – 621 107, Perambalur on 27th July 2015.
128. Delivered **Inaugural Address and Guest lecture** on “**Cyanobacteria – Biomass production and applications**” in the TNSCST sponsored programme on *Application of Science and Technology for Rural Areas (ASTRA)* organized by the PG & Research Department of Botany, Government Arts College, Ariyalur – 621 713 on 4th August 2015.
129. Delivered a **Special lecture** on "Microalgal Biotechnology" in the DST sponsored INSPIRE-2014 Program organized by the PG & Research Department of Biotechnology & Botany, Nehru Memorial College, Puthanampatti, Tiruchirappalli - 621 007 on 4th August 2015.
130. Delivered a **Lead lecture** on “**PCR based DNA/rRNA Fingerprinting and phylogeny of cyanobacteria**” in the *National Symposium on “Algae for Human Welfare” (AFHW 2015)* organized by Department of Botany and Microbiology, Pithapur Rajah’s Govt. College, Kakinada 533 001 Andhra Pradesh during August 19, 2015.
131. As a resource person delivered a **Lead lecture** on “**Biodiversity and Biotechnological applications of Cyanobacteria**” in the DBT (Govt. of India) sponsored *Popular Lecture Series in Biotechnology* organized by UKA Tarsadia University and C.G. Bhakta Institute of Biotechnology, Surat – 394 350, Gujarat on 19th September, 2015.
132. Delivered a **Lead lecture** on “**Microalgae – A Potential to be exploited in Pharmaceutical Industries**” in the DBT (Govt. of India) sponsored “*International Conference on Reasserting Microbial Biotechnology to Deflate Global Disease Burden*” organized by the Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli – 627 012 on 29th September 2015.
133. Delivered a **Special lecture** on "Microalgal Biotechnology" in the DST sponsored INSPIRE-2015 Program organized by the PG & Research Department of Biotechnology & Botany, Nehru Memorial College, Puthanampatti, Tiruchirappalli - 621 007 on 6th November 2015.
134. Delivered an **Invited lecture** on “**Microalgal Biotechnology: Challenges and opportunities**” in the **National Conference on “Plant Science Research: Looking beyond 21st Century for Environmental and Agricultural Revolution**” organized by the Society for Plant Research (VEGETOS) and Department of Botany, Delhi University, Delhi – 110 007 on 7th February 2016.
135. Delivered an **Invited lecture** on “**Microalgal Biodiesel Production Technology**” in the Ministry of Human Resource Development sponsored “**National Training Programme on Biodiesel from Marine Algae**” organized by the CAS in Marine Biology Annamalai University, Parangipettai – 608 502 on 18th February 2016.
136. As a Chief Guest delivered **Inaugural address** and a **Special lecture** on “**Microalgal Biotechnology**” in the TEQIP II sponsored **National level Symposium “BIORITZ ’16** organized by the Department of Biotechnology, Anna University – BIT Campus, Tiruchirappalli- 620 024 on 22nd February 2016.
137. Delivered an **Invited lecture** on “**Microalgal Biotechnology: Challenges and Opportunities**” in the **National Seminar on “Recent Trends in Botany (RTB-2016)**” organized by the P.G. & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli – 620 020 on 24th February, 2016.

138. Delivered an **Invited lecture** on “**Microalgal Biotechnology** in the UGC – **Human Resource Development (HRDC), Bharathidasan University, Tiruchirappalli – 620 020 sponsored Refresher Course in Life Sciences** on 18.3.2016.
139. Delivered an **Invited lecture** on “**Algal Biotechnology – Baptism and beyond at the cross road of Centuries**” in the **International Conference on “Recent Advances in Biosciences**” organized by the Biosciences Department, Alagappa University, Karaikudi- 630 003. India on 7th April, 2016.
140. Delivered an **Invited lecture** on “**Microalgal Biotechnology**” in the SASNET (Swedish South Asian Studies Network) Seminar organized in collaboration with Department of Technology and Society, Faculty of Engineering on 23 May 2016, at Lund University, 221 00 Lund, **Sweden**.
141. Delivered a **Special lecture** on “**Microalgal Biotechnology**” on 24th May 2016 at the Food and Biotechnology Company, Aventure ab, Ideon, Scheelevägen 22, Lund, **Sweden**.
142. Delivered an **Invited lecture** on “**Microalgal Research and Facilities at Bharathidasan University**” in the seminar on 26th May 2016 at the Department of Chemistry and Bioengineering, Tampere University of Technology, FI 33101 Tampere, **Finland**.
143. Delivered an **Invited lecture** on “**Microalgal Biotechnology**” on 27th May 2016 at the Process Chemistry and Environmental Engineering, VTT, Technical Research Centre of Finland, FI-02044 VTT, **Finland**.
144. Delivered an **Invited lecture** on “**Microalgal Biotechnology**” in the ‘**Seminar on Algal Biomass Production – Challenges**’ during 30th May 2016 at the ENEA Research Centre, Casaccia, 301-00123 Roma, **Italy**.
145. Delivered **Keynote lecture** on “**Microalgal Biotechnology – Boon for Health & Environment**” in the ‘**Science Academies’ Education Programme on Advances in Microalgal Research and its Relevance to Climate Change** organized by the Centre for Climate Change Studies, Satyabhama University, Chennai – 600 119 on 21. 7. 2016.
146. Delivered **Plenary lecture** on “**Progress in Microalgal Research at Bharathidasan University**” in the “**International Conference on Advances in Algal Biotechnology**” organized by the School of Biosciences and Technology, VIT University, Vellore – 632 014 and Seaweed Research and Utilization Association, Parangipettai – 608 502 on 11. 8. 2016.
147. Delivered an **Invited lecture** on “**Microalgae – organisms for imminent biotechnology**” in the **International Conference on Microalgal and Cyanobacterial Biotechnology** organized by the National Facility for Marine Cyanobacteria, Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli – 620 024 on 31.8.2016.
148. Delivered an **Invited lecture** on “**Gaps in Algal Biotechnology Research in India**” in the One Day Workshop on “**Ecogenomics of Algal Bioresources and Biotechnological Interventions**” jointly organized by Gujarat State Biotechnology Mission (GSBTM) and Gujarat Ecological Education and Research (GEER) at Indroda National Park, Gandhi Nagar – 392 007, Gujarat on 19.9.2016
149. As a Chief Guest delivered **Inaugural Address** during the inauguration of **Research Programmes** of Ph.D. in English and Commerce and M.Phil in Mathematics and Computer Science in **Annai Vailankanni Arts and Science College, Thanjavur – 613 007** on 31st October 2016.
150. Delivered **Plenary lecture** on “**Microalgal Biotechnology – Challenges and Opportunities**” in the **National Conference on Basic and Applied Researches in Plants and Microbes** organized by the Department of Botany, Punjabi University, Patiala – 147 002, Punjab on November 3, 2016.
151. As a resource person delivered a lecture on “**Microalgal Biotechnology – Challenges and Opportunities**” in the **Science Academies Refresher course on Experimental biology: Orthodox and Modern** organized by the Department of Botany, St Joseph’s College, Tiruchirappalli – 620 002 during 16th November 2016

152. As a resource person delivered a Lead lecture on *Microalgal Diversity, Biomass Production and application* in the *International Conference on "Sustainable Utilization of Tropical Plant Biomass: Bioproducts, Biocatalysts and Biorefinery (SutB⁴)"* organized by Tamil Nadu Agricultural University, Coimbatore on November 17, 2016.
153. Delivered Valedictory Address in the DST sponsored INSPIRE program organized by the Nehru Memorial College, (Autonomous), Puthanampatti – 621 007 on 18, November 2016
154. Delivered an invited lecture on “*Overview on Microalgal Biotechnology*” in the **National Conference on Algal Biology and Biotechnology** organized by the Department of Biotechnology University of Madras, Chennai – 600 025 jointly with Krishnamurthy Institute of Algology, Chennai – 600 040 during November 25, 2016.
155. Delivered an invited lecture on “*Microalgal Biomass Production and Applications*” in the **International Conference on Current Trends in Biotechnology (ICCB’2016)**, VIT University, Vellore 632 014 on December 9, 2016.
156. Delivered a Plenary lecture on “*Insomniac Microalgae: tiny cells with super powers*” in the **International Conference on Recent Trends in Microbiology (RTM-2016)** organized by the Department of Microbiology, Alagappa University, Karaikudi – 630 003 during 8th December 2016.
157. Delivered a Plenary lecture on “*Microalgae: Foremost Organisms for Food, Energy and Environmental Health*” in the **International Conference on Food, Energy and Water Microbiology**, organized by the Department of Microbiology, Periyar University, Salem 636 011 on 22nd December, 2016.
158. Delivered **Valedictory Address** in the “**National Workshop on Standards for Food and Water Quality examination with emphasis on Microbiological Techniques of detection, identification and enumeration of human pathogens**” organized by the Department of Microbiology, M.R. Government Arts College, Mannargudi – 614 001 in collaboration with the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 29th December, 2016.
159. Delivered **Presidential Address** in the Valedictory function of **GIAN (Global Initiative of Academic Networks)** workshop on *Materials under extreme conditions – Enabling Technologies and Applications* (sponsored by MHRD) on December 30, 2016 organized by the Centre for High Pressure Research, Department of Physics, Bharathidasan University, Tiruchirappalli – 620 024.
160. Delivered **Professor T.V. Desikachary Endowment Lecture** on “*Microalgae: Foremost organisms for Food, Fuels, Fertilizer and Fine chemicals*” in the **National Conference on “Biodiversity, Biology and Biotechnology of Algae (NCBBBA-2017)”** organized by Centre for Advanced Studies in Botany, University of Madras, Chennai – 600 025 on January 10, 2017.
161. Delivered **Presidential Address** in the Inaugural function of **Materials Research Society of India – Trichy chapter** on January 28, 2017 organized by the Centre for High Pressure Research, Department of Physics, Bharathidasan University, Tiruchirappalli – 620 024.
162. Delivered a **Lead lecture** on “*Microalgae: Taxonomy to Technology*” in the Workshop titled “**33rd-Winter School on Differential Gene Expression in Plants & Bacteria**” during February 1-14, 2017. organized by the Networking Resource Centre in Biological Sciences (NRCBS), Madurai Kamaraj University, Madurai - 625 021 on 11th February, 2017.
163. Delivered a **Keynote Lecture** on “*Microalgal Bioresources: Taxonomy to Technology*” in the **National Conference on Bioresources: Conservation, Utilization and Future Prospects**, organized by the Department of Biology, The Gandhigram Rural Institute – Deemed University, Gandhigram – 624 302 on 17th February, 2017.
164. Delivered a **Keynote Address** on “**மனித வள மேம்பாட்டில் காளான்களின் பங்கு**” (*Role of Mushrooms in Human Resource Development*”- in Tamil) in the **Training Program on Edible**

- Mushroom Cultivation Technology for Unemployed Women SC/ST Population of Salem District**, organized by the Department of Botany, Periyar University, Salem on 1st March, 2017.
165. Delivered a **Lead lecture** on “*Microalgae –a sustainable resource for biofuel, bioremediation and Health*” in the National Symposium on **Trends in Agriculture and Biosystems Engineering** on 28th March, 2017. organized by the Department of Bioenergy, Agricultural Engineering College & Research Institute, Tamil Nadu Agricultural University, Coimbatore – 641 003.
 166. As a Chief Guest delivered a keynote address on “**Microalgae – Taxonomy to Technology**” during the inauguration of *Young Students Scientists Programme* (YSSP – 2017) Sponsored by **Tamil Nadu State Council for Science & Technology** (TNSCST) at Thanthai Hans Rover College, Perambalur – 621212 on 10th May 2017.
 167. As a Chief Guest delivered Inaugural address during the inauguration of *Science Academies Lecture workshop on “Emerging Frontiers in Plant Sciences”*, organized by the PG Research Department of Botany, Periyar EVR College, Tiruchirappalli – 620 023 on 23rd August 2017.
 168. Delivered an invited lecture on “**Microalgae: a sustainable resource for biofuel, bioremediation and health**” at the Centre for Microbial Biotechnology, Panjab University, Chandigarh - 160014 on September 16, 2017.
 169. Delivered an invited lecture on “**Microalgae: Diversity, Conservation and Utilization**” during XXXX All India Botanical Conference of the Indian Botanical Society and National Symposium on “**Evaluation and Conservation of Plant Germplasm**” held at Punjabi University, Patiala – 147 002 on September 17, 2017.
 170. Delivered an invited lecture on **Microalgae – a potential resource for energy, environment & health** in the *National Conference on “Algal Diversity and Resource Status: Current Trends in Utilization and Prospects for Innovation”* organized by PG & Research Department of Botany & Marine Ecology and Conservation Lab, PG & Research Department of Zoology, V.O. Chidambaram College, Tuticorin – 628 008 jointly with Seaweed Research & Utilization Association & Krishnamurthy Institute of Algology on September 22, 2017.
 171. Delivered an invited lecture on “**Microalgal Biotechnology**” in the Second National Seminar on *Recent Advancement in the field of Bioenergy & Bioproducts* (RABB-17) organized by the Department of Biotechnology, Bannari Amman Institute of Technology, Sathyamangalam – 638 401 on September 26, 2017.
 172. As a Chief Guest delivered a keynote address during the inaugural function of UGC Sponsored **National Conference on Trends in Microbiology** (NCTM 2017) organized by the Department of Microbiology, Alagappa University, Karaikudi – 630 003 on 27th September 2017.
 173. Delivered an invited lecture on “**Microalgae – a sustainable resource for our present and future needs**” in the *National Conference on “Recent Advances in Modern Biology and Rural Development” (RAMBARD-2017)*” organized by the PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi – 613 503, Thanjavur Dt. in collaboration with the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on October 6, 2017.
 174. As a Chief Guest delivered a Inaugural Address during the inaugural function of INSA, ISA, & NAS Sponsored Two Day “**Science Academies Lecture Workshop on Recent Advances in Biology**” organized by the Department of Microbiology, M.R. Government Arts College, Mannargudi – 614 001, Tiruvarur Dt. on 12th October 2017.
 175. As a resource person delivered a lecture on “*Microalgae – A Sustainable Resource for Energy, Environment & Health*” in the **Refresher Course in Biosciences** organized by the UGC – Human Resource Development Centre, Bharathidasan University on 27.10.2017.
 176. As a Chief Guest delivered a lecture on “**Role of Microbes in Human Welfare – Energy, Environment & Health**” to the School Students at **Chettinad Vidya Mandir School**, Puliur 639 114, Karur District on October 28, 2017.

177. Delivered a Plenary lecture on ***“Microalgae and Cyanobacteria: A Prolific resource for Biomedical Research”*** in the **International Conference on Innovations and Challenges in Biomedical Science Research**, organized by the PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College, Tiruchirappalli – 620 002 on 14.12.2017.
178. As a resource person delivered a lecture on ***Microalgal and Cyanobacterial Biotechnology*** in the **“Science Academies Refresher Course on Bioprospection of Bioresources: Land to Lab Approaches”** organized by the PG & Research Department of Botany, St Joseph’s College, Tiruchirappalli – 620 002 on 16.1.2018.
179. Delivered a Felicitation Address during the inaugural function of **“Science Academies Lecture Workshop on Conservation and Protection of Bioresources”** organized by the Department of Botany, Bharathidasan University, Tiruchirappalli – 620 004, on 24th January 2018.
180. As a guest speaker delivered a lecture on ***“Diversity, Cultivation and Utilization of Marine Cyanobacteria and Microalgae”*** in the **National Conference on “Bioactive marine natural products and their therapeutic applications”** organized by Sathyabama Institute of Science & Technology (Deemed University). Chennai- 600 119 on 25th January, 2018.
181. As an Invited speaker delivered a lecture on ***“Biodiversity, conservation and sustainable Utilization of Microalgae and Cyanobacteria”*** in the **National Symposium on “Advances in Biology of Algae and Cyanobacteria”** organized by Centre of Advanced Studies in Botany, Banaras Hindu University, Varanasi – 221 005 on 9th February, 2018
182. As an Invited speaker delivered a lecture on ***“Role of Cyanobacteria & Microalgae in Human Welfare”*** in the One-day **National Seminar on Advances in Animal Science for Sustainable Development** organized by the Department of Zoology, Jamal Mohamed College, Tiruchirappalli – 620 020 on 15th February, 2018.
183. As a Chief Guest delivered a lecture on ***“Microalgae for Human Health”*** in the **Aristotle Club Association** Valedictory meeting, PG and Research Department of Zoology, Holy Cross College, Tiruchirappalli – 620 002 on 23rd February, 2018.
184. As a resource person delivered lecture on ***“Recent advances in Scientific Research & Filing Patents”*** in the UGC – **Human Resource Development (HRDC)**, Bharathidasan University, Tiruchirappalli – 620 020 sponsored **Short-Term Course in Research Methodology for University and College Teachers** on 24th February 2018.
185. As a resource person delivered special lecture on ***“Opportunities in Scientific Research”*** for the **Faculty Development programme** organized by **The Internal Quality Assurance Cell**, Jamal Mohammed College, Tiruchirappalli – 620 020 on 9th March 2018.
186. As a resource person delivered lecture on ***“Research Opportunities in Sciences”*** in the UGC **sponsored Summer School in Computer Science and Applications** organized by the UGC – Human Resource Development (HRDC), Bharathidasan University, Tiruchirappalli – 620 020 on 19th March 2018.
187. As a resource person delivered lecture titled ***“Research Data for Scientific Research: Access & Ethics”*** in the DST-PURSE sponsored Two days **National Workshop on Big Data, Research Data and Libraries** organized by the Department of Library and Information Science, Bharathidasan University, Tiruchirappalli – 620 024 on 24th March 2018.
188. As an Invited speaker delivered a lecture on ***“Diversity and Utilization of Microalgae & Cyanobacteria”*** in the **National Seminar on Current Scenario on Research and Developments in Plant Science** organized by Centre for Advanced Studies in Botany, University of Madras, Chennai – 600 025 on 29th March, 2018.
189. As a resource person delivered a lecture on ***“Multifaceted potentials of Microalgae and Cyanobacteria”*** in the **Refresher Course in Life Sciences** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University on 19.6.2018.

190. As a resource person delivered a lecture on “*Microalgae and Cyanobacteria – A Potential Resource for Future*” in the **Departmental Seminar** organized by the Department of Biosciences, Jamia Millia Islamia (Central University), New Delhi on 3rd August 2018.
191. As a keynote speaker delivered a lecture on “*Microalgae – a sustainable bioresource for the future*” in the **Two-day International Conference on Current trends in Life Sciences – “Medicinal Plants and its therapeutics”** organized by Kandasamy Kander’s College, Velur Namakkal & Kongu College of Arts and Science, Karur, Tamil Nadu, India, on 7th August 2018
192. As an Invited speaker delivered a lecture on “*Microalgal Biotechnology (for food, agriculture, energy, health and environment)*” organized by Dr. N.G.P. Arts and Science College, Coimbatore-641 048 under DBT-Star College programme on August 16, 2018.
193. As a resource person delivered a lecture on “Research *Intelligence through Scholarly Communication*” in the **Workshop on Research Intelligence and Scholarly Publishing** organized by the Department of Library and information Science, Bharathidasan University, Tiruchirappalli – 620 024 in connection with Librarian’s Day Celebration on 24th August 2018.
194. Delivered a Inaugural Address during the inaugural function of the” **International Conference on “Emerging areas of Biotechnology for Human Welfare and Bioentrepreneurship”** organized by organized by the School of Life Sciences, B.S.Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 11 September 2018.
195. As an Invited speaker delivered a lecture on “*Microalgae and Cyanobacteria – a potential resource for our future needs*” in the” **International Conference on “Emerging areas of Biotechnology for Human Welfare and Bioentrepreneurship”** organized by organized by the School of Life Sciences, B. S. Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 12 September 2018.
196. As a keynote speaker, delivered a lecture on “*Biodiversity, Bioremediation, Bioenergy & Biotechnological utilization of Microalgae*” in the **National Conference on “Vistas in Biodiversity, Biology, Biotechnology and Nanotechnology of Algae (VBBNA2018)”** organized by the Department of Botany, Madras Christian College, Chennai in association with Seaweed Research and Utilization Association and Krishnamurthy Institute of Algology on 21st September, 2018.
197. Delivered Valedictory address and Plenary lecture on “*Microalgae & Cyanobacteria – A potential resource for Energy, Environment & Health*” in the **National Conference on New Dimensions in Microbiome Research** organized by the PG & Research Department of Microbiology, J.J. College of Arts and Sciences, Pudukkottai on September 28, 2018.
198. Delivered Presidential address in the Valedictory Function of *Hands-on Training on Taxonomic Identification of Coastal and Oceanic Copepods (TICOC 2018)* organized by the Department of Marine Science, Bharathidasan University, Tiruchirappalli – 620 024 on 28.9.2018.
200. As a chief guest delivered special lecture on “*Recent Trends in Microalgal Technology*” in the **Decennial Celebrations** of Department of Microbiology, Periyar University, Salem – 636 011 on 31.10.2018.
201. As a resource person delivered a lecture on *Microalgal Biotechnology* in the **Science Academies Refresher Course on “Known to unknown Techniques in Biology”** organized by the PG & Research Department of Botany, St Joseph’s College, Tiruchirappalli – 620 002 on 3.11.2018.
202. As a chief guest delivered Inaugural address in DBT funded National Workshop on **Hands-on Training on Fish Cell Culture Technique: Development and Applications** at the Department of Zoology and Biotechnology, C. Abdul Hakeem College, Meivisharam – 638509, Vellore District on 12th November 2018.

203. As a chief guest & resource person delivered a Key Note address in the inaugural function and a special lecture on ***Microalgae and Cyanobacteria – An important bioresource on Energy, Environment and health*** in the **Science Academies Lecture Workshop on “Conservation and Utilization of Bioresources”** organized by the PG & Research Department of Biotechnology, Srimad Andavan Arts & Science College, Tiruchirappalli – 620 005 on 6th December 2018.
204. Delivered a Presidential address in the inaugural function of **International Symposium on “Applications and developments in Applied Sciences Research”** organized by the PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College, Tiruchirappalli – 620 001 on January 7, 2019.
205. As a resource person delivered a lecture on **“Cyanobacteria and its Application in Biotechnology”** in the Yenepoya Research Centre, Yenepoya (Deemed to be University), Deralakatte, Mangalore - 575018, Karnataka on 21.1.2019.
206. Delivered a lead lecture on **“Recent trends in microalgal and cyanobacterial technology”** in the **National Seminar on “Recent Trends in Microbial Technology”** organized by the Department of Botany, Government college of Arts, Science & Commerce, Quepem, Goa – 403 705 on 8.2. 2019.
207. Delivered a lead lecture on **“Taxonomy, Conservation and Utilization of Microalgae & Cyanobacteria”** in the **National Conference on “Future Trends in Marine Biotechnology (FTMBT)”** organized by the Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Rajakkamangalam – 629 502, Kanyakumari District at Vivekananda Kendra, Kanyakumari on February 15th, 2019.
208. As a resource person delivered a lecture on **“Funding Schemes for Scientific Research, Project preparation and Patent Filing”** in the **UGC-Sponsored Short-Term Course in Research Methodology for the University and College Teachers** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University on 18.2.2019.
209. As a resource person delivered a lecture on **“Role of mushrooms in human resource development”** in the Training programme on **“Innovative Technology of Oyster Mushroom cultivation for self-employment of Rural population”** organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on February 19, 2019.
210. As an Invited speaker delivered a lecture on **“Microalgae and Cyanobacteria – a sustainable bioresource for Energy, Environment and Health”** in the **“Aqua-Terr Golden Jubilee International Conference on Genome Biology and Host Defence: Bacteria to Mammals”** organized by the School of Biological Sciences, Madurai Kamaraj University, Madurai – 625 021, Tamilnadu, India on 1st March 2019.
211. As an Invited speaker delivered a lecture on **“Microalgae and Cyanobacteria – an imminent bioresource for Energy, Environment and Health”** in the **“National Conference on Prospects of Algae in Food, Health, Environment & Energy”** organized by the Department of Biotechnology, Karunya Institute of Technology & Sciences, Coimbatore – 641 114, Tamilnadu, India on 8th March 2019.
212. As an Invited speaker delivered a lecture on **“Microalgae and Cyanobacteria – a sustainable bioresource for Energy, Environment and Health”** in the **“Guest Lecture Programme”** organized by the Department of Biotechnology, AVS College of Arts & Sciences (Autonomous), Sulur, Coimbatore – 641 404, Tamilnadu, India on 8th March 2019.
213. As an Invited speaker delivered two lectures on 1. **Microalgal Biotechnology** and 2. **Taxonomy and DNA Barcoding of Microbes** in the **Science Academies’ Lecture Workshop on “Bioprospecting and Conservation of Bioresources** organized by the Department of Botany and Microbiology, A.V.V.M. Sri Pushpam College (Autonomous), Poondi – 613 503, Tamilnadu on 19th March 2019.

214. As a Chief Guest delivered **College Day Address** during 12th College Day Celebrations on 10th April 2019 at B.Ed. College Auditorium, Jamal Mohamed College of Teacher Education, Tiruchirappalli 620 020.
215. Delivered a Plenary lecture on “*Microalgae and Cyanobacteria – A Sustainable Bioresource for Energy, Environment and Health*” in the **International Conference on Sustainable Development in Energy & Environment** organized by the Department of Biotechnology Kamaraj College of Engineering and Technology, K. Vellakumam 625 701, Viruthunagar, Madurai District on 18.7.2019.
- 216 As a resource person delivered a lecture on “*Progress in Microalgal and Cyanobacterial Biotechnology*” in the **Refresher Course in Life Sciences** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 20.7.2019.
217. Delivered a Keynote address on “*Microalgae and Cyanobacteria: Most promising bioresource for energy, environment and health*” in the **National Seminar on Recent Trends in Biosciences** organized by the Department of Biochemistry and Microbiology in collaboration with St. Peter’s Institute of Higher Education and Research, Avadi, Chennai – 600 054 on 7.8.2019.
218. As a Chief Guest delivered **Valedictory Address** in the International Seminar on “**Microbial intervention for the welfare of Human Beings**” on 9th August 2019 at Sengamala Thayar Educational Trust Women’s College, Mannargudi – 614 016, Thanjavur District.
219. As a Chief Guest delivered **Inaugural Address** in a **State level Two-day Workshop on “Biochemical Characterization of Bacterial Pathogens, Antibacterial studies and Permanent Slide Preparation** on 21. August 2019 organized by PG & Research Department of Botany, Holy Cross College (Autonomous), Tiruchirappalli – 620 002.
220. As a resource person delivered a lecture on “*Research Funding Schemes and Project Proposal Preparation*” in the **105th Orientation Programme** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 29.8.2019.
221. As a resource person delivered a special lecture on “*Bioproducts from Microalgae*” in the Seminar on **New Epoch on Biotechnological Research, ASM Student Chapter 2019-20** organized by the School of Biotechnology, Madurai Kamaraj University, Madurai – 625 021 in collaborations with American Society for Microbiology, USA on 6th September 2019.
223. As an invited speaker delivered a special lecture on “*Biodiversity and Biotechnological Potentials of Marine Cyanobacteria*” in the **National Seminar on Marine Natural Products as Pharmaceutical Agents** organized by Centre for Ocean Research, Satyabhama institute of Science & Technology, Chennai – 600119 on 18th September 2019.
224. As an invited speaker delivered a plenary lecture on “*Microalgae – a sustainable bioresource for our present and future needs*” in the **National Seminar on Prospects of Microalgae – Past, Present and Future** organized by the Division of Biotechnology and Phycology, CSIR – Central Salt and Marine Chemicals Research Institute (CSMCRI), Bhavnagar – 364 002, Gujarat on 20th September 2019.
225. As an invited speaker delivered a plenary lecture on “*Microalgae and Cyanobacteria – Taxonomy, Conservation and Utilization*” in the UGC sponsored **National Seminar on Emerging Trends in Algae** organized by the Research Department of Botany, St. Xavier’s College, Palayamkottai – 627 002 in association with SRUA and Krishnamurthy Institute of Algology on 28th November 2019.
226. As a resource person delivered a lecture on “*Research opportunities and Project Proposal Preparation*” in the **UGC sponsored Refresher Course in Computer Science** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 First batch on 11.12.2019 and Second batch on 16.12. 2019.

227. As a resource person delivered a special lecture on “***Microalgae and Cyanobacteria – From Biodiversity to Biotechnology***” and hands-on training on “***Taxonomy and Identification of Cyanobacteria***” in the Short-Term Training Program on **Algal Culturing Techniques and Biotechnology** organized by the School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai - 600 048 on 17th and 18th December 2019.
228. As an invited speaker delivered a plenary lecture on “***Three decades of Cyanobacterial and Microalgal research and developments at Bharathidasan University, Tiruchirappalli, India***” in the Prof. T.V. Desikachary Birth Centenary International Symposium on **Biodiversity, Biology and Biotechnology of Algae – ISBBBA-2020** organized by CAS in Botany, University of Madras, Chennai on 9th January 2020.
229. As a chief guest delivered Valedictory Address and a Plenary Lecture on “***Microalgae and Cyanobacteria – a significant bioresource for energy, environment and health***” in the **National Conference on Emerging Trends Life Sciences** organized by the Waghire College of Arts, Commerce and Science, Saswad, Pune – 412 301 on 8th February 2020.
230. As an invited speaker delivered lecture on “***Cyanobacteria – Biodiversity to Biotechnology***” in the Seminar related the celebrations of Crafoord Prize awarded to Dr Sallie W. Chisholm, Massachusetts Institute of Technology (MIT), Cambridge, USA organized by the Department of Biochemistry and Biotechnology, Annamalai university, Chidambaram – 608 002 on 13th February, 2020.
231. As a resource person delivered a lecture on “***Microalgae and Cyanobacteria – Taxonomy to Technology***” in the Botany Association Seminar organized by Department of Botany, Periyar E V R College, Tiruchirappalli – 620 023 on 29th February, 2020.

Webinar lectures

232. As a resource person delivered a lecture on “***Microalgae– a sustainable bioresource for Energy, Environment and Health***” in the **National Seminar on Frontiers in Biological Innovations for Resource Management, Patents and Entrepreneur Development** Organized by Dept. of Botany, Jamal Mohamed College, Tiruchirappalli – 620 020 on 10th March, 2020.
233. As a resource person delivered a lecture on “***Cyanobacteria– a potential resource for Energy, Environment and Health***” in the **International Conference on “Recent Trends in Biological Sciences”** jointly organized by St. Joseph’s College, Tiruchirappalli, Tamil Nadu and St. Andrew’s College, Gorakhpur, Uttar Pradesh on 4th June, 2020.
234. As a resource person delivered a lecture on “***Microalgae – from Biodiversity to Biotechnology***” in the Webinar concerned with **International world Environment Day**” jointly organized by Nagaland University, Voice On Indian Concern on Environment and Voice on International Community for the Environment on 8th June, 2020.
235. As a resource person delivered a lecture on “***Microalgae – A Potential Resource for Energy, Environment and Health***” in the **Five-Day Faculty Development Program for Botany** – organized by the Commissionerate for Collegiate Education, Vijayawada, Andhra Pradesh, on 14th July, 2020.
236. As a resource person delivered a lecture on “***Microalgal Biotechnology – Preparation of Project Proposals & Filing Patents***” in the **Faculty Development Program – Webinar Series III on Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society** organized by the Centre for Research & Development, Holy Cross College, Tiruchirappalli – 620 002 Tamil Nadu on 17th July, 2020.
237. As a resource person delivered two lectures on “***Microalgal Biodiversity, Biomass production and Applications (Part 1 & Part 2)***” in the **Online Summer Training Programme in Cultivation and Commercialization of Biological Products** organized by the PG & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli under DBT Star College Scheme on 23rd and 24th July 2020.

238. As a resource person delivered a lecture on “***Biodiversity and Biotechnological Potentials of Microalgae***” in the DST-PURSE sponsored webinar on “**Emerging Trends in Plant Sciences – ETPS 2020**” organized by the Department of Botany, Bharathiar University, Coimbatore – 641 046 on 19th November 2020.
239. As a resource person delivered a lecture on “***Microalgae – a sustainable bioresource for our present and future needs***” in the **87th Refresher Course in Life Sciences** organized by UGC – Human Resource Development Centre (HRDC), Punjabi University, Patiala on 8.12. 2020.
240. As a resource person delivered a lecture on “***Research Funding Schemes and Project Proposal Preparation***” in the **Faculty Induction Programme (FIP)** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 10.12. 2020.
241. As a resource person delivered a lecture on “***Microalgae – A Potential Unexploited – Part I*** in the **UGC sponsored Refresher Course in Biosciences** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 12.12. 2020.
242. As a resource person delivered a lecture on “***Biodiversity and Bio prospecting of Microalgae and Cyanobacteria for energy, environment and health care***” in the **International Conference on ‘Sustainable Utilization of Tropical Plant Biomass (SUTPBM): opportunities for innovation and entrepreneurship in Kerala’** organised by the School of Biosciences (SBS), Mahatma Gandhi University, Kottayam, Kerala, India in association with Lund University, Sweden, Sustainable Kerala.net & SASNET Fermented Foods on 14th December 2020.
243. As a resource person delivered a lecture on “***Microalgae – A Potential Unexploited – Part II*** in the **UGC sponsored Refresher Course in Biosciences** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 22.12. 2020.
244. As a resource person delivered a lecture on “***Microalgae - A sustainable resource for our future needs***” in the **TNSCST sponsored A two-day Webinar on Biodiversity and Bioprospecting** organized by the PG and Research Department of Botany, St. Marys College (Autonomous), Thoothukudi – 628 001 on 21.1.2021.
245. As a resource person delivered two lectures on 1. **Molecular Taxonomy and DNA Barcoding of Microbes** and 2. **Microalgae & Cyanobacteria – From Taxonomy to Technology** in the **Science Academies’ Virtual Lecture Workshop on “Recent Trends in Microbiology & Biotechnology** organized by the Department of Biotechnology, Srimad Andavan Arts & Science College (Autonomous), Tiruchirappalli-620 005 Tamilnadu on 15th February 2021.
246. As an resource person delivered two lectures on 1. **Microalgae: Biodiversity to Biotechnology** and 2. **Taxonomy and DNA Barcoding of Microbes** in the **Science Academies’ Lecture Workshop on “Recent Trends in Biological Sciences** organized by the Department of Biochemistry, Sacred Heart College (Autonomous), Tirupattur – 635 601, Tamilnadu on 16 & 17 February 2021.
247. As a resource person delivered a lecture on “***Microalgal Identification – Conventional & Molecular Methods***” in the **Gyan Ganga - State level Training cum Workshop on “New Dimensions of Advance Studies in Botany”** jointly organized by Directorate of College Education Rajasthan and Department of Botany & ISDC Cell Government College, Bundi, Rajasthan on 18.2. 2021.
248. As a resource person delivered a lecture on “***Screening. Cultivation and Optimization strategies of Microalgae for Biodiesel production***” in the **International Virtual Workshop on Biofuel Production & Processing** organized by the Department of Green Energy Technology, Pondicherry University, Puducherry – 605 014 on 23.2. 2021.

249. As a resource person delivered a lecture on “***Microalgal Research – Need for Budding Scientists***” during the ‘National Science Day Celebrations & DBT funded one day State Level Seminar on Future of STI: Impacts on Education Skills and Work’ organized by the Science Departments of Vellalar College for Women (Autonomous), Erode – 638 012 on 1.3. 2021.
350. As a resource person delivered a lecture on "***New Strategies for Microalgal Biodiesel Production***" in the **International Webinar on Biotechnological Innovations in the 21st Century** during 19 - 20 March, 2021 organized by the Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, (Erstwhile North Orissa University), Baripada, Odisha on 20th March, 2021.
351. As a resource person delivered a lecture on "***Biotechnological potentials of Microalgae***" in the Webinar organized by the A.L. Mudhaliar Basic Science Development Centre, University of Madras, Chennai – 600 025 on 5th June, 2021.
352. As a resource person delivered a lecture on "***Contemporary approach to Publications and Research Grants arena***" in the **Faculty Development Programme** organized by the Internal Quality Assurance Cell & the Department of Microbiology, Cauvery College for Women, Tiruchirappalli – 620 018 on 9th June, 2021.
353. As a resource person delivered a lecture on “**Microalgae – a sustainable bioresource for our present and future needs**” in the **Expert Lecture Series** organized by the Microbiologists Society, India in association with RK University, Rajkot 360 020, Gujarat on 8th August 2021
354. As a resource person delivered a lecture on “***Microalgae: A Potential Bio-resources for our future***” in the **Professor E. K. Ganesan Memorial International e-Lecture** on his 83rd Birthday organized by Internal Quality Assessment Cell (IQAC) with Department of Botany and Alumni Association, Nowgong College (Autonomous), Nagaon 782 001 Assam on 19th August, 2021
355. As a resource person delivered a Lead lecture on "***Microalgae – From Taxonomy to Technology***" in the **First NABS-International Conference on “Life Sciences: Contemporary approaches in Biological Science for Food, Health, Nutrition Security and Conservation of Biodiversity”** organized by the Faculty of Agriculture, Annamalai University & National Academy of Biological Sciences (NABS) on 27th August, 2021.
356. As a Guest of Honour, delivered Inaugural address and as a Resource person delivered a lecture on “***Microalgae – a sustainable resource for biofuel, bioremediation and health***” in the **National Seminar on “Bioprospecting of Algae”** organized by the Hindustan College of Arts & Science, Coimbatore on 3rd September, 2021
357. As a resource person delivered a lecture on "***Research Grants, Fellowships and Project Proposal Preparations***" in the ‘**Workshop on Applying for Research Grants, Fellowships and Projects**’ organized by the St Joseph’s College, Tiruchirappalli – 620 002 on 8th September, 2021
358. As a resource person delivered a lecture on "***Research Funding Schemes and Project Proposal Preparations***" in the UGC sponsored **Faculty Induction Programme (FIP)** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 10th September, 2021
359. As a resource person delivered a lecture on “**Microalgae – a sustainable bioresource for our present and future needs**” in the online Webinar under **Expert Lecture Series** organized by the Microbiologists Society, India in association with Department of Pharmacy, Shree Dev Bhoomi Institute of Education, Science & Technology, Dehradun, Uttarakhand, India on 11th September, 2021.
360. As a resource person delivered a lecture on "***Microalgae – Taxonomy to Technology***" in the UGC sponsored **Refresher Course in Life Sciences (Interdisciplinary)** for the University and

College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 13th September, 2021

361. As a resource person delivered a lecture on "***Art of Writing Research Proposals***" in the UGC sponsored **Refresher Course in Computer Science & Applications** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 27th September, 2021.
362. As a resource person delivered a lecture on "***Challenges and Strategies in Microalgal Research***" in the Virtual Lecture Workshop on "**Challenges and Prospects in Plant Science for Sustainable Future**" organized by the Department of Botany, Bharathidasan University, Tiruchirappalli – 620 024 on 27th October, 2021.
363. As a Chief Guest delivered **Inaugural Address** in the DST PURSE sponsored Workshop on "**Digital Photogrammetry**" on 15th November 2021 organized by the Department of Geography, Bharathidasan University, Tiruchirappalli – 620 024.
364. As a resource person delivered a lecture on "***Microalgae – From Taxonomy to Technology***" in the **Refresher Course in Botany** for the University and College Teachers organized by the UGC-Human Resource Development Centre, University of Madras, Chennai – 600 005 on 29th November, 2021.
365. As a resource person delivered a lecture on "***Research Funding Schemes and Project Proposal Preparations***" in the UGC sponsored **Faculty Induction Programme (FIP)** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 3rd December, 2021.
366. As a Chief Guest delivered **Presidential Address** in the DST PURSE sponsored National Webinar on "**Water Resources and Socio-Economic Development**" on 11th December 2021 at the Department of Geography, Bharathidasan University, Tiruchirappalli – 620 024.
367. As a Chief Guest delivered **Valedictory address** in the RUSA 2.0 sponsored two days National Virtual Workshop on "**Entrepreneurship Programme on Edible Mushroom Cultivation**" on 30th December 2021 at the Department of Botany, Bharathidasan University, Tiruchirappalli – 620 024.
368. As a resource person delivered a lecture on '**Microalgae – Taxonomy to Technology**' in the MHRD - RUSA 2.0 sponsored Skill Based Internship Programme on 'Advanced Techniques for Microalgal Cultivation' organized by CAS in Botany, University of Madras, Chennai on 4th January 2022.
369. As a resource person delivered a lecture on "**Microalgae – a Potential to be Exploited**" in the **Refresher Course in Biotechnology** organized by the Centre of Biotechnology, University of Allahabad, Allahabad- 211002, Uttar Pradesh on 11th January 2022.
370. As a resource person delivered a lecture on "***Research Funding Schemes and Project Proposal Preparations***" in the UGC sponsored online short-Term course in '**Research & Publication Ethics**' for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 24th January 2022.
371. As a Chief Guest delivered **Inaugural Address** in the DST-SERB sponsored Scientific Social Responsibilities (SSR) activity-based workshop on two days National Virtual Workshop on "**Best Practices in Plant Tissue Culture**" on 11th February 2022 at the Department of Botany, Bharathidasan University, Tiruchirappalli – 620 024.
372. As a Chief Guest delivered **Valedictory address** in the DST PURSE and RUSA 2.0 sponsored two days 3rd National Workshop on "**Biotechnological Solutions for Environmental Challenges**" (BITSFECs) on 23rd February 2022 at the Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli – 620 024.

373. As a resource person delivered a lecture on "*Cyanobacterial taxonomy to Biotechnology*" in the RUSA 2.0 sponsored **National Workshop on Molecular methods in Taxonomy to Biotechnology of Actinobacteria and Cyanobacteria** (MoMeTBAC-22) organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 8th March, 2022 and delivered Felicitation Address in the inaugural Function.
374. As a resource person demonstrated "*Morpho-taxonomical methods of Cyanobacterial identification*" in the RUSA 2.0 sponsored **National Workshop on Molecular methods in Taxonomy to Biotechnology of Actinobacteria and Cyanobacteria** (MoMeTBAC-22) organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 9th March, 2022.
375. As a resource person delivered MSI Fellow 2021 award lecture on "*Diversity, Morphological, Biochemical and Molecular characterization of Marine Fungi*" in the **National Conference (Virtual) on Mycology and Mankind: Marching ahead in the new era & 48th Annual Meeting on Mycological Society of India** on 9th March 2022 organized by ICAR Research Complex for NEH Region, Umiam, Meghalaya & Mycological Society of India.
376. As a resource person delivered a Keynote address on "*Cyanobacteria and Microalgae – From Biodiversity to Biotechnology*" in the **Ten days Internship on Fermentation Technology**" organized by the Department of Microbiology, Karpagam Academy of Higher Education, Coimbatore on 17th March, 2022.
377. As a resource person delivered a lecture on "*Development of Research Projects and Publications*" in the **Faculty Development Program** organized by the Department of Botany, H.H. The Rajah's College Pudukkottai - 622 001 on 5th May, 2022.
378. As a resource person delivered a invited talk on "*Cyanobacterial biodiversity and their role in Biotechnology*" in the **Symposium on Biological diversity – National Perspective, Biodiversity Crisis, Concerns and Mitigation Approaches** organized by the Department of Biotechnology, Alagappa University, Karaikudi jointly with Bhabha Atomic Research Centre (BARK), Mumbai on 13th May, 2022.
379. As a resource person delivered a special lecture on "*Cyanobacteria and Microalgae – From Taxonomy to Technology*" in the **National Level Conference on Biotechnology and OMICS Sciences (BIO-OMICS-2022)** organized by the Department of Biotechnology, Alagappa University, Karaikudi on 27th May, 2022.
380. As a resource person delivered a lecture on "*Research Funding Schemes and Project Proposal Preparations*" in the UGC sponsored **Faculty Induction Programme (FIP)** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 10rd June, 2022.
381. As a Chief Guest delivered **Inaugural Address** in the "*International Conference on Emerging Outlook and Recent Trends in Microbiology*" organized by the Department of Microbiology, Shrimati Indira Gandhi College, Tiruchirappalli – 620 002 on 26th August 2022.
382. As a Chief Guest delivered a lecture on "**Microalgal Biotechnology**" and inaugurate Botany Association in the P.G. and Research Department of Botany National College, Tiruchirappalli – 620 0021 on 24th September 2022.
383. As a resource person delivered **Keynote Address** during the Inaugural function and **Felicitation Address** during the valedictory function of the **International Conference on Microbiome and Synthetic Biology (ICMSB 22)** organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 22nd and 23rd September 2022.
384. As a resource person delivered a lecture on "**Microalgae: Foremost organisms for Environment, Energy & Health**" in the Two-Day **National Seminar on Sustainable Global Environmental Health – Our Planet Our Health** organized by the Internal Quality Assurance Cell, Cauvery College for Women (Autonomous) Tiruchirappalli on 26th September 2022.

385. As a resource person delivered **Keynote Address** during the Inaugural function of Indian Council of Social Science Research sponsored “**National Seminar on Sustainable Environment: Issues and Challenges Towards Future Perspectives**” organized by the Department of Population Studies, Annamalai University, Chidambaram on 29th September 2022.
386. As a resource person delivered a lecture on “**Microalgae – a Potential to be Exploited**” in the UGC sponsored **Refresher Course in Biochemistry and Biotechnology** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 12th October, 2022.
387. As a Chief Guest in the book release ceremony of SRC-Quest (Volume 2) and IQAC Newsletters and delivered special address in Seethalakshmi Ramaswami College Tiruchirappalli – 620 002 on 28th October 2022.
388. As a resource person delivered a lecture on “**Microalgal Biotechnology – a Potential to be Exploited**” in the special lecture programme organized by the Department of Microbiology, Periyar University, Salem 636 011 on 7th November 2022.
389. As a resource person delivered a lecture on “**Biodiversity of Marine Fungi and exploration of endophytic fungus mediated production of Calebin-A from *Curcuma* sp. and its biological applications**” in the UGC SAP sponsored lecture programme organized by the Department of Microbiology, Food Sciences and Biotechnology, Bangalore University Bangalore – 560 056 on 8th November 2022.
390. As a resource person delivered **Dr. V. Agnihotrudu Memorial Award Lecture** on **Endophytic fungus mediated production of Calebin-A from *Curcuma* sp. and its biological applications**” in the *National Conference on Fungal Diversity for sustainable Future: Potentiality, Progress, Conservation and IPR Issue* and *49th Annual Meeting of Mycological Society of India* organized by the Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh on 28th November 2022
391. As a resource person delivered a Plenary lecture on “*New Strategies for Sustainable Microalgal Biodiesel Production*” in the **National Conference on Recent Trends in Green Energy Technologies – NRTGET’2022** organized by the Department of Green Energy Technology, Pondicherry University on 9th December, 2022.
392. Delivered **M.K. Nambiar Memorial Oration Award lecture** on “*Biodiversity and Biotechnological potentials of Cyanobacteria and Microalgae*” in the 43rd Annual Conference of **Indian Association of Biomedical Scientists (IABMS)** with a theme of “**An Integrative Approach Towards Health Protection and Health Promotion**” on 19th December, 2022 at Sri Sri University, Cuttack, Odisha, India
393. As a resource person delivered a lecture on “**Microalgae and Cyanobacteria – Most promising bioresource for Energy, Environment and health**” in the “Interactive Sessions with Eminent Personalities” programme organized by Velalar Vidyalayaa, Erode on 30th December 2022.
294. As a resource person delivered Plenary lecture titled “**Three decades of Cyanobacterial and Microalgal research and developments at Bharathidasan University, Tiruchirappalli, India**” in the First National Conference on “Biotechnology for Better Tomorrow” organized by the Microbiologist’s Society, India & Department of Microbiology, Taywade College, Mahadula-Koradi, Nagpur on 22nd January 2023
395. Delivered a Plenary lecture on “**Microalgae – a potential bioresource for Energy, Environment and Health**” in the National Academy of Biological Sciences (NABS)13th National Conference with a theme of ‘**Current Perspectives for sustainable development in life sciences, environment and agriculture**’ on 24 January, 2023 at Periyar University, Salem, Tamil Nadu.

396. As a Chief Guest delivered a lecture on “**Microalgal Biotechnology**” in the “**Popular Lecture Series in Biotechnology**” programme organized by the Department of Microbiology, Ayya Nadar, Janaki Ammal College, Sivakasi – 626 124, Tamil Nadu on 3rd February 2023.
397. As a resource person delivered **Keynote Address** in the International Conference on “**Converging research approaches in life science for Future Advancement**” organized by the PG and Research Department of Microbiology, Sengamala Thayaar Educational Trust Women’s College (Autonomous), Sundarakkottai, Mannargudi on 15th February 2023.
398. As a Chief Guest delivered a lecture on “**Microalgae – A sustainable bioresource for present & future**” in the **International Conference on Future Challenges of Microbes in Environment** organized by the Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli - 625 020 in association with **Microbiologist Society, India (MBSI)** on 23rd February 2023.
399. As a resource person delivered a lecture on “**Microalgae & Cyanobacteria - a Sustainable bioresource for Food & Food Additives**” in the Second NABS Foundation Day Celebration Lecture organized by National Academy of Biological Sciences on 10th March 2023 (online mode)
400. As a Chief Guest delivered **Inaugural Address** and a lecture on “**Preparation of Research Projects Proposals for Funding Agencies**” in the One-day Workshop on “**Research Proposal Writing**” organized by the Internal Quality Assurance Cell (IQAC) and the Department of Library and Information Science, Periyar University, Salem 636 011 on 14th March 2023.
401. As a Chief Guest delivered **Facilitation Address** and a **Plenary Lecture** on “**Microalgae – A sustainable bioresource of energy, environment and health**” in the “**National Conference on Environment management towards sustainability**” organized by the Department of Zoology, Nesamani Memorial Christian College, Marthandam- 629 165, Kanyakumari District on 12th April, 2023.
402. As a resource person delivered a lecture on “**Microalgae - a potential resource for energy, environment and health**” in the organized by Microbiologists Society, India (Chandigarh Unit) on 14th July 2023 (online mode).
403. As a resource guest of Honour delivered inaugural address and a lecture on “**Microalgae – From Biodiversity to Biotechnology**” in the **RUSA – Phase III - Skill Based Internship Programme** organized by CSA in Botany, University of Madras Guindy on 8th August 2023.
404. Delivered Special address in the inauguration and a Plenary Lecture on “**Microalgae – A Potential bioresource for Energy, Environment & Health**” in the “**International Conference on Applications of Natural Products Nanomaterials and Nanopharmaceuticals**” organized by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India in association with Nano and Biomaterials Association (NBA), The Biotech Research Society (BRSI), India, Centre for Surface Technology and Applications (CeSTA), & Aerospace University, Republic of Korea 9th August, 2023.
- 405 As a Chief Guest delivered **Inaugural Address** and a **Plenary Lecture** on “**Microalgae – a sustainable bioresource for our present and future**” in the “**Prof. SK Memorial NABS Lecture Workshop - 4th Series**” organized at Vivekananda College, Agasteeswaram, Kanyakumari on 25th August, 2023.
406. Delivered a **Keynote Address** on “**Microalgae – A Potential bioresource for Energy, Environment & Health**” in the Hands-on Training on Biological Oceanographer Voyage. Organized by RVS College of Arts and Science, Coimbatore Thassim Beevi Abdul Kader College for Women, Keelakarai on 30th September 2023.
407. Delivered an **Inaugural Address** on “**Microalgal Biotechnology – An Industrial Perspective**” in the Industry Conclave on "Innovations, Biobusiness and Startup Ecosystem in Algal

- Biotechnology - A Carbon Neutral Initiative” organized by the Department of Microbiology, Madras Christian College, Tambaram, Chennai – 600 059 on 6th October 2023.
408. Delivered a **Plenary Lecture** on “**Marine Planktonic diversity of Tamilnadu and their Biotechnological Potentials**” in the **International Conference on Recent Advances in Animal Biology and Conservation**, organized by the Department of Zoology, University College, Thiruvananthapuram, Kerala on December 21, 2013.
 409. As a chief guest delivered a **Keynote Address** during the Inaugural function of the **International Conference on Post COVID 19 Pandemic Era – Clinical and Translational Research (NCPCPE - CTR) and 44th Annual Conference of Indian Association of Biomedical Scientists (IABMS)** organized by Dept. of Microbiology, M. R. Government Arts College, Mannargudi on 8th January 2024.
 410. Delivered a **Plenary Lecture** on “**Microalgae – A sustainable bioresource for Energy, Environment and Health**” in the “**International Conference on Microbiological Research: Current Challenges and Future Perspectives-2024**” organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli in association with the **Microbiologists Society, India (MBSI)** on 9th January, 2024.
 411. As a chief guest delivered a **Special Address** on “**Circular and Sustainable Economy of Algal Industries**” during the inaugural function of the **International Conference on Emerging Global Business Opportunities (ICEGBO ‘2024)** organized by St. Joseph’s Institute of Management (JIM), St Joseph’s College, Tiruchirappalli on 10th January 2024.
 412. Delivered **Chief Guest Address** in the 30th Annual Day function at Alpha Education Institutions, Tiruchirappalli on 26th January 2024.
 413. As a Resource Person delivered a lecture on “**Microalgal Biotechnology – A Potential to be exploited**” in the One Day Seminar on “**Blooming Perspectives of Zoology**” organized by the Department of Zoology, Kalaigai Karunanithi Government Arts College for Women (Autonomous) Pudukkottai – 622 001 on 29th January 2024.
 414. Delivered a **Keynote Address** in the **International Multidisciplinary Conference on “Emerging the Future with Advances in Science & Technology”** organized by the Departments of Biochemistry, Microbiology, Psychology, BCA & Mathematics with Computer Applications, Ethiraj College for Women (Autonomous) on 1st February, 2024.
 415. As a chief guest delivered a **Special Address** on “**Commercialization of Algal Industries towards circular and Sustainable Economy**” in **A One Day Seminar on Commercialization of Technologies and Tech Transfer** organized by Thassim Beevi Innovation Incubation Council & EDC, Thassim Beevi Abdul Kader College for Women, Kilakarai – 623 517, Ramanathapuram district on 5th February 2024.
 416. Delivered a **Inaugural Address** in the **International Conference on “Exploring Innovative Technologies in Biosciences Towards Sustainable Development (EITB 2024)”** organized by the Post Graduate & Research Department of Microbiology, Dwaraka Doss Goverdhan Vaishnav College, Chennai 600 106 on 6th February 2024.
 417. As a Chief Guest delivered Special Lecture on “**Classify, Calibrate, Consume and Celebrate the Competencies of Cyanobacteria**” in the International Seminar on Recent Trends in Biological Sciences, organized by **Crescent Global Outreach Mission (CGOM)**, B.S. Abdur Rahman Crescent Institute of Science and Technology (Deemed to be University), Vandallur-600 048, Chennai on 13th February 2024
 418. As a Chief Guest delivered **Special Lecture** on “**Molecular Phylogeny of Cyanobacteria**” in the Best Student Award Ceremony and a Workshop organized by **St Peter’s Institute of Higher Education and Research** (Deemed to be University) Avadi, Chennai on 16th February 2024

419. As a Chief Guest delivered **Special Address** and a special lecture on “**Classify, Calibrate, Consume and Celebrate the Competencies of Microalgae**” in the International Conference on Microalga: Biodiversity and Bioprospecting organized by St Mary’s College Tutucorin 628 001 on 20.2.2024
420. As a Chief guest delivered Felicitation Address in the “**National Symposium og Blue Carbon Sink**” organized by the department of Marine and Coastal Studies, Madurai Kamaraj University Marine Field Research Facility, Pudumadam, Ramanathapuram Dstrict in collaboration with Seaweed Research and Utilization Association on 22.2.2024
421. As a chief guest delivered a **Validictory Address** in the **International Conference on “Inspiring Microbiome for the Future Generation”** (IMFG-2024), organized by PG and Research Department of, Microbiology, Sengamala Thayaar Educational Trust Women’ s College, Mannargudi in association with Microbiologists Society, India (MBSI), & Internal Quality Assurance Cell (IQAC) on February 27, 2024
422. As a Chief guest delivered **College Day Address** in the **College Day function** (for Women) of Jamal Mohamed College, Tiruchirappalli – 620 020 on 7th March 2024.
423. As a Chief guest delivered a **Special Address** in the **Hira Skill Development Academy Education Consultant Trainers Program** (online) organized by the Hira Skill Development Academy on 10th March 2024.

26. Chaired Technical Sessions in Symposia/ Conferences/Seminars

1. Chaired Aquatic Microbiology Session in *International Symposium on Freshwater Aquaculture - Potentials and Prospects* held at A.V.V.M Sri Pushpam College, Poondi, Thanjavur District, November 13, 2003.
2. Chaired Microbiology Session in *National Symposium on Recent Trends in Biological Research* held at A.V.V.M. Sri Pushpam College, Poondi, Thanjavur District, February, 18, 2004.
3. Chaired Special lecture and Paper presentation session in National *Symposium on Algal Biology and Industrial Applications*, organized by Krishnamurthy Institute of Algology, RKM Vivekananda College, Chennai. September 26, 2004.
4. Chaired a Paper presentation session in National **Conference on Aquaculture Biotechnology** organized by the Department of Zoology & Biotechnology, AVVM Sri Pushpam College, Poondi, Thanjavur District on 21st, July, 2005.
5. Acted as a **Co-Judge** in the 3rd day Poster Session in the **International conference on Applied Phycology “Algae in Biotechnology and Environment”** University of Delhi, Delhi – 110 007 during 14 – 15, 2006.
6. Acted as **Repertoire** in the 3rd Technical Session and Panel discussion of the **International Conference on “Current Trends in Algal Bioresource Utilization”** Assam University, Silchar (India) during 4-6 December, 2006.
7. Chaired a Paper presentation session and Co-Judge for Poster Session of the **National Conference on “Bioprospecting of Marine Resources with special reference to Marine Natural Products and Drug Discovery”** organized by Oceanography and coastal area studies, Alagappa University, Karaikudi during April 26 – 28, 2007.
8. Chaired a Paper presentation session in National **Conference on Environment Science and Technology** organized by the Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli on 28th November, 2008.
9. Acted as a **Co-Chairperson** in the **National Symposium on “Phycology in India – Basic to Applied”** Organized by the Department of Botany, Punjabi University, Patiala – 147 002 during February 12 – 13, 2009.

10. Acted as **Judge** for Microbiology & Life Science subject in college level **Science Exhibition** in Tamil at Periyar University, Salem – 636 011 on 27th October, 2009.
11. Chaired a Paper presentation session of the **International Conference on Computational Biotechnology and Nanotechnology** at Vivekananda College of Engineering for Women, Tiruchengodu on 24. 2.2010.
12. Chaired a Key note lecture and paper presentation session of the **National Symposium on Recent Trends in Algal Biotechnology** organized by Mar Athanasios College for Advanced Studies, Thiruvalla, Kerala – 689 010 on 5. 8. 2010.
13. Chaired a paper presentation session of the **International Conference on Aquatic Microbiology (Status, Challenges and Opportunities)** organized by CAS in Marine Biology, Annamalai University Parangipettai – 608 502, September 3, 2010.
14. Chaired a special lecture session of the **National Symposium on Marine Plants -** Jointly organized by CAS in Marine Biology, Annamalai University Parangipettai – 608 502 and Seaweed Research and Utilization Association, Mandapam on September 25, 2010.
15. Chaired a paper presentation session of the National Seminar on “**Recent Trends in Microbial Technology with Special Reference to Extremophiles**” Organized by the Department of Microbiology, Periyar University, Salem 636 011 on October 21, 2010.
16. Chaired a paper presentation session of the International Seminar and workshop on “**Sustainable Utilization of Tropical Plant Biomass**” Organized by the University of Kerala, Thiruvananthapuram – 695 584 on December 15, 2010.
17. Chaired a paper presentation session of the “**International Conference on Implications of Biotechnology on Biodiversity and its Conservation**” organized by the Department of Plant Biology and Plant Biotechnology, Ethiraj College for Women, Chennai - 600 008 on 27 January 2011.
18. Chaired a paper presentation session of the “**International Conference on “Impact of Physical Sciences on Biology (ICIPB 2011)”**” organized by Queen Mary’s College, Chennai 600 004 during July 8, 2011.
19. Chaired plenary lecture session of the “**Indo-UK Conference on Shrimp Aquaculture: Challenges & Innovative Solutions (SACIS - 12)**” organized by The Department of Bioinformatics, Bharathidasan University, Tiruchirappalli – 620 024 during January 26, 2012.
20. Chaired plenary lecture session of the “**National Symposium on Prospects and Retrospects in Microbial Technology**” organized by the Department of Microbiology and Biotechnology, Cauvery College for Women, Tiruchirappalli 620 018 jointly with the Department of Microbiology, Bharathidasan University, Tiruchirappalli 620 024 on February 17, 2012.
21. Chaired a paper presentation session (Microbiology) of the 12th **Tamil Science Conference** (Tamilnadu Science Organization) organized by the Periyar University, Salem 636 011 on August 24, 2012.
22. Chaired a paper presentation session of the National Symposium on “**Fundamental and Applied Phycology**” organized by the Department of Botany, Punjabi University, Patiala – 147 002 on March 26, 2013.
23. Chaired a paper presentation session of the National Seminar on “**Current Trends in Infectomics**” organized by the Department of Microbiology, Periyar University on February 21, 2014.
24. Chaired a paper presentation session of the National Conference on “**Fungal diversity and Biotechnology for Food and Chemicals**” organized by the Mycological Society of India and the Centre of Advanced Studies in Marine Biology, Annamalai University, Parangipettai - 608 502 during February 28, 2014.

25. Chaired invited paper presentation session of the National Conference on “**Challenges and future prospects of applied research in Life Sciences**” organized by the Department of Biochemistry, Bharathidasan University, Tiruchirappalli – 620 024 on February 6, 2015.
26. Chaired invited paper presentation session-V of the “**International Conference on Biodiversity and Bioactive Natural Products for Human Welfare**” organized by the Department of Botany, Government Arts College, Karur – 639 005 on February 11, 2016.
27. Co-Chaired in the Technical Session 6 of the “**International Conference on Advances in Algal Biotechnology**” organized by the School of Biosciences and Technology, VIT University, Vellore – 632 014 and Seaweed Research and Utilization Association, Parangipettai – 608 502 on 11. 8. 2016.
28. Chaired invited paper presentation session of the “**International Conference on Environment and Health in Changing Climate**” organized by the Department of Environmental Biotechnology, Bharathidasan university, Tiruchirappalli – 620 024 on September 15, 2016.
29. Chaired in the poster presentation session of the “**National Conference on Basic and Applied Researches in Plants and Microbes**” organized by Department of Botany, Punjabi University, Patiala – 147 002, Punjab on November 4, 2016
30. Co-chaired Oral Session on Biomedical and Pharmaceutical Sciences of the **10th NABS National Conference on “Recent Trends in Life Sciences: Research, Practice and Applications for Sustainable Development**” organized by the Departments of Botany and Zoology, Bharathiar University, Coimbatore and National Academy of Biological Sciences, Chennai on 8th September 2017.
31. Chaired an invited paper presentation and oral sessions in the **National Conference on Algal Diversity and Resource Status: Current Trends in Utilization and Prospects for Innovation** organized by PG & Research Department of Botany & Marine Ecology and Conservation Lab, PG & Research Department of Zoology, V.O. Chidambaram College, Tuticorin – 628 008 jointly with Seaweed Research & Utilization Association & Krishnamurthy Institute of Algology on September 22, 2017.
32. Chaired a Technical Oral presentation Session in the **National Conference on “Recent Advances in Modern Biology and Rural Development” (RAMBARD-2017)**” organized by the PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi – 613 503, Thanjavur Dt. in collaboration with the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on October 6, 2017.
33. **Chaired** a Technical Oral presentation Session in the **National Symposium on “Advances in Biology of Algae and Cyanobacteria**” organized by Centre of Advanced Studies in Botany, Banaras Hindu University, Varanasi – 221 005 on 9th February, 2018.
34. **Chaired** a technical Oral presentation Session in the “**International Conference on “Emerging areas of Biotechnology for Human Welfare and Bioentrepreneurship**” organized by the School of Life Sciences, B.S. Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 11 September 2018.
35. **Chaired** a technical Oral presentation Session in the **National Seminar on “Recent Trends in Microbial Technology**” organized by the Department of Botany, Government college of Arts, Science & Commerce, Quepem, Goa – 403 705 on February 8 – 9, 2019.
36. **Chaired** a Plenary lecture session in the **National Seminar on Recent Trends in Biosciences organized** by the Department of Biochemistry and Microbiology in collaboration with St. Peter’s Institute of Higher Education and Research, Avadi, Chennai – 600 054 on 7.8.2019.
37. **Chaired** a technical session in the “**Two Day International Conference on Innovating Pedagogy 2019: Language, Literature and Vocational Education**” organized by the Institute for Entrepreneurship and Career Development (IECD) and DDU KAUSHAL Kendra,

Bharathidasan University, Tiruchirappalli 620 023 in collaboration with University pendidikan Sultan Idris and Universiti SAINS, Malaysia on 18.8.2019.

38. **Chaired** a Prof. M. O. P. Iyengar Endowment lecture, Plenary lecture, and Oral presentation sessions in the **Prof. T.V. Desikachary Birth Centenary International Symposium on Biodiversity, Biology and Biotechnology of Algae – ISBBBA-2020** organized by CAS in Botany, University of Madras, Chennai on 8th January 2020.
39. **Co-Chaired** in the Technical session 1 - Prof. S. Kannaiyan Memorial Oration-1 on 26th August 2021 and **Chaired** in the Technical session 3- Basic Sciences – 1 on 27th August, 2021 in the **First NABS-International Conference on “Life Sciences: Contemporary approaches in Biological Science for Food, Health, Nutrition Security and Conservation of Biodiversity”** organized by the Faculty of Agriculture, Annamalai University & National Academy of Biological Sciences (NABS) on August 26 -27, 2021.
40. **Chaired** a Technical session - 1 (Special Lectures) in the **National Level Conference on Biotechnology and OMICS Sciences (BIO-OMICS-2022)** organized by the Department of Biotechnology, Alagappa University, Karaikudi on 27th May, 2022.
41. Chairperson in a technical session on **Ethics on Science and Society** in the **XLVI Indian Social Science Congress** jointly organized by **Indian Social Science Academy**, Allahabad & Bharathidasan University, Tiruchirappalli – 620 024 during 27th to 31st January 2023.

27. Graduation Day Address:

1. As a Chief Guest delivered **Graduation Day address** in **Jairams College of Arts & Science & Jayaram College of Education**, Karur – 639 003 on August 9, 2015.
2. As a Chief Guest delivered **Graduation Day address** in **Rajagiri Dawood Batcha (RDB) College of Arts and Science & RDB College of Education**, Papanasam - 614 205, Thanjavur on 16.3. 2017.
3. As a Chief Guest delivered 23rd **Graduation Day address** in **Kamban College of Arts Science** for Women, Thiruvannamalai – 606603 on 14.10. 2023.
4. As a Chief Guest delivered **Graduation Day address** in **Cauvery College for Women**, Tiruchirappalli – 620 018 on 25. 2. 2024.
5. As a Chief Guest delivered **Graduation Day address** in **Naina Mohamed College of Arts Science**, Rajendrapuram, Aranthangi – 614 616 on 26.2. 2024.
6. As a Chief Guest delivered **Graduation Day address** in **Jairams College of Arts Science**, Karur – 639 003 on 31.3. 2024

28. Resource person in the Training programme conducted:

1. **STORMCUP'92** - National level workshop on Advanced Techniques on Cyanobacterial Research. Feb. 3- 13, 1992.
2. **STORMCUP'94** - National level workshop on Advanced Techniques on Cyanobacterial Research. Jan. 31 - Feb. 11, 1994.
3. **STORMCUP'95** - National level workshop on Advanced Techniques on Cyanobacterial Research. Feb 6 – 18, 1995.
4. **STORMCUP'96** - National level workshop on Advanced Techniques on Cyanobacterial Research Feb 9 - 19, 1996.
5. **WORTIC '99**- National level workshop on Advanced Techniques on Cyanobacterial Research February 9 – 19, 1999.
6. **WORTIC,2001** - National level workshop on Advanced Techniques on Cyanobacterial Research March 19 – 30, 2001.

7. **WORTIC,2002** - National level workshop on Advanced Techniques on Cyanobacterial Research March 19 - 30 2002.
8. **WORTIC,2003** - National level workshop on Advanced Techniques on Cyanobacterial Research March 17- 30, 2003.
9. **WORTIC,2004** - National level workshop on Advanced Techniques on Cyanobacterial Research March 15- 27, 2004.
10. **WORTIC,2005**- National level workshop on Advanced Techniques on Cyanobacterial Research February 21 - March 4, 2005
11. **WORTIC,2006**- National level workshop on Advanced Techniques on Cyanobacterial Research February 20 - March 4, 2006
12. **WORTIC,2007**- National level workshop on Advanced Techniques on Cyanobacterial Research March 19 - 25, 2007.

29. Overseas Students Research Training:

1. **Ms. Madeleine Nina Love Ngo Mback**, Ph.D. Student of Biochemistry, **University of Yaounde, Cameroon** have undergone research training for six months from October 2017 to April 2018 through **C V Raman International Fellowship for African Researchers (DST, Govt. of India)**
2. **Mrs. Wafa'a Al-Rashed**, Associate Research Scientist, Kuwait Institute for Scientific Research Aquaculture, Fisheries and Marine Environmental Department, P.O. Box 1638, 22017, Salmiyah, Kuwait, have underwent a special training on basics and applied aspects of Marine Cyanobacteria and instrumentation techniques during 4 - 14 February, 2019

30. Research Training to Indian Researchers.

1. **Research Training** given to **Dr. A. Panneerselvam**, Reader in Dept. of Botany and Microbiology, A.V.V.M. Sri Pushpam College Poondi, Thanjavur on Molecular biology related techniques for a period of one month (February 2004) through his **INSA-Visiting Fellowship award**.
2. **Research Training** given to **Dr. N. Mohan**, Reader, Center for Advanced Studies in Botany, University of Madras, Chennai-25 on Molecular biology related techniques (RAPD-PCR, Genomic DNA isolation) for a period from 26-09-2005 to 30-09-2005.
3. **Research Training** given to **Dr. Farista Yasmin**, Assistant Professor and her research scholar **Ms. Bharat Banti Buragohain** Phycology Laboratory Department of Botany Nowgong College, Nagaon – 782 001, Assam on biodiversity and molecular taxonomy of microalgae during 9 to 19th October 2010.
4. **Research Training** given to **Ms. A. Ezhilarasi**, Research Scholar, CAS in Botany, University of Madras, Guindy, Chennai – 600 025 on molecular taxonomy of cyanobacteria (RFLP, RAPD, PCR) during September 2004.
5. **Research Training** given to **Mr. Vinod Nagle**, Research Scholar, National Institute of Oceanography, Dona Paula, Goa - 403 004, on identification of cyanobacteria during 5 – 9 December 2001.
6. **Research Training** given to **Ms. Dharitri Borah**, Research Scholar, Department of Ecology and Environmental Science, Assam University, Silchar – 788 011, Assam on molecular characterisation of cyanobacteria collected from North East India during November 2012.
7. **Research Training** given to **Ms. G. Karthika, Ms. S. Ashmitha, Ms. S. Pavithra and Ms. S. Srija**, B.Tech. (Genetic Engineering students, SRM University, Kattankulathur – 603 203, on molecular characterisation of cyanobacteria during 18– 29, June, 2013.

8. **Research Training** given to **Ms. S. Seema**, Research Scholar, Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science & Technology, Chennai – 600 119 on Bioinstrumentation during 26 December 2017 – 31. January 2018.
9. **Research Training** given to **Ms. P. Sivasankari**, Research Scholar, Department of Biotechnology, Kamaraj College of Engineering & Technology, Viruthunagar During 8th January – 7th February November 2018.

31. **Membership in Professional Societies**

1. Association of Microbiologist of India., Tiruchirappalli unit (Member 1989-1999).
2. Seaweed Research and Utilization Association - Life Member from 2001
3. Member in the Editorial Board- Seaweed Research and Utilization Journal.
4. Indian Phycological Society, New Delhi (from 2006).
5. Indian Association of Applied Microbiologists - Life Member – from August 2010
6. National Academy of Biological Sciences - Life member - from November 2010
7. Indian Science Congress Association - Life Member - from June 2012
8. Mycological Society of India - Life Member - from 28.2.2014
9. Society for Plant Research (Life Member – from 21.9.2016)
10. Member in the Editorial Board – Vegetos – An international Journal of Plant Research & Biotechnology (Thompson Reuter IF- 0.042, Scopus IF-0.18)
11. Swamy Botanical Club - Life Member from 19.9.2019
12. The Fisheries Technocrats Forum - Life Member from 31.10.2020
13. Microbiologists Society of India (MBSI) - Life Member from August 2021
14. Society of Chemical & Synthetic Biology - Life Member from September 2022
15. Indian Association of Biomedical Scientists (IABMS) - Life Member from November 2022.

32. **Prizes, Medals and Other Honours received:**

Elected Fellow

1. Elected **Fellow of Linnean Society of London (FLS)** from 24th May, 2022
2. Elected **Fellow of Royal Society of Biology (FRSB)** London from 1st January 2022.
3. Elected **Fellow of Mycological Society of India (FMSI)** for the year 2021.
4. Elected **Fellow of Microbiologists Society, India (FMBSI)** for the year 2022
5. Elected **Fellow of National Academy of Biological Sciences (FNABS)** from 2020.

Awards

6. Awarded **Merit Certificate** from Indian Botanical Society (1989).
7. Received **DBT Overseas Associateship Award** [Long-term] (1994-1995) from the Dept. of Biotechnology, Govt. of India.
8. Received **Certificate of Appreciation** from Bharathidasan University for the research work leading to the development of valuable new technologies in the area of marine cyanobacteria (2001).
9. Received **Professor Probir Chatterjee Memorial Lecture Award** 2008, University of Calcutta, Kolkata.
10. Received **Best Research Advisor Award** 2013, Eco Club, H.H. The Rajah's Govt. College, Pudukkottai

11. Received Dr. G. S. Venkataraman Memorial NABS-Best Scientist Award of National Academy of Biological Sciences for the year 2014
12. Received Tamil Nadu Scientist Award (TANSA-2014) in Biological Sciences from Tamil Nadu State Council for Science & Technology, Government of Tamil Nadu, Chennai.
13. Received **BSR - One Time Grant** from University Grants Commission, New Delhi (2015–2016).
14. Received **Professor T.V. Desikachary Endowment Lecture Award** 2017, University of Madras, Chennai.
15. Received Prof. M.S. Swaminathan NABS-Leadership Award of National Academy of Biological Sciences for the year 2017.
16. Received **Prof. V. Krishnamurthy Endowment Lecture Award** 2018 of Seaweed Research and Utilization Association on 21st September 2018, Madras Christian College (MCC), Chennai - 600 059, Tamil Nadu, India.
17. Received **K. Chidambaram Memorial Annual Award – 2019** of Fisheries Technocrat Forum, Chennai on 31st October 2020 for my significant and outstanding contributions in Plant Microbiology.
18. Received **National Level Senior Scientist Award** from Microbiologists Society, India (MBSI) (2021)
19. Received **Life Time Achievement Award** for the year 2022 from the Society of Chemicals and Synthetic Biology.
20. Received **Dr. V. Agnihotrudu Memorial Lecture Award** of Mycological Society of India during 49th Annual meeting of MSI, Bilaspur, Chhattisgarh on 28th November, 2022
21. Received prestigious **M.K. Nambiar Memorial Oration Award with Gold Medal** from Indian Association of Biomedical Scientists (IABMS) during 43rd Annual Conference of IABMS on 19th December, 2022 at Sri Sri University, Cuttack, Odisha, India.
22. Received **NABS Foundation Day Lecture Award – 2023** from National Academy of Biological Sciences (NABS) on 10th March 2023.
23. Received **Eminent Scientist Award** from the International Conference on Recent Advances in Animal Biology and Conservation, University College, Thiruvananthapuram, Kerala on December 21, 2023.
24. **Listed under Top 2% Scientist of the World** in Microbiology published by Stanford University, USA (2020, 2021, 2022 & 2023)

33. Refresher courses / Orientation Courses /Training programs attended:

1. Participated **Academic Leadership Development Program** (under **LEAP**) organized by the National Institute of Education Planning and Administration (NIEPA), New Delhi during March 13 – 21, 2020
2. Participated Four Day **Training Programme on Academic Leadership** organised by the Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 jointly with the Centre for Academic Leadership & Educational Management (CALEM) of Aligarh Muslim University under PMMMNTT of MHRD, Govt.of India, during April 24 - 27, 2019
3. Participated UGC – Sponsored **Two-day Workshop for Academic Administrators on Institutional Assessment and Accreditation** on 12 & 13 March 2018 organized by UGC-Human Resource Development Centre and Internal Quality Assurance Cell, Bharathidasan University, Tiruchirappalli – 620 024.

4. Attended **Special Laboratory Training on Flowcam, FACS Aria, Flow-cytometry, GC-MS, LC-MS & Molecular Biology** at Plymouth Marine Laboratory (PML), Plymouth, United Kingdom during 14 – 21 June, 2014.
5. Participated workshop on “**Reform of Under Graduate and Post Graduate Curriculum for enhancing Employability**” organized by Curriculum Development Cell on 22.11.2012 exclusive for chairpersons of Board of Studies, Bharathidasan University.
6. Participated **Orientation Workshop on SWAYAM** organized jointly by the Department of Library & Information Science and UGC - Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 024 on 3.5.2018.
7. Attended UGC Sponsored **Refresher Course** in Botany on ‘Plant Breeding, Biotechnology and Biochemistry’ conducted by the Department of Plant Science, Bharathidasan University, Tiruchirappalli from 10.03.2000 to 30.03.2000.
8. Attended UGC Sponsored **Orientation Course** on ‘Value Education’ conducted by Academic Staff College, Bharathidasan University, Tiruchirappalli from 21. 2. 2003 to 20. 3. 2003.
9. Attended **WOBIC** (Workshop on Bioinformatics for Cyanobacteriologists) and **WORTIC** (Workshop on Research Techniques in Cyanobacteriology) during March 11 – 29, 2002 organized by Bioinformatics Centre & National Facility for Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli – 620 024.
10. Participated Dept. of Biotechnology (Govt. of India) sponsored “**International Bioenergy Summit 2012 - Algae & Synthetic Biology: Potential for Biofuels**” organized by The Energy and Resources Institute (TERI), New Delhi – on 5 – 6 November, 2012.
11. Participated “**UK-India Industry - Academia Workshop on Bioenergy**” organized by the Department of Biotechnology (Govt. of India) and Biotechnology & Biological Sciences Research Council (BBSRC), United Kingdom on 13 - 14 February, 2014, New Delhi.
12. Participated “**Global Biotechnology Summit’ 2016**” on the occasion of 30 years of Department of Biotechnology, organized by the Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India during 5-6th February, 2016 at Vigyan Bhawan, New Delhi.
13. Participated “**Zeiss Confocal Workshop**” at Zeiss India Microscopy Division, Head Office, Bangalore – 560 099 during January 16 – 18, 2017.
14. Participated **Mission Innovation India - First Workshop on Innovation Challenge - Sustainable Biofuel Innovation Challenge**” organized by the Department of Biotechnology, Govt. of India at International Centre for Genetic Engineering and Biotechnology, Jawaharlal Nehru University, New Delhi, Delhi 110067 on 9th October 2017.

34. Conferences / Symposia / Refresher Course/ Summer School/ Workshops Organized:

1. Organized **National Symposium on Marine Algal Research in India – Prospect & Retrospect** jointly with Seaweed Research & Utilization Association at Bharathidasan University, Tiruchirappalli – 620 024, August 16 – 18, 2001 - As **Organizing Secretary**.
2. Organized **National Symposium on Microalgal Biotechnology**, Bharathidasan University, Tiruchirappalli – 620 024, March 11-13, 2004 – As **Organizing Secretary**.
3. Organized **UGC Sponsored Refresher Course in Microbiology – Theme: Recent Advances in Microbial Technology**, during November, 1 – 21, 2004 – As **Course Co-Ordinator**.
4. Organized **National Symposium on Current Scenario in Microbial Technology** Bharathidasan University, Tiruchirappalli – 620 024 during January 3 – 5, 2008 – As **Organizing Chairman**.
5. Organized **National Symposium on Microbial Biodiversity, Bioremediation and Biotechnology**, jointly with the Department of Microbiology & Biotechnology, Cauvery College, Tiruchirappalli during July 28 & 29, 2008 – As **Organizing Chairman**.

6. Organized **UGC Sponsored Special Summer School in Biosciences** for College & University Teachers during July 22 to August 11, 2008 – **As Course Co-Ordinator.**
7. Organized **“Seminar on Immunology & Immunotechnology”** jointly with Indian Immunological Society, New Delhi, at Bharathidasan University, during September 18 & 19, 2009 – **As Organizing Secretary.**
8. Organized two days’ workshop on **“Advanced Molecular and Immunological Techniques in Biology”** jointly with Department of Zoology, Government Arts College for Women, Pudukkottai during 8 & 9th October, 2009.
9. Organized **“INSPIRE (Innovations in Science Pursuit for Inspired Research) Internship Programme** sponsored by the DST (Govt. of India) for the X to XII standard students during 11-15th May, 2010 at Bharathidasan University as **Course Co-ordinator.**
10. Organized 2 days workshop (in 2 batches) on **Entrepreneurship programme of Oyster Mushroom cultivation technology for SC/ST population in and around Tiruchirappalli District** (Sponsored by DBT, Govt. of India) during 19th – 22nd May 2010 as **Co-ordinator.**
11. Organized one day workshop on **“Molecular tools, techniques and applications”** jointly with Research and Development Cell, A.V.C. College Mannampandal, Mayiladuthurai – 609 305 on 29th January, 2011.
12. Organized **“INSPIRE (Innovations in Science Pursuit for Inspired Research) Internship Programme** sponsored by the DST (Govt. of India) for the XI standard students during 16- 20th May, 2011 at Bharathidasan University as **Course Co-ordinator.**
13. Organized **Indo-UK conference on “Shrimp aquaculture: Challenges and Innovative solutions”** funded by Royal Society, London on January 25 - 26, 2012 at Bharathidasan University, Tiruchirappalli, India – **as Convenor**
14. Organized two days "National seminar on **Microbes and Human Welfare**" jointly with the National Academy of Biological Sciences at Bharathidasan University, Tiruchirappalli - 620 024 on 20 & 21 July 2013 as **Co-ordinator.**
15. Organized National Conference on **"New Opportunities and Challenges in Microbial Research"** (MICREC-13) Bharathidasan University, Tiruchirappalli – 620 024 during September 5 – 6, 2013 – **As Organizing Chairman.**
16. Organized **“INSPIRE (Innovations in Science Pursuit for Inspired Research) Internship Programme** sponsored by the DST (Govt. of India) for the XI standard students during 26- 30th December, 2013 at Bharathidasan University - **As Course Co-ordinator.**
17. Organized three days **“National Conference on Progress in Algology in the Indian Context”** jointly with the Krishnamurthy Institute of Algology, Chennai at Bharathidasan University, Tiruchirappalli – 620 024 during September 19 – 21, 2014 - **As Convenor.**
18. Organized one-day workshop on **“Molecular techniques”** jointly with PG & Research Department of Microbiology, STET Women’s College, Mannargudi on 10th January, 2015.
19. Organized one-day workshop on **“DNA Finger Printing”** jointly with PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi - 613 503, Thanjavur District on 3rd October, 2015.
20. Organized one-day workshop on **“Advanced Molecular Techniques - 2015”** jointly with Department of Biochemistry, Biotechnology and Microbiology, Bharathidasan University Constituent College for Women, Orathanadu – 614 625, Thanjavur District on 31st October, 2015.
21. Organized **UGC-Human Resource Development Centre (HRDC) Sponsored Refresher Course in Life Sciences**, during March, 3 – 23, 2016 – **As Course Co-Ordinator.**
22. Organized **UGC-Human Resource Development Centre (HRDC) Sponsored Refresher Course in Life Sciences**, during November 8 - 28, 2016 – **As Course Co-Ordinator.**

23. Collaborative workshop on “**Standards for Food and Water Quality examination with emphasis on Microbiological Techniques of detection, identification and enumeration of human pathogens**” organized by the Department of Microbiology, M.R. Government Arts College, Mannargudi – 614 001 during 28 - 29 December, 2016 – **As Collaborator**.
24. Co-organized two days *National Conference on “Recent Advances in Modern Biology and Rural Development” (RAMBARD-2017)* jointly organized by the PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi – 613 503, Thanjavur Dt. on October 6 & 7, 2017 - **As Co-Organizer**.
25. Organized DST-PURSE Sponsored **Workshop on “Edible Mushroom Cultivation for Self Employment of Rural Population”** on 22nd and 23rd February 2018 – **As Convenor**.
26. Organized **UGC-Human Resource Development Centre (HRDC) Sponsored Refresher Course in Life Sciences**, during June 19 – July 9, 2018. – **As Course Co-Ordinator**.
27. Organized 4 days **Training programme on “Innovative Technology of Oyster Mushroom cultivation for self-employment of Rural population”** (Sponsored by TNSCST, Chennai) during February 18 – 21, 2019 as **Convenor**.
28. Organized **National Seminar on Microbes in Women Health** jointly with the Trichy Obstetric and Gynaecological Society (TRIOGS) on **July 11-12, 2019 as Organizing Chairman**.
29. Organized DST-PURSE Sponsored **International e-Conference on Cyanobacterial and Algal Biotechnology (CAB-2020)** on 18 – 20 December 2020 as **Organizing Secretary**.
30. Organized a **National Level Seminar on “Future of Algal Biotechnology”** jointly with The Microbiologists Society of India (MBSI) on June 18, 2022 at the Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamil Nadu as **Organizing Chairman**.
31. Organized an **International Seminar on Recent Trends in Biological Sciences** under **Crescent Global Outreach Mission (CGOM)**, B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai -600048 in association with the Microbiologists Society, India (MBSI) on February 13, 2024.

35. All India Radio Talk:

1. Gave a talk on “**Marine Biotechnology-A Potential Unexploited**” broadcasted on 14.09.1989, 8.00 pm. (Ref. No. TIR-15(5) 89-P3/Y dated 28-08-1989).
2. Gave a talk in Tamil on “**நுண்பாசிகளின் பயன்கள் (Applications of Microalgae)**” broadcasted on 11.04.2004, 7.00 am. (Ref. No. TIR-15(5)/2004-P1/NF E/972 dated 29-03-2004).
3. Gave a talk in Tamil on **சயனோபாக்டீரியங்களில் உயிர்தொழில்நுட்பங்கள் - நேர்முகம் (Cyanobacterial Biotechnology)** broadcasted on January 05, 2006, 8.45 am. (Ref. No. TIR-16(1)/2005-P3/SNT/6744 dated December 15, 2005).
4. Gave a talk in Tamil on “**மாற்று எரிபொருள் தொழில்நுட்பம் (Alternate Biofuel Technology)**” broadcasted on February 18, 2016, 7.00 am (Ref. No. TIR-15(5)/2015/S&T dated 8 January, 2016).

36. Acted as Doctoral Committee Member to the following Ph.D Candidates: 170 candidates

No.	Name of the candidates	University Reference No.
1	M. Hemalatha	15122/Ph.D1/PT/Bot./Jan.1999 dated 14. 10, 1999
2	U. Sellaganapathy	08737/Ph.D1/FT/Bot./Jan.1999 dated 23. 11. 1999
3	R. Sagayagiri	11179/Ph.D1/FT/Bot./Jan.1999 dated 23. 11. 1999

4	R. Vellaiyan	004109/Ph.D. 1/PT/ Bot./Jan. 2000 dated 10.3.2000
5	M. Gopinathan	17537/Ph.D1/FT/Bot./Jan.2000 dated 23. 3. 2000
6	R. Murugan	19086/Ph.D1/FT/Bot./Jan.2000 dated 20. 7. 2000
7	J. John	14415/Ph.D1/PT/Bot./Oct. 1999 dated 9. 8. 2000
8	R. Pragash Raj	03417/Ph.D1/FT/Zoology/Jul.2000 dated 3. 8. 2000
9	V. Mahesh	17945/Ph.D1/FT/Bot./Jan.2000 dated 4.9.2002
10	Vijay Antony*	21469/Ph.D1/FT/Int.Dis/Jan.2001 dt. 10. 4. 2001
11	S. Mohan*	21468/Ph.D1/FT/Int.Dis/Jan.2001 dt. 10.3.2001
12	C. Karthikeyan*	13898/Ph.D1/FT/Bot.Microbio./Oct.2001 dt. 23.10. 2001
13	S. Ganesh Manikandan*	05958/Ph.D1/FT/Bot.Microbio./Oct.2001 dt. 23.10.2001
15	M. Veerapagu	23951/Ph.D1/FT/Bot.Microbio./Jan.2002 dt. 24.1.2002
15	S.S. Sudha*	20464/Ph.D1/FT/Bot.Microbio./Jan.2002 dt. 24.1.2002
16	R. Senthil Kumar*	00324/Ph.D1/FT/Bot.Microbio./Jan.2002 dt. 24.1.2002
17	K. Jayachitra*	0014/Ph.D1/FT/Bot.Appl.Microbio./Apr.2002 dt. 16.4.02
18	D. Dhanasekaran*	04183/Ph.D1/FT/Bot.Microbio./Jul.2002. dt. 24.6. 2002
19	E. Sudhakar	25510/Ph.D1/FT/Biotech./Jan.2002 dated 17. 02. 2003
20	G. Sathyanarayanan	20159/Ph.D1/FT/Appl.Microbio./Jan.2002 dt 25.2.2003
22	S. Sivasuriyan	30404/Ph.D1/FT/Zoology/Apr. 2003 dated 25.4.2003
22	N. Chadrakala	25648/Ph.D1/FT/Zoology/Apr. 2003 dated 25. 4. 2003
23	S. Vijaykumar	17393/Ph.D1/FT/Bot./Oct.2002 dated10.4.2003
24	K. Suresh	18849/Ph.D1/FT/Bot./Apr.2003 dated 5. 8. 2003
25	K. Mahesh	00319/Ph.D1/FT/Microbiology/Apr.2003 dt 14.11.2003
26	R. Vijaykumar*	2631/Ph.D1/FT/Microbiology/Apr.2004 dated 13.5.2004
27	K. Panneerselvam	01789/Ph.D1/FT/Appl.Microbio./Apr.2003 dt. 13. 5. 2004
28	S. Kasthuri Rengan	25377/Ph.D1/FT/Biotechnology/Jan.2003 dt. 18.2.2004
29	V. Mohan Srinivasa	SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03
30	S. Manivannan	SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03

31	N. Mahesh	SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03
32	C. Subatra Devi	SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03
33	S. Vijayalakshmi	SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03
34	T. Ravimanickam	25669/Ph.D –1/Biotech/P.T/October 2004 dt. 1. 3. 2005
35	G. Kanimozhi	989/Ph.D – 1/ Microbiol/ F.T/April 2005 dated 6.4. 2005
36	T. Senthilkumar	25880/Ph.D – 1/Botany /F.T/Jan. 2005 dated 18.3.2005
37	T. Sivakumar	20845/Ph.D – 1/Microbiol/FT/October 2004 dt. 27.12.05
38	S. Meenakumari	26297/Ph.D. 1/ Biotech./ PT/ April 2004 dt 30.12. 2005
39	A. Leela	23007/Ph.D – 1/Biotechnol/FT/Jan. 2006 dated 09.01.06
40	R. Jeyalakshmi	28249/Ph.D1 /Bioinformatics/PT/Apl. 2004 dt. 29.3.2004
41	J. Kandakumar	24998/Ph.D–1/Biotech/FT/Re-regn./Oct.2004 dt. 30.1.06
42	K. Karthikeyan	6104/Ph.D. –1/FT/Botany/FT/July 2005 dated 22.03.06
43	J. Joseph Sahaya Rayan	3691/Ph.D - 1/Biotechn./FT/April 2005 dated 06.04.06.
44	S. Nethaji	22428/Ph.D – 1/Mic.Biol./FT/Oct. 2005 dated 28.04.2006
45	M. Kannahi	26869/Ph.D. –1/Mic.Biol./FT/Jan. 2006 dated 1.06.2006
46	M. Muthuselvam	32266/Ph.D. –1/Mic. Biol./FT/Jan. 2006 dated 1.06.2006
47	J.Rajesh Kumar	15947/Ph.D. –1/Botany/P.T./jan. 2006 dated 12.06.2006
48	P. Malaiyarasa Pandian	29347/Ph.D1/Microb./P.T/Jan.2006/ dated 28.07.2006
49	M.Suresh	8794/Ph.D1/Microb/P.T/July 2006 dated 28.07.2006
50	S. Selvakumar	24379/Ph.D-1/Micro/PT/Oct.,2006 dated 08.11.2006
51	K. Suthindhiran	VIT/Dir(AR)/Ph.D./SBEBKS/2006/004 dt. 20.11.2006
52	T. Gnana Sakthivel	29169/Ph.D.-1/Bioinformat/P.T./Jan. 2007 dt.27.01.2007
53.	K. Chandran	35884/Ph.D. – 1)Bot./FT/April 2007 dated 25. 6. 2007
54.	S. Ramakrishnan	153/Ph.D. 1/Chem / FT/ April 2005 dated 23. 4. 2007
55.	S. Ramkumar	3307/Ph.D. 2/ Bio-Tech / PT/April 2007 dated 8.06.2007
56.	A. Vidya	923927/Ph.D.1/Microbiotech/FT/April 2007 dt 13.6.2007
57	A. Riyas Deen	30508/Ph.D. 1/Ani. Sci./FT/ April 2007 dated 2. 8. 2007

58.	J. Renga Ramanujam	19279/Ph.D1/Microb./F.T./Oct.2007 dated 14.2.2008
59	T.L. Deepika	VIT/Dir.(AR)/Ph.D./SBCBE/&BMR/0810259 dt. 26.3.2008
60	Benita Mercy Rajan	VIT/Dir.(AR)/Ph.D./SBCBE/&BMR/0810259 dt. 26.3.2008
61	S. Shakilanishi	VIT/Dir.(AR)/Ph.D/SBST/11PHD0126/1110405 dated 7.3.2012
62	Gaurav Kumar	VIT/Dir.(AR)/Ph.D1/SBCBE/08PHD077/0811096 dt.17.12.08
63	L. Karthic	VIT/Dir.(AR)/Ph.D1/SBCBE/08PHD076/0811097 dt.17.12.08
64	S. Yasodhoai	6340/Ph.D.1/Zoology/PT/July 2006 dated 17. 12. 2008
65	J.Jakeer Prabhakaran	SRMU/D/M&HS/2009/2453 dated 4.3.2009
66	R. Thenmozhi	29508/Ph.D.1/Microbiology/F.T/Jan.2009 dt. 30.03.2009
67	A. Amatussalam	5340/Ph.D.1/Envir.Bio/P.T./July – 07 dated 3. 4. 2009
68	D. Praveen Kumar	2061/Ph.D.1/Microbiology/F.T./April.2009 dt. 18.5.2009
69	P.K. Soju	6037/Ph.D.1/Microbiology/F.T./April.2009 dt. 18.5.2009
70	Anitha Upadhyaya	36766/Ph.D1/Microbiology/F.T./April 2009 dt. 18.5.2009
71	U. Ganesan	30564/Ph.D.1/Microbiology/F.T/April'09/dt. 27. 10. 2009
72	P. Sathish Kumar	22911/Ph.D.1/Plant Biotech/F.T/Oct'09 dt. 1.12.2009
73.	T. Anto Thomas	37131/Ph.D.1/Microbiology/F.T/Jan' 2010 dt. 10.5. 2010
74.	S. Thenmozhi	5930/Ph.D.1/Microbiology/P.T/July 2010 dt. 22.7.2010
75	R.K. Sujatha	5928/Ph.D.1/Microbiology/P.T/July 2010 dt. 22.7.2010
76	Rachana V Nair	35701/Ph.D.1/Microbiology/PT/July 2010 dt. 5.8.2010
77	Winnie Fred Crossia	4578/Ph.D.1/Microbiology/F.T/April 2010 dt. 19.8.2010
78	V. Mahesh	KU/08 Oct 2010/ BT/Ph.D/FT/003/dt. 5.10.2010
79	M. Ravichandran	KU/08 Oct 2010 /BT/Ph.D/FT/009/dt. 5.10.2010
80	E.S, Adithya	KU/09 Jan 2010/BT/Ph.D/FT/001/ dt. 5.10.2010
81	Hephzibah Christabel	KU/09 Jan 2010 /BT/Ph.D/FT/002/dt. 5.10.2010
82	John Francis	KU/09 Jul 2010/BT/Ph.D/FT/002/dt. 5.10.2010
83	P.K. Sajesh	KU/09 Jul 2010/BT/Ph.D/FT/003/dt. 5.10.2010
84	K.T. Manjula	KU/09 Jul 2010/BT/Ph.D/FT/004/dt. 5.10.2010

85	S. Vasanthi	KU/09 Jul 2010/BT/Ph.D/FT/008/dt. 5.10.2010
86	S. Nishaa	KU/09 Oct 2010/BT/Ph.D/FT/002/dt. 5.10.2010
87	M. Vishnupriya	KU/09 Oct 2010/BT/Ph.D/FT/003/dt. 5.10.2010
88	C. Gomathy	19854/Ph.D.1/Microbiology/FT/Oct. 2010 dated 16.11.2010
89	Ms Bency Thankappan	18624/Ph.D.1/Micro.Biotech/FT/July 2010 dated 23.11.2010
90	Ms. D. Asha	14423/Ph.D.1/Microbiology/F.T./Jan.2010 dated 1.12.2010
91	Mr. R. Bharathidasan	16293/Ph.D.1/Microbiology/F.T./Oct.2010 dated 10.12.2010
92	Mr. R. Thirumurugan	14691/Ph.D.1/Microbiology/P.T/Oct.2010 dated 4.1.2011
93	Mr.V. Baskar	17318/Ph.D.1./Microbiology/F.T/Jan.2011 dated 3.2.2011
94	Ms. E. Priya	24579/ Ph.D.1./Microbiology/P.T/Jan.2011 dated 3.2.2011
95	Ms. B. Krithiga	25588/ Ph.D.1./Microbiology/P.T/Jan.2011 dated 28.1.2011
96	Mr C. Rajasekar	36035/Ph.D.1./Plant Science/F.T./Jan.2009/dated 23.2.2011
97	Nithya Deva Krupa A	VIT/Dir.(AR)/Ph.D/SBST/10PHD0262/1101929 dt 14.6. 2011
98	Ms. B. Vaishnavi	VIT/Dir.(AR)/Ph.D/SBST/10PHD0271/1101901 dt. 1.6. 011
99	Ms. S. Jemimah Naine	VIT/Dir. (AR)/Ph.D/SBST/10PHD0300/1101900 dt. 1.6. 2011.
100	Mr. S. Silambarasan	VIT/Dir.(AR)/Ph.D/SBST/10PHD0465/1101952 dt. 21.6. 2011
101	Mr. L. Ashok kumar	PU/COE/RD4/Ph.D./6055/2011 dated 27.7.2011
102	Mr. C. Swaminathan	PU/COE/RD4/Ph.D./6052/2011 dated 27.7.2011
103	Mr. J. Johnson	PU/COE/RD4/Ph.D./6053/2011 dated 27.7.2011
104	Mr. P. Palanivel	PU/COE/RD4/Ph.D./6054/2011 dated 27.7.2011
105	Mr. G. Pazhanivel	42585/Ph.D.1/Microbiol./PT/January 2011 dated 10.8.2011
106	Mr. P.Prabhakaran	PU/COE/RD4/Ph.D./4509/2011 dated 27.9.2011
107	Ms. K.R. Leela	PU/COE/RD4/Ph.D./4510/2011 dated 27.9.2011
108	Ms. C. Angaleswari	GRI-DU/AC6(S)/Ph.D/2011 – 12/ 220 dated 8.9.2011
109	Mr. Darsan B. Menon	KU/10 Jul 2011/BT/Ph.D/FT/001/dated 17.11.2011
110	Ms. K. Ramya	KU/10 Jul 2011/BT/Ph.D/PT/0011/dated 17.11.2011
111	Ms. B. Uma Rani	KU/10 Jul 2011/BT/Ph.D/PT/0012/dated 17.11.2011

112	Mr. D. Pandiaraj	29770/Ph.D.1/Botany/Full time/October 2011 dt.12.12.2011
113	Ms. Jaseetha A. Salam	VIT/Dir.(AR)/Ph.D/SBST/11PHD0136/1103094 dt.29.12.2011
114	Ms. M. Nithya	16979/Ph.D.1/Microbiology/Full Time/April2012 dt. 14.5.2012
115	Ms. P. Packialakshmi	7016/Ph.D.1/Microbiology/Part Time/April 2012 dt. 29.5.2012
116	Mr. S. Manikandan	7244/Ph.D.1/Microbiology/Part Time/April 2012 dt. 11.6.2012
117	Mr. K. Shine	7643/Ph. D.1/Microbiology/full time/April 2012 dt. 29.6.2012
118	Mr.V. Vadivel	7270/Ph. D.1/Botany/part time/April 2012 dated 19.7.2012
119	Mr. B. Balaperiasamy	7642/ Ph. D.1/Botany/Full time/April 2012 dated 26.7.2012
120	Ms. S. Jeyanthi	18962/Ph.D.1/Marine Science/Full Time/July2012 dt. 8.8.2012
121	Mr. G. Ashok	34479/Ph.D.K1/Microbiol/Part Time/Oct. 2012 dt.5.11.2012.
122	Mr.V. Arun Prasath	32807/Ph.D.K1/Microbiol/Full Time/Oct. 2012 dt. 26.11.2012.
123	Ms. B. Kayathri	34527/Ph.D.K1/Microbiol/Part Time/Oct.2012 dt.29.11.2012
124	Ms. S. Vijayalakshmi	34549/Ph.D.K1/Microbiol/Full Time/Oct.2012 dt.29.11.2012
125	Mr. S. Santhoshkumar	38560/Ph.D.K1/Botany/Full Time/January 2013 dt.6.2.2013
126	Mr. C. Aravindraja	AU/Research/497/Ph.D/DC&CV/2013 dated 3.4.2013
127	J. Rathina @ Nandhini	AU/Research/498/Ph.D/DC&CV/2013 dated 3.4.2013
128	Mr. C. Sivasankar	AU/Research/499/Ph.D/DC&CV/2013 dated 3.4.2013
129	Mr. G. Ashwinkumar	AU/Research/500/Ph.D/DC&CV/2013 dated 3.4.2013
130	Ms Brindha A. Hema	6224/Ph.D.K7/Biotech/Full Time/April 2013 dt 27.4.2013
131	Mr. M. Kannan	7899/Ph.D. K1/Microbiol./Full Time/April 2013 dt 30.4.2013
132	Ms M. Kanjana	47484/Ph.D.K1/Microbiol./PartTime/January2013 dt 30.4.2013
133	P.Muhammed Swadhikh	7878/Ph.D.K7/Biotech./Part Time/April 2013 dated 18.7.2013
134	Mr. K. Muniappan	AC6(S)/Ph.D./DC/2013 - 2014 dated 2.8.2013
135	Ms.R.Priyatharshini	18162/Ph.D.K1/Microbiology/Full Time/July2013 dt.30.8.2013
136	Ms. M. Mahadevi	18529/Ph.D.K1/Botany/Part Time/July2013 dt.30.8.2013.
137	Ms Merlyn Stephen	17962/Ph.D.K1/Botany/Part Time/July 2013 dated 17.10.2013.
139	Ms. A Pauline F. Mary	32009/Ph.D.K1/Botany/Part Time/October 2013 dt. 27.11.2013

140	Ms. Beatrice F. Febronia	32012/Ph.D.K1/Botany/Part Time/October 2013 dt. 27.11.2013
141	Mr. S. Veeramani	45331/Ph.D.K1/Microbio/Full Time/January 2014 dt 25.4.2014
142	Mr.K.Muthuvel Prasath	7138/Ph.D. K1/Bioinformatics/Fulltime/April 2014 dt6.5.2014
143	Ms. A. Shakila	17603//Ph.D.K1/Microbio/Full Time/July 2014 dt 3.9.2014
144	Ms. G. Buvaneswari	17604//Ph.D.K1/Microbio/Full Time/July 2014 dt 3.9.2014
145	Ms. G. Kavitha	2765//Ph.D.K1/Microbio/Part Time/July 2010 dt 17.9.2014
146	Mr. M. Vigneswaran	32377/Ph.D.K1/Botany/Full Time/October 2014 dt.21.11.2014
147	Ms. T. Sornalatha	AC6(S)/Ph.D./2015-16/196 dated 2.9.2015
148	Ms. R. Carmel Mary	32597/Ph.D. K1/Microbiology/PT/October 2015 dt. 24.11.2015
149	Mr. S. Navamani	PU/COE/CRE-IX/Ph.D./1413/2016 dated 16.2.2016
150	Mr. M. Narayanasamy	45143/ Ph.D. K1/Microbiology/FT/January2016 dt. 17.2.2016
151	Ms. M. Gowdhami	PU/COE/CRE-IX/Ph.D./1412/2016 dated 30.3.2016.
152	Mr. J. Ashok	17152/Ph.D. K1/Botany/Full Time/July 2016 dated 26.12.2016
153	Ms. R. Nevetha	40482/Ph.D. K1/Bioinformatics/P T/January 2017 dt. 2.5.2017
154	Mr. N. Anis Ahamed	30366/Ph.D. K1/Microbiology/P.T./January 2017 dt. 15.5.2017
155	Mr. K.A.S. Syed Ishak	8864/Ph.D. K1/Microbiology/PT/April 2017 dated 19.6.2017
156	Ms. S. Naseemabee	45141/Ph.D. K1/Microbiol./FT/January2016 dated 16.8.2017
157	Ms. N. Mahalakshmi	42428/Ph.D1/Biotechnology/PT/October 2015 dated 21.9.2017
158	Ms. Cybil Ignatius	17191/PhD.K7/Zoology/PT/January 2018 dated 13.3.2018
159	Ms. P. Saranya	27667/Ph.D.K1/Microbiol./FT/January2018 dated 21.3.2018
160	Ms. K. Sumaiya	27668/Ph.D.K1/Microbiol./FT/January2018 dated 21.3.2018
161	Ms. N. Sathammai Priya	16424/Ph.D.K1/Microbiol./PT/October 2017 dated 11.4.2018
162	Ms. M. S. Shabeena Banu	05273/Ph.D.K9/Biotechnology/F.T/April 2018 dated 30.7.2018
163	Mr. K Muthuvel Prasath	07138/Ph.D-K3/Bioinformatics/FT/April 2014 dated 27.2.2019
164	Ms. R Mangala Lakshmi	VIT/Ph.D/SBST/CV/16PHD0184 dated 8.3.2019.
165	Ms. Nupur Ojha	VIT/Ph.D/SBST/CV/16PHD0146 dated 8.3.2019
166	Mrs. V. Miriam Sheba	PhD/K9/DR03/200523065720 Date : 23/05/2020

167	Mrs. Alpana Pande	PhD/K2/DR03/200805071815 dated 5.8.2020
168	Ms. M. Musbira Banu	PhD/K5/DR03/201216155948 dated 16. 12.2020
169	Mr K Vijay	RC, R1/Ph.D./R20161815/DC&CV/2021 dated 19.1.2021
170	Mr. N. Arumugam	RC, R1/Ph.D./R20161752/DC&CV/2021 dated 19.1.2021

* Also acted as **Co-Guide**

[Doctoral Committee member in Bharathidasan University; Periyar University, Salem; Gandhigram Rural University, Gandhigram; SASTRA Deemed University, Thanjavur; SRM University, Kattankulathur; Vellore Institute of Technology (VIT) Vellore; Alagappa University, Karaikudi; Karpagam University, Coimbatore]

37. Popular articles (in Tamil & English)

1. சிப்பிக்காளான் வளர்ப்பு சிறந்தது ஏன்? - த. தனசேகரன், ந. அருணகிரிநாதன், ப. கனிமொழி, அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – **நிலவளம்** 37(8): 9 – 11. 2004
2. நீலப்பச்சைப்பாசி வளர்க்கும் முறை - த. தனசேகரன், மு. அ. இந்துமதி, பி. சிவமணி, இராஜகுமார், அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – **நிலவளம்** 37(9): 22 - 24. 2004.
3. Biofertilizers A boon to agroforestry – D. Dhanasekaran, N. Amaresan, N. Thajuddin and A. Panneerselvam. **Eco News**. 10(2): 18 – 20 (2004).
4. Bioconversion of agricultural and agro-industrial waste products into microbial protein (Single Cell Protein) - Dhanasekaran, D., Panneerselvam, A. and **Thajuddin, N.** (2004) **Agrobios News Letter**. 2: 9-10.
5. Potency of seaweed anticoagulant - Dhanasekaran, D., Sivamani, P., Priyadarshini, J., Rajakumar, G., Panneerselvam, A. and **Thajuddin, N.** (2005). **Agrobios News Letter** IV(3): 22 – 23.
6. மணிச்சத்தை நிலைப்படுத்தும் மூன்று நுண்ணுயிரிகள் - த. தனசேகரன், மு.அ. இந்துமதி, இராஜகுமார், கு. கருணாகரன், அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – **நிலவளம்** 37(8): 12 - 13. 2005.
7. மண்புழு உரம் தயாரிக்கும் முறை - த. தனசேகரன், மு.அ. இந்துமதி, பி. சிவமணி, இராஜகுமார், அ. பன்னீர்செல்வம், என். தாஜுத்தீன். - **நிலவளம்** 38(1) 18-23.
8. தழைச்சத்தை அள்ளித்தரும் உயிர் உரங்கள் - த. தனசேகரன், மு.அ. இந்துமதி, பி. சிவமணி, கு. கருணாகரன், அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – **நிலவளம்** 37(11): 16 - 17. 2005.
9. வளர்ந்து வரும். ஊயிரினப் பூச்சிக்கொல்லி ஆராய்ச்சி - - த. தனசேகரன், மு.அ. இந்துமதி, பி. சிவமணி, எஸ். செல்வமணி, அ. பன்னீர்செல்வம், என். தாஜுத்தீன் – **நிலவளம்** 38(3)- 22-23. 2005.
10. விவசாயத்தில் உயிரினக்கொல்லி - த. தனசேகரன், மு.அ. இந்துமதி, பி. சிவமணி, கு. கருணாகரன், அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – **நிலவளம்** 35(2)- 25-27.
11. அசோலா உயிர் உரம் வளர்ப்பு முறைகள் - த. தனசேகரன், மு.அ. இந்துமதி, பி. சிவமணி, இராஜகுமார், அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – **நிலவளம்** 37(12): 24 - 26. 2005.
12. முருங்கை மருத்துவப் பயன் நிறைந்த மரம் - த. தனசேகரன், மு.அ. இந்துமதி, இராஜகுமார், எஸ். செல்வமணி, ப. ரகுபதி, பி. சிவமணி, அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – **நிலவளம்** 38(6)- 18-20. 2005.
13. சர்க்கரை நோயைத் தடுக்கும் சீனித்துளசி - - த. தனசேகரன், மு.அ. இந்துமதி, இராஜகுமார், எஸ். செல்வமணி, ப. ரகுபதி, பி. சிவமணி, அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – **நிலவளம்**. 38(9). 2-4. 2005
14. சயனோபாக்டீரியா – என்ன? எங்கு? ஏன்? எவ்வாறு? எதற்கு? –என் தாஜுத்தீன். **அறிவியல் பூங்கா**. 2006 1(3): 16 – 18.

15. கோழிகளுக்கு ஏற்படும் நோய்களும் கட்டுகப்படுத்தும் முறைகளும்- த. தனசேகரன்,(மு.அ. இந்துமதி, கோ. இராஜகுமார், எஸ். செல்வமணி, பி. சிவமணி,அ. பன்னீர்செல்வம், என். தாஜுத்தீன்.– நிலவளம். 38(12)- 6-8. 2006.
16. வெள்ளாடுகள் வளர்க்கும் முறை- த. தனசேகரன்,(மு.அ. இந்துமதி, கோ. இராஜகுமார், எஸ். செல்வமணி, பி. சிவமணி,அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – நிலவளம். 38(10). 27-29. 2006.
17. முயல் வளர்ப்பு: குறைந்த பராமரிப்பில் நல்ல லாபம் தரும் தொழில்- த. தனசேகரன், ப. ரகுபதி மு.அ. இந்துமதி, எஸ். செல்வமணி,கோபிகண்ணா, பி. சிவமணி,அ. பன்னீர்செல்வம், என். தாஜுத்தீன்.– நிலவளம். 38(2). 14-17. 2006.
18. வீடுகளில் கோழி வளர்க்கும் முறை- த. தனசேகரன்,(மு.அ. இந்துமதி, கோ. இராஜகுமார், எஸ். செல்வமணி, பி. சிவமணி,அ. பன்னீர்செல்வம், என். தாஜுத்தீன். – நிலவளம். 39(3). 14-15. 2006.
19. குறைந்த பராமரிப்பில் நிறைந்த வருவாய் தரும் செம்மறி ஆடுகள்- த. தனசேகரன்,(மு.அ. இந்துமதி, இராஜகுமார், பி. சிவமணி, எஸ். செல்வமணி, அ. பன்னீர்செல்வம், என். தாஜுத்தீன் –நிலவளம் 38(11)- 30-32. 2005.
20. புரோகுளோரன் - ஓர் அதிசய நுண்ணுயிரி - என் தாஜுத்தீன். அறிவியல் பூங்கா. 2007
21. Biological research in the *Euphorbia fusiformis* – A Rhizomatous medicinal plant. – (2007) D. Natarajan, M. Prabakaran, A. Panneerselvam & N. Thajuddin – **Herbal Tech Industry** 3(4): 24 – 25.
22. ஆரோக்கிய வாழ்விற்கு சிப்பிக்காளான் - செய்முறை விளக்க கையேடு - த. தனசேகரன், அ. பன்னீர்செல்வம், என். தாஜுத்தீன்.
23. சிப்பிக்காளான் வளர்ப்பு தொழில்நுட்பவியல் - செய்முறை விளக்க கையேடு - என். தாஜுத்தீன், த. தனசேகரன், 2010. பாரதிதாசன் பல்கலைக்கழக நுண்ணுயிரியல் துறையின் வெளியீடு. 2010.

38. Other Academic Activities:

1. **President**, Bharathidasan University Alumni Association, Tiruchirappalli (2007 - 2011).
2. **Editorial Committee Member** – Seaweed Research & Utilization Journal.
3. **Editorial Committee Member** – Journal of Algal Biomass and Utilization.
4. **Member** –Internal Quality Assurance Cell (IQAC) Bharathidasan University.
5. **Executive Member** in Association of Microbiologists of India, Tiruchirappalli Unit (1989-1999).
6. **Member** - Executive Council, National Academy of Biological Sciences (NABS)
7. **Member** - University UG/PG Microbiology Inspection Commission, Bharathidasan University
8. **Chairman**, Board of Studies in Microbiology, Bharathidasan University. (from 2007- June 2015)
9. **Chairman**, Board of Studies in Microbiology, Alagappa University, Karaikudi (from March 2016 – February 2019).
10. **Member in Board of Studies** in **Periyar University**, Salem; **Alagappa University**, Karaikudi; **Madurai Kamaraj University**, Madurai; **Thiruvalluvar University**, Vellore; **Bharathiar University**, Coimbatore; **Gandhigram Rural Institute**, Deemed University, Gandhigram, Dindigul District; **Kerala University of Fisheries and Ocean Studies**, Kochi, Kerala; **Mother Teresa Women's University**, Kodakanal; **Pondicherry University**, Puduchery; **AVVM Sri Pushpam College** (Autonomous) Poondi, Thanjavur Dt.; **Dr. G.R. Damodaran College of Science**, Coimbatore; **Jamal Mohamed College**, Tiruchirappalli; **National College**, Tiruchirappalli; **Auxillium College**, Vellore; **Lady Doak College**, Madurai; **AVC College**, Mayiladuthurai; **Thassim Beevi Abdul Kader College for Women**, Kilakarai, Ramnad District; **Srimad Andavan Arts & Science College**, Tiruchirappalli; **Vivekananda College**, Tiruchengode; **KSR College**, Tiruchengode; **Selvam Arts & Science College**, Namakkal; **Government Arts College**, Karur, **J.J. College of Arts & Science**, Pudukkottai; **Bishop Heber College**, Tiruchirappalli, **Cauvery College**, Tiruchirappalli.
11. **Examiner** – Ph.D. Thesis evaluation / viva voce - **University of Madras**, Chennai; **Madurai Kamaraj University**, Madurai; **Manonmanium Sundaranar University**, Thirunelveli; **Annamalai University**,

Chidambaram; **Bharathiar University**, Coimbatore; **Periyar University**, Salem; **Alagappa University**, Karaikudi; **University of Calicut**, Calicut; Kerala, **University of Kerala**, Tiruvananthapuram, Kerala; **Pondicherry University**, Puducherry; **Jamia Millia Islamia University**, New Delhi; **Bundelkhand University**, Jhansi; **University of Mysore**, Mysore; **University of Calcutta**, Kolkotta; **Jawaharlal Nehru Technological University**, Hyderabad; **Anna University**, Chennai; **VIT University**, Vellore; **SRM University**, Katankulathur; **Gauhati University**, Assam; **Berhampur University**, Odisha; **Noorul Islam University**, Kumaracoil; **Bangalore University**, Bangalore; **Sri Venkateswara University**, Tirupathi; **Mother Teresa Women's University**, Kodakanal; **Avinashilingam Institute for Home Science and Higher Education for Women**, Coimbatore; **Punjabi University**, Patiala, Punjab; **Punjab University**, Chandigarh, Punjab; **Rastrasant Tuhadoji Maharaj Nagpur University**, Nagpur; **North Maharashtra University**, Jalgaon, Maharashtra. **Savitribai Phule Pune University**, Pune; **Swami Ramanand Teerth Marathwada University**, Nanded, Maharashtra; **North Orissa University**, Odisha; **JAIN** (Deemed-to-be University), Bengaluru, **University of Mumbai**, Mumbai, **Yenepoya** (Deemed to be University) Mangalore, **C.G. Bhakta Institute of Biotechnology** (Deemed to be University), Surat, **Mangalore University**, Mangalore, **Thiruvalluvar University**, Vellore, **Sam Higginbottom University of Agriculture, Technology and Sciences**, Prayagraj, U.P, **Institute of Advanced Study in Science & Technology (IASST)**, Guwahatti, Assam, **Visva-Bharati**, Santiniketan. **The University of Burdwan**, Burdwan, West Bengal. **Jawaharlal Nehru University**, New Delhi

12. **University Representative** to the Academic Council, Govt. Arts College (Autonomous), Kumbakonam (2006 - 2008), Holy Cross College (Autonomous), Tiruchirappalli (2015 – 2017), Government Arts College, Karur (2017 – 2020)
13. **Member** - Research Advisory Committee, Ponnaiyah Ramajeyam College of Arts and Science, Thanjavur.
14. **Member** – Research Advisory Committee – Vivekananda Institute of Algal Technology, RKM Vivekanandha College, Mylapore, Chennai.
15. **University Nominee** to the College Committee of National College, Tiruchirappalli - 620 001 for a period of three years (8.1.2008 – 7.1.2011).
16. **Member**, Expert committee for evaluation of research projects on Microbiology, University Grants Commission, New Delhi – 110 002 – December 29, 2014
17. **Member** – Mid-term monitoring committee (UGC) - A Centre with Potential for Excellence in Particular Area (CPEPA), Mysore University, Mysore.
18. **Member** – Advisory Committee (UGC) – SAP – DRS II (2014 - 2019) – Department of Molecular biology and Biotechnology, Tezpur University, Tezpur – 784 028, Assam.
19. **Chairman** – Project Monitoring Committee MoEF (Ministry of Environment, Forests & Climate Change (CT Division)- Department of Microbiology & Biotechnology, Bangalore University, Bangalore.
20. **Member** - Executive Committee, Bharathidasan University, Business Development Centre (BDU-BDC) from 9.7. 2015.
21. **Member** - Executive Committee, Institute of Entrepreneurs and Carrier Development (IECD) Bharathidasan University.
22. **University Nominee** to the College Committee of Tamilvel Umamaheahwaranar Karanthai Arts College, Thanjavur – 613 002 for a period of three years (16.3.2016 – 15.3.2019).
23. **University Nominee** to the College Committee of St. Joseph's College, Tiruchirappalli - 620 002 for a period of three years (30.8.2016 – 29.8.2019).
24. **Member** – Instrument Purchase Committee, Bharathidasan University Constituent & Model Colleges, Bharathidasan University from 2.12.2016.
25. **University Nominee** to the Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur – 621 212 for a period of three years (25.1.2017 to 24.1.2020).
26. **University Nominee** to the College Committee of Jamal Mohamed College, Tiruchirappalli - 620 020 for a period of three years (30.1. 2018 – 29.1. 2021).
27. **Member** - Institutional Animals Ethics Committee (IAEC) for the period of 5 years from 27th April 2018.

28. **Member** - Faculty Selection Committee and CAS selection committee in Bharathidasan University, Periyar University, Alagappa University, Manonmaniam Sundaranar University and Thiruvalluvar University and few governments aided and self-financing colleges
29. **University Representative** to the Academic Council of Govt. Arts College for Women (Autonomous), Pudukkottai – 622 001 for the period of 3 years from 19.2.2019.
30. **Member** – Research Committee, Bharathidasan University for the period of 3 years from 6th August, 2019..
31. **University Representative** to the Governing Body of Cauvery College (Autonomous), Annamalai Nagar, Tiruchirappalli – 620 018.
32. **University Representative** to the Academic Council of Periyar E.V.R. College (Autonomous), Tiruchirappalli – 620 023 for the period of 3 years from 24.7.2019.
33. **UGC-Representative** for Extension of Autonomous status to Thanthai Hans Roever College (Autonomous) Perambalur (29.3.2021).
34. **Member** – TANSa – 2020 & 2021 Award Selection committee (Biological Sciences) of Tamil Nadu State Council for Science & Technology (TNSCST), (19.11. 2021).
35. **Special Invitee** for Dept. of Science & Technology (DST) **SERB - POWER** (Promoting Opportunities for Women in Exploratory Research) for preliminary screening committee for Life Science projects (January 20 – 22, 2022).
36. **Member, DST – SERB - IRHPA Task Force** for establishing National Biosafety Level-3 Facilities (BSL / ABSL 3. (From 22 February, 2022).
37. **Hon'ble Governor-Chancellor nominee** - Member of the Planning Board of Bharathidasan University for a period of three years from 18.02.2022.
38. **Coordinator** - High Level Committee's Sub Committee of the Tamil Nadu Education Policy High Level Committee for the Topic : 11 “Research”
39. **Member** - High Level Committee's Sub Committee of the Tamil Nadu Education Policy High Level Committee for Higher Education Topic: – Vision, Structure and Function.

39. Reviewer in International & National level journals

No.	Journal Name	Publisher
1	Arabian Journal of Chemistry	Elsevier
2	Applied Biochemistry & Biotechnology	Springer
3	Aquaculture	Elsevier
4	Bioprocess and Biosystems Engineering	Springer
5	Current Pharmaceutical Biotechnology	Bentham Science
6	Current Science	Current Science Association, India
7	Enzyme and Microbial Technology	Elsevier
8	Ecological Engineering	Elsevier
9	European Journal of Integrative Medicine	Elsevier –B.V.
10	Ecotoxicology and Environmental Safety	Elsevier –B.V.
11	Green Chemistry Letters and Reviews	Taylor & Francis
12	Indian Journal of Geo-Marine Sciences	CSIR
13	Industrial & Engineering Chemistry Research	ACS

14	IET Nanobiotechnology	IET, UK
15	Journal of Nanoparticle Research	Springer
16	Journal of Saudi Chemical Society	Elsevier –B.V.
17	Journal of Photochemistry & Photobiology B: Biology	Elsevier
18	Journal of Experimental and Integrative Medicine	-
19	Journal of Environmental Management	Elsevier
20	Materials Science and Engineering C	Elsevier B.V.
21	Materials Research Bulletin	Elsevier
22	Natural Product Research	Taylor & Francis
23	Nanomedicine: Nanotechnology, Biology, and Medicine	Elsevier
24	Process Biochemistry	Elsevier
25	Phykos	Phyco. Soc. of India
26	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Elsevier
27	Seaweed Research and Utilization Journal	SRUA, India
29	VEGETOS: An International Journal of Plant Research and Biotechnology	Springer

40. Details of 16S rRNA, 18S rRNA, 28S rRNA, ITS regions, Group I Self Splicing Introns, cpcB genes, Calmodulin genes & Viral genes deposited in the GenBank (NCBI, EMBL & DDBJ)

Sl. No.	Microbial taxa used for Sequencing with GenBank Accession Numbers. (NCBI, EMBL & DDBJ)	No. of sequences deposited
1	MARINE CYANOBACTERIA	58
2	FRESH WATER CYANOBACTERIA	153
	CYANOBACTERIAL PHYCOCYANIN GENES	6
3	Cyanobionts in LICHENS	3
4	Cyanobionts in CYCADS	18
5	<i>Cyanobionts in AZOLLA</i>	12
6	CYANOBACTERIAL GROUP I SELF SPLICING INTRONS	26
7	ACTINOBACTERIA	43
8	BACTERIA	157
9	SUBSURFACE BACTERIA	32
10	FUNGI (18S rRNA/ITS Sequences)	58
11	MICROALGAE (18S rRNA Sequences)	63
12	MICROZOOPLANKTON / PROTOZOANS	2

13	VIRAL SEQUENCES	8
Total number of sequences deposited		639

For Details Visit: <https://www.ncbi.nlm.nih.gov/nuccore/?term=Thajuddin>

No.	Microbial taxa used for 16S rRNA Sequencing	GenBank Accession Nos. (NCBI, EMBL & DDBJ)
MARINE CYANOBACTERIA		
1.	<i>Spirulina subsalsa</i> BDU30311 (clone T7)	DQ080030
2.	<i>Spirulina subsalsa</i> BDU30311 (clone SP6)	DQ080031
3	<i>Spirulina subsalsa</i> NTDM21	GU585848
4	<i>Oscillatoria salina</i> BDU40102 (clone T7)	DQ080032
5	<i>Oscillatoria salina</i> BDU40102 (clone SP6)	DQ080033
6	<i>Oscillatoria formosa</i> BDU91041	DQ845199
7.	<i>Oscillatoria boryana</i> BDU92181	DQ845200
8	<i>Oscillatoria willei</i> BDU 130461	EF061317
9	<i>Phormidium angustissimum</i> KMD34	EF061316
10.	<i>Oscillatoria laete-virens</i> BDU100891	EF420110
11	<i>Leptolyngbya valderiana</i> BDU140842	EF420111
12	<i>Leptolyngbya fragilis</i> BDU42911	EF420112
13.	<i>Phormidium corium</i> BDU 30241	EF420113
14	<i>Phormidium tenue</i> BDU 40061	EF420114
15	<i>Phormidium tenue</i> NTDM05	GU585847
16.	<i>Pseudanabaena schmidlei</i> BDU 20761	EF544989
17.	<i>Nostoc calcicola</i> BDU 40302	EF544990
18	<i>Scytonema crustaceum</i> BDU 40142	EF544991
19	<i>Calothrix contarenii</i> BDU 40141	EF544992
20	<i>Phormidium tenue</i> NTIA 08	EU753257
21	<i>Myxosarcina</i> sp. NTIA 05	EU583792
22	<i>Oscillatoria boryana</i> NTAS01	GU186910
23	<i>Oscillatoria</i> sp. BDU 141541	GU186901
24	<i>Synechococcus elongatus</i> BDU 30312	GU186900
25	<i>Phormidium lucidum</i> BDU 10141	GU186899
26	<i>Leptolyngbya valderiana</i> BDU 41001	GU186898
27	<i>Oscillatoria</i> sp. BDU 142191	GU186897
28	<i>Jaaginema subtilissimum</i> BDU 92183	GU186896
29	<i>Phormidium minnesotense</i> BDU 70492	GU186895
30	<i>Synechococcus elongatus</i> BDU 70542	GU186894
31	<i>Synechococcus elongates</i> BDU 130192	GU186893
32	<i>Myxosarcina</i> sp. BDU 60881	GU186892
33	<i>Gloeocapsopsis crepidinum</i> BDU 20372	GU186891

34	<i>Chroococcus</i> sp. BDU 20231	GU186890
35	<i>Chroococcus minor</i> BDU 91342	GU186889
36	<i>Phormidium willei</i> NTDM01	GU812858
37	<i>Jaaginema pseudogeminatum</i> NTMP02	GU812857
38	<i>Phormidium chlorinum</i> NTMP01	GU812856
39	<i>Phormidium tenue</i> NTDM05 (cpcB gene)	JF421685
40	<i>Geitlerinema amphibium</i> SGBRA06	JQ231278
41	<i>Oscillatoria</i> sp. SGBRA05	JQ083643
42	<i>Oscillatoria subbrevis</i> SGBRA04	JQ083642
43	<i>Oscillatoria boryana</i> NTDM11	JQ867393
44	<i>Planktothrix</i> sp. NTRD01	JQ867394
45	<i>Leptolyngbya valderiana</i> NTDM10	JQ867392
46	<i>Oscillatoria boryana</i> NTDV18	JQ928410
47	<i>Phormidium persicinum</i> NTDP01	KC859032
48	<i>Synechococcus</i> sp. NTDP03	KC859033
49	<i>Pseudanabaena</i> sp. NTDP02	KC875240
50	<i>Oscillatoria boryana</i> NTDP06	KC849704
51	<i>Oscillatoria acuminata</i> NTAPC05	KF469280
52	<i>Geitlerinema</i> sp. NTRI68	KP030751
53	<i>Leptolyngbya</i> sp. NTRI37	KP030752
54	<i>Trichodesmium erythraeum</i> NTDV13	KM657226
55	<i>Chroococciopsis</i> sp. NTDV27	KM657210
56	<i>Chroococcus minor</i> NTDV53	KM657213
57	<i>Phormidium boryanum</i> NTRI09	KP120694
58	<i>Trichodesmium</i> sp. MBDU 524	KX002033
FRESH WATER CYANOBACTERIA		
1	<i>Westiopsisprolifera</i> AVVMSPC01	DQ208679
2	<i>Westiopsisprolifera</i> AVVMSPC02	DQ208680
3	<i>Oscillatoria</i> brevis AVVMSPC03	DQ208681
4	<i>Oscillatoria</i> brevis AVVMSPC04	DQ208682
5	<i>Oscillatoriaearlei</i> NTAP010	DQ308544
6	<i>Oscillatoriaearlei</i> NTAP016	DQ308545
7	<i>Oscillatoria acuminata</i> NTDM04	GU812860
8	<i>Phormidium animale</i> NTMP03	GU812859
9	<i>Lyngbya</i> sp. NTMS10	HQ219685
10	<i>Chroococcus</i> sp. NTMS09	HQ219684
11	<i>Calothrix</i> sp. NTMS08	HQ219683
12	<i>Dolichospermum flos-aquae</i> NTMS07	HQ219682
13	<i>Chlorogloeopsis fritschii</i> NTMS06	HQ219681
14	<i>Scytonema</i> sp. NTMS05	HQ219680
15	<i>Oscillatoria</i> sp. NTMS04	HQ219679

16	<i>Mastigocladus laminosus</i> NTMS03	HQ219678
17	<i>Oscillatoria acuminata</i> NTMS02	HQ219677
18	<i>Oscillatoria boryana</i> BRIP02	HQ738569
19	<i>Jaaginema pseudogeminatum</i> BRIP01	HQ738568
20	<i>Microcystis aeruginosa</i> NTMS11	HQ537431
21	<i>Oscillatoria acuminata</i> NTDM04 (cpcB gene)	JF421687
22	<i>Phormidium animale</i> NTMP03 (cpcB gene)	JF421686
23	<i>Geitlerinema amphibium</i> NTSM02	JN402964
24	<i>Oscillatoria nigroviridis</i> NTRI01 (cpcB)	JX294543
25	<i>Cylindrospermum muscicola</i> AUS-JR/DB/NT-001	JX532723
26	<i>Nostoc commune</i> AUS-JR/DB/NT-004	JX961684
27	<i>Anabaena iyengarii</i> var. <i>tenuis</i> AUS-JR/DB/ NT -002	JX961682
28	<i>Planktothrix cryptovaginata</i> AUS-JR/DB/NT-005	KC135873
29	<i>Nostoc commune</i> AUS-JR/DB/NT-003	JX961683
30	<i>Nostoc spongiaeforme</i> AUS-JR/DB/NT-007	KC556806
31	<i>Nostoc verrucosum</i> AUS-JR/DB/NT-006	KC556805
32	<i>Nostoc hatei</i> AUS-JR/DB/NT-008	KC800917
33	<i>Cylindrospermum muscicola</i> AUS-JR/DB/NT-011	KC800920
34	<i>Westiellopsis prolifica</i> AUS-JR/DB/NT-010	KC800919
35	<i>Nostoc muscorum</i> AUS-JR/DB/NT-009	KC800918
36	<i>Scytonema hofmanni</i> AUS-JR/DB/NT-012	KF018673
37	<i>Scytonema schmidlei</i> AUS-JR/DB/NT-013	KF018674
38	<i>Nostoc calcicola</i> AUS-JR/DB/NT-014	KF018675
39	<i>Nostoc paludosum</i> AUS-JR/DB/NT-015	KF018676
40	<i>Nostoc carneum</i> AUS-JR/DB/NT-016	KF018677
41	<i>Westiellopsis prolifica</i> AUS-JR/DB/NT-017	KF018678
42	<i>Westiellopsis</i> sp. AUS-JR/DB/NT-018	KF018679
43	<i>Nostoc</i> sp. TLPVC12C	KF261308
44	<i>Phormidium</i> sp. NTDV11	KF261309
45	<i>Nostoc spongiaeforme</i> NTAS04	KC886286
46	<i>Calothrix brevissima</i> AUS-JR/DB/NT-026	KF322166
47	<i>Calothrix brevissima</i> AUS-JR/DB/NT-025	KF322165
48	<i>Tolypothrix bouteillei</i> AUS-JR/DB/NT-024	KF322164
49	<i>Calothrix elenkinii</i> AUS-JR/DB/NT-023	KF322163
50	<i>Calothrix linearis</i> AUS-JR/DB/NT-022	KF322162
51	<i>Cyanothece epiphytica</i> AUS-JR/DB/NT-021	KF322161
52	<i>Hydrocoryne spongiosa</i> AUS-JR/DB/NT-020	KF322160
53	<i>Nostoc humifusum</i> AUS-JR/DB/NT-019	KF322159
54	<i>Phormidium tergestinum</i> NTAS 11	KF516014
55	<i>Oscillatoria tenuis</i> NTAS 06	KF516015
56	<i>Nostoc</i> sp. NTAS 10	KF516016

57	<i>Oscillatoria</i> sp. NTAS 08	KF516017
58	<i>Leptolyngbya boryana</i> NTRI02	KF536582
59	<i>Oscillatoria</i> sp. NTRI03	KF536583
60	<i>Oscillatoria</i> sp. NTRI04	KF536584
61	<i>Leptolyngbya</i> sp. NTRI05	KF536585
62	<i>Oscillatoria tenuis</i> NTRI06	KF536586
63	<i>Geitlerinema</i> sp. NTAS 05	KF555560
64	<i>Scytonema hofmanni</i> NTAS 07	KF555561
65	<i>Nostoc</i> sp. NTAS 08	KF555562
66	<i>Anabaena</i> sp. NTAS 01	KF555563
67	<i>Synechocystis aquatilis</i> NTAS 02	KF555564
68	<i>Chroococcus aphanocapsoides</i> NTRI07	KF752432
69	<i>Geitlerinema</i> sp. NTRI08	KF752433
70	<i>Phormidium boryanum</i> NTRI09	KF752434
71	<i>Pleurocapsa</i> sp. NTRI10	KF752435
72	<i>Pleurocapsa</i> sp. NTRI11	KF752436
73	<i>Geitlerinema</i> sp. NTRI12	KF752437
74	<i>Phormidium</i> sp. NTRI13	KF752438
75	<i>Spirulina subsalsa</i> NTRI14	KF752439
76	<i>Chroococciopsis</i> sp. NTRI16	KF752440
77	<i>Chroococciopsis</i> sp. NTRI15	KF752441
78	<i>Oscillatoria</i> sp. NTRI17	KF752442
79	<i>Geitlerinema pseudacutissimum</i> NTRI18	KF985039
80	<i>Geitlerinema calcuttense</i> NTRI19	KF985040
81	<i>Oscillatoria tenuis</i> NTEB41	KJ741393
82	<i>Anabaena iyengarii</i> AUS-JR/BS/MS/NT-048	KP052615
83	<i>Nostoc ellipsosporum</i> AUS-JR/BS/MS/NT-049	KP052616
84	<i>Westiellopsis prolifica</i> AUS-JR/BS/MS/NT -050	KP052617
85	<i>Hapalosiphon hibernicus</i> AUS-JR/BS/MS/NT-51	KP052618
86	<i>Hapalosiphon hibernicus</i> AUS-JR/BS/MS/NT-052	KP052619
87	<i>Calothrix marchica</i> AUS-JR/BS/MS/NT-053	KP052620
88	<i>Anabaena variabilis</i> AUS-JR/BS/MS/NT-054	KP052621
89	<i>Nostoc commune</i> AUS-JR/BS/MS/NT-055	KP052622
90	<i>Nostoc spongiaeforme</i> AUS-JR/BS/MS/NT-056	KP052623
91	<i>Nostoc punctiforme</i> AUS-JR/BS/MS/NT-057	KP052624
92	<i>Hapalosiphon intricatus</i> AUS-JR/BS/MS/NT-058	KP052625
93	<i>Hapalosiphon intricatus</i> AUS-JR/BS/MS/NT-059	KP052626
94	<i>Cylindrospermum muscicola</i> AUS-JR/BS/MS/NT-60	KP052627
95	<i>Calothrix fusca</i> AUS-JR/BS/MS/NT-061	KP052628
96	<i>Anabaena ambigua</i> AUS-JR/BS/MS/NT-062	KP052629
97	<i>Nostoc muscorum</i> AUS-JR/BS/MS/NT-063	KP052630

98	<i>Calothrix braunii</i> AUS-JR/BS/MS/NT-064	KP052631
99	<i>Gloeocapsa polydermatica</i> AUS-JR/BS/MS/NT-065	KP052632
100	<i>Nostoc spongiaeforme</i> AUS-JR/BS/MS/NT-066	KP052633
101	<i>Anabaena subcylindrica</i> AUS-JR/BS/MS/NT-067	KP052634
102	<i>Nostoc commune</i> AUS-JR/BS/MS/NT-068	KP052635
103	<i>Anabaena fertilissima</i> AUS-JR/BS/MS/NT-069	KP052636
104	<i>Anabaena flos-aquae</i> AUS-JR/BS/MS/NT-070	KP052637
105	<i>Anabaena circinalis</i> AUS-JR/BS/MS/NT-071	KP052638
106	<i>Phormidium fragile</i> AUS-JR/BS/MS/NT-072	KP052639
107	<i>Planktothrix geitleri</i> AUS-JR/BS/MS/NT-073	KP052640
108	<i>Nostoc linckia</i> AUS-JR/BS/MS/NT-074	KP052641
109	<i>Anabaena oryzae</i> AUS-JR/BS/MS/NT-075	KP052642
110	<i>Hapalosiphon welwitschii</i> AUS-JR/BS/MS/ NT-076	KP052643
111	<i>Dolichospermum spiroides</i> AUS-JR/SD/MS/NT-045	KP052644
112	<i>Anabaena gelatinicola</i> AUS-JR/SD/MS/NT-046	KP052645
113	<i>Nostoc piscinale</i> AUS-JR/SD/MS-047/NT-047	KP052646
114	<i>Mastigocladus</i> sp. NTDV08	KM406474
115	<i>Oscillatoria tenuis</i> NTRI20	KP030747
116	<i>Nodosilinea</i> sp. NTRI45	KP030748
117	<i>Phormidium</i> sp. NTRI60	KP030749
118	<i>Leptolyngbya</i> sp. NTRI66	KP030750
119	<i>Synechocystis aquatilis</i> NTDV12	KM657206
120	<i>Oscillatoria</i> sp. NTGM13	KM657209
121	<i>Chroococciopsis</i> sp. NTDV40	KM657212
122	<i>Leptolyngbya</i> sp. AUS-JR/SD/MS/NT-049	KT277488
123	<i>Microchaete tenera</i> AUS-JR/SD/MS/NT-048	KT277487
124	<i>Westiellopsis</i> sp. TLPVC01	KM406475
125	<i>Phormidium</i> sp. NTVKA04	KM406480
126	<i>Anabaena</i> sp. NTVKA02	KM406479
127	<i>Kamptonema laete-virens</i> NRMC-F 0139	OM864340
128	<i>Geitlerinema splendidum</i> NRMC-F 0141	OM864322
129	<i>Geitlerinema calcuttense</i> NRMC-F 0142	OM864324
130	<i>Kamptonema cortianum</i> NRMC-F 0138	OM864321
131	<i>Kamptonema cortianum</i> NRMC-F 83	OM864282
132	<i>Oscillatoria amoena</i> NRMC-F 0135	OM864323
133	<i>Oscillatoria earlei</i> strain NRMC-F 0140	OM841885
134	<i>Oscillatoria earlei</i> strain NRMC-F 0137	OM841510
135	<i>Oscillatoria earlei</i> strain NRMC-F 0136	OM841488
136	<i>Kamptonema jasorvense</i> NRMC-F 0143	OM888661
137	<i>Phormidium acula</i> NRMC-F 48	OM867600
138	<i>Oscillatoria</i> sp. DM10	ON870395

139	<i>Arthrospira platensis</i> DM06	ON856535
140	<i>Kamptonema jasorvense</i> NRMCF-0143	OM888661
141	<i>Phormidium acula</i> NRMCF-48	OM867600
142	<i>Kamptonema cortianum</i> NRMCF-83	OM864282
143	<i>Kamptonema cortianum</i> NRMCF-0138	OM864321
144	<i>Geitlerinema splendidum</i> NRMCF-0141	OM864322
145	<i>Oscillatoria amoena</i> NRMCF-0135	OM864323
146	<i>Geitlerinema calcuttense</i> NRMCF-0142	OM864324
147	<i>Kamptonema laete-virens</i> NRMCF-0139	OM864340
148	<i>Kamptonema laetevirens</i> NRMCF-0139 (Alpha & Beta sub units of α -Phycocyanin genes)	ON759207
149	<i>Oscillatoria earlei</i> strain NRMCF-0136	OM841488
150	<i>Oscillatoria earlei</i> strain NRMCF-0137	OM841510
151	<i>Oscillatoria earlei</i> strain NRMCF-0140	OM841885
152	<i>Synechococcus</i> sp. NTBN_2	OP646451
153	<i>Nostochopsis lobatus</i> NRMCF-1122	PP550145
CYANOBACTERIAL PHYCOCYANIN GENES		
1	<i>Geitlerinema calcuttense</i> NRMCF-0142	OM984738
2	<i>Oscillatoria earlei</i> NRMCF-0136	OM984739
3	<i>Oscillatoria earlei</i> NRMCF-0137	OM984740
4	<i>Oscillatoria amoena</i> NRMCF-0135	OM984741
5	<i>Phormidium acula</i> NRMCF-48	OM984742
6	<i>Kamptonema jasorvense</i> NRMCF-0143	OM984743
SYMBIOTIC CYANOBACTERIA		
CYANOLICHENS		
1	<i>Aphanocapsa</i> sp. NTK28	DQ513318
2	<i>Nostoc</i> sp. NTK29	DQ513319
3	<i>Nostoc</i> sp. NTY30	DQ513320
CYCADS		
4	<i>Calothrix</i> sp. NTCR05	DQ513321
5	<i>Nostoc</i> sp. NTCC1	DQ845197
6	<i>Nostoc</i> sp. NTCRm6	DQ845198
7	<i>Nostoc</i> sp. TPCR9	GU186907
8	<i>Calothrix</i> sp. TPZ10	GU186906
9	<i>Anabaena</i> sp. TPCR11	GU186905
10	<i>Nostoc</i> sp. TPCC5a	GU186904
11	<i>Nostoc</i> sp. TPCC5b	GU186903
12	<i>Nostoc</i> sp. TPCR 08	GU186902
13	<i>Nostoc</i> sp. TLPVC9C	KM406473
14	<i>Westiellopsis</i> sp. TLPVC01	KM406475
15	<i>Nostoc</i> sp. TLPVC12A	KM406476

16	<i>Westiellopsis</i> sp. TLPVC03	KM406477
17	<i>Nostoc</i> sp. TLPVC5C	KM406478
18	<i>Anabaena</i> sp. NTVKA02	KM406479
19	<i>Nostoc</i> sp. NTDV47	KM406481
20	<i>Nostoc</i> sp. TLPVC9	KM657207
21	<i>Anabaena</i> sp. TLPVC11	KM657208
AZOLLA		
22	Uncultured cyanobacterium clone 503-10	EF137169
23	Uncultured cyanobacterium clone 503-27	EF137170
24	Uncultured cyanobacterium clone 503-8	EF137171
25	Uncultured cyanobacterium clone 513-23	EF137172
26	Uncultured cyanobacterium clone 535-27	EF137173
27	Uncultured cyanobacterium clone 535-30	EF137174
29	Uncultured cyanobacterium clone 5501-1	EF137175
30	<i>Westiellopsis</i> sp. NTMVK03	JN402976
31	<i>Anabaena</i> sp. NTMVK02	JN402975
32	<i>Anabaena variabilis</i> NTMVK01	JN402974
33	<i>Phormidium</i> sp. NTVKA04 (Epiphyte)	KM406480
34	<i>Westiellopsis</i> sp. NTVKA05(Epiphytic)	KM657211
Group I Self Splicing Introns		
1	<i>Synechococcus elongatus</i> BDU142311	DQ080029
2	<i>Nostoc</i> sp. TPCC51	JN613158
3	<i>Oscillatoria</i> sp. NTDV18	JN613157
4	<i>Phormidium</i> sp. NTDV11	JX308241
5	<i>Anabaena variabilis</i> NTMVK01/	JX308243
6	<i>Nostoc</i> sp. TLPVC9C	JX316217
7	<i>Nostoc</i> sp. TLPVC12C	JX308240
8	<i>Anabaena</i> sp. TPCR8	JX308242
9	<i>Westiellopsis</i> sp. NTMVK03	JX308244
10	<i>Oscillatoria</i> sp. NTGM13	JQ958894
11	<i>Oscillatoria boryana</i> NTDV18	KF511632
12	<i>Nostoc</i> sp. TPCC51	KJ544882
13	<i>Oscillatoria boryana</i> NTDV18	KJ544883
14	<i>Westiellopsis</i> sp. TLPVC01	KM657214
15	<i>Nostoc</i> sp. TLPVC12A	KM657215
16	<i>Mastigocladus</i> sp. NTDV08	KM657216
17	<i>Anabaena</i> sp. TPCR8	KM657217
18	<i>Anabaena</i> sp. TLPVC11	KM657218
19	<i>Westiellopsis</i> sp. TLPVC03	KM657219
20	<i>Westiellopsis</i> sp. NTVKA05	KM657220
21	<i>Anabaena variabilis</i> NTMVK01	KM657221

22	<i>Westiellopsis</i> sp. NTMVK03	KM657222
23	<i>Cyanothece aeruginosa</i> NTDV52	KM657223
24	<i>Spirulina salina</i> NTDV54	KM657224
25	<i>Phormidium</i> sp. NTDV56	KM657225
26	<i>Trichodesmium erythraeum</i> NTDV13	KM657226
ACTINOBACTERIA		
1	<i>Streptomyces noursei</i> DPTD21	DQ279757
2	<i>Streptomyces</i> sp. DPTB16	DQ279758
3	<i>Streptomyces</i> sp VPTS3-1	DQ845201
4	<i>Streptomyces</i> sp VPTS3-2	DQ845202
5	<i>Streptomyces</i> sp VPTSA1-4	DQ845203
6	<i>Streptomyces</i> sp VPTSA1-8	DQ845204
7	<i>Streptomyces</i> sp. JMCNT09	EU583791
8	<i>Streptomyces</i> sp. JMCNT25	FJ939129
9	<i>Streptomyces</i> sp. JMCNT76	FJ939130
10	<i>Streptomyces</i> sp. SDAP101	GQ408915
11	<i>Frankia</i> sp. NTA04	GU186912
12	<i>Frankia</i> sp. NTA03	GU186911
13	<i>Frankia</i> sp. NTA05	GU186908
14	<i>Nocardiopsis</i> sp. NTRJM02	JN402981
15	<i>Nocardiopsis</i> sp. NTRJM01	JN402980
16	<i>Streptomyces</i> sp. NTRJM05	JN402979
17	<i>Rhodococcus</i> sp. NTRJM04	JN402978
18	<i>Nocardiopsis</i> sp. NTRJM03	JN402977
19	<i>Streptomyces albogriseolus</i> strain ECR64	KF410672
20	<i>Streptomyces labedae</i> strain ECR77	KF158225
21	<i>Streptomyces</i> sp. JMCACA1	KJ818244
22	<i>Streptomyces</i> sp. JMCACA3	KJ818245
23	<i>Streptomyces</i> sp. JMCACA2	KJ818246
24	<i>Arthrobacter</i> sp. BECS1	GU569857
25	<i>Streptomyces griseorubens</i> strain DA3-7	KT365284
26	<i>Streptomyces fragilis</i> strain DA7-7	KT365285
27	<i>Streptomyces</i> sp. strain A13	MG208092
28	<i>Rhodococcus</i> sp. strain A1	MG208087
29	<i>Rhodococcus</i> sp. strain A2	MG208088
30	<i>Rhodococcus</i> sp. strain A8	MG208089
31	<i>Rhodococcus erythropolis</i> strain A11	MG208090
32	<i>Streptomyces</i> sp. strain RDL-5	MT110917
33	<i>Streptomyces</i> sp. strain DARP-7	MN045401
34	<i>Streptomyces parvulus</i> strain C16	MN385721
35	<i>Bordetella petrii</i> strain CTE1	MW720998

36	<i>Streptomyces litmocidini</i> strain RDL6	MW716272
37	<i>Nocardiosis yanglingensis</i> strain 704F	MW723223
38	<i>Nocardiosis yanglingensis</i> strain 907RC	MW723222
39	<i>Streptomyces geysiriensis</i> strain RDL24	MW723203
40	<i>Streptomonospora</i> sp. strain CTE2	MW832469
41	<i>Nocardiosis</i> sp. strain RDL15	MW828350
42	<i>Streptomyces</i> sp. strain D26	MW829602
43	<i>Streptomyces glaucescens</i> NTSB37	OP364022
BACTERIA		
1	<i>Rhizobium</i> sp.GGNM66	EF420109
2	<i>Bacillus</i> sp. GGTD 67	EF601985
3	<i>Halobacterium</i> sp. MVBDU2	EU713855
4	<i>Halobacterium</i> sp. MVBDU1	EU713854
5	<i>Bacillus subtilis</i> BETS11	GU569880
6	<i>Bacillus</i> sp. BECR12	GU569879
7	<i>Bacillus</i> sp. BETR14	GU569872
8	<i>Bacillus</i> sp. BETR13	GU569871
9	<i>Bacillus</i> sp. BETS5	GU569870
10	<i>Bacillus</i> sp. BETR11	GU569869
11	<i>Bacillus cereus</i> BETL10	GU569868
12	<i>Bacillus</i> sp. BECR14	GU569866
13	<i>Bacillus</i> sp. BECS7	GU569858
14	<i>Bacillus megaterium</i> . BECR	GU569865
15	<i>Bacillus megaterium</i> . BECL11	GU569863
16	<i>Bacillus licheniformis</i> . BECL5	GU569856
17	<i>Bacillus circulans</i> . BECL10	GU569855
18	<i>Bacillus</i> sp. BECR2	GU569854
19	<i>Achromobacter</i> sp. BECS4	GU569878
20	<i>Achromobacter xylosoxidans</i> BECS5	GU569864
21	<i>Achromobacter</i> sp. BECB16	GU569859
22	<i>Proteus mirabilis</i> BETS2	GU569877
23	<i>Proteus mirabilis</i> BETR16	GU569876
24	<i>Proteus mirabilis</i> BETS3	GU569875
25	<i>Proteus mirabilis</i> BETSL14	GU569874
26	<i>Proteus mirabilis</i> BETL4	GU569873
27	<i>Microbacterium</i> sp. BECS9	GU569867
28	<i>Microbacterium</i> sp. BECR6	GU569861
29	<i>Providencia rettgeri</i> BECL4	GU569862
30	<i>Providencia rettgeri</i> BECR15	GU569860
31	<i>Mycobacterium tuberculosis</i> 20F	GU391340
32	<i>Mycobacterium tuberculosis</i> 19R	GU391339

33	<i>Mycobacterium tuberculosis</i> 19F	GU391338
34	<i>Mycobacterium</i> sp. Strain 27R	GU391343
35	<i>Mycobacterium</i> sp Strain 27F	GU391342
36	<i>Azospirillum amazonense</i> AZ03	HM217759
37	<i>Azospirillum brasilense</i> AZ02	HM217758
38	<i>Azospirillum halopraeferens</i> AZ04	HM217760
39	<i>Halobacillus</i> sp. MVBDU3	HM636928
40	<i>Staphylococcus epidermidis</i> MVBDU5	HM636927
41	<i>Virgibacillus</i> sp. MVBDU6	HM636926
42	<i>Serratia marcescens</i> PDKT-1	HM998315
43	<i>Bacillus</i> sp. NTRP10	HQ332546
44	<i>Staphylococcus</i> sp. NTRP09	HQ332545
45	<i>Acinetobacter</i> sp. NTRP08	HQ332544
46	<i>Klebsiella</i> sp. NTRP07	HQ332543
47	<i>Achromobacter</i> sp. NTRP06	HQ332542
48	<i>Achromobacter</i> sp. NTRP05	HQ332541
49	<i>Klebsiella</i> sp. NTRP04	HQ332540
50	<i>Bacillus</i> sp. NTRP03	HQ332539
51	<i>Bacillus</i> sp. NTRP02	HQ332538
52	<i>Klebsiella</i> sp. NTRP01	HQ332537
53	<i>Mycobacterium</i> sp. ANT 09	HM803175
54	<i>Mycobacterium</i> sp. ANT 08	HM803174.
55	<i>Mycobacterium</i> sp. ANT 07	HM803173
56	<i>Enterococcus faecalis</i> ANT 06	HM803172.
57	<i>Staphylococcus aureus</i> ANT 05	HM803171
58	<i>Pseudomonas aeruginosa</i> ANT 04	HM803170
50	<i>Klebsiella pneumoniae</i> ANT 03	HM803169
60	<i>Enterobacter</i> sp. ANT 02	HM803168
61	<i>Escherichia coli</i> ANT 01	HM803167
62	<i>Bacterium</i> AP01	HQ219671
63	<i>Staphylococcus aureus</i> NTMUR01	JN601431
64	<i>Bacillus subtilis</i> DPNSB-2	JN713924
65	<i>Bacillus subtilis</i> strain DPNST-2	JN713920
66	<i>Bacillus cereus</i> DPNST-28	JN713919
67	<i>Rhizobium</i> sp. WL12	HE800134
68	<i>Bacillus</i> sp. NMPG01	JX002663

69	<i>Bacillus</i> sp. NMPG02	JX002664
70	<i>Stenotrophomonas</i> sp. NMVH01	JX002665
71	<i>Acinetobacter</i> sp. DDCMSPKR7 (blaNDM-1gene)	JX506733
72	<i>Staphylococcus aureus</i> SMKV-2	DQ306891
73	<i>Staphylococcus aureus</i> SMKV-1	DQ306890
74	<i>Stenotrophomonas maltophilia</i> U758	KC751004
75	<i>Klebsiella</i> sp. U759	KC751005
76	<i>Enterobacter asburiae</i> B938	KC759524
77	<i>Stenotrophomonas maltophilia</i> B929	KC759523
78	<i>Stenotrophomonas maltophilia</i> B19	KC759522
79	<i>Escherichia coli</i> U655	KC759521
80	<i>Azospirillum brasilense</i> TMP10	KF493734
81	<i>Bacillus subtilis</i> JMCA1	KF758462
82	<i>Paenibacillus</i> sp. JMCA2	KF758463
83	<i>Bacillus</i> sp. JMCA3	KF758464
84	<i>Brevibacillus</i> sp. JMCA4	KF758465
85	<i>Bacillus niacini</i> JMCA1	KF758466
86	<i>Brevibacillus</i> sp. JMCA2	KF758467
87	<i>Lactobacillus plantarum</i> TMDIM7	KJ621680
88	<i>Bacillus cereus</i> TMDIB1	KJ621681
89	<i>Bacillus subtilis</i> JMCACB1	KJ818247
90	<i>Brevibacillus</i> sp. JMCACB2	KJ818248
92	<i>Lactobacillus plantarum</i> strain NTMI05	KP901272
93	<i>Lactobacillus plantarum</i> strain NTMI20	KP901273
94	<i>Pseudomonas stutzeri</i> strain KSU-1	KP229431
95	<i>Bacillus licheniformis</i> strain KSU-2	KP229432
96	<i>Bacillus cereus</i> strain KSU-3	KP229433
97	<i>Pseudomonas aeruginosa</i> strain KSU-4	KP229434
98	<i>Pseudomonas stutzeri</i> strain KSU-5	KP229435
99	<i>Bacillus licheniformis</i> strain KSU-6	KP229436
100	<i>Pseudomonas</i> sp. KSU-7	KP229437
101	<i>Pseudomonas</i> sp. KSU-8	KP229438
102	<i>Bacillus aryabhatai</i> KSU-9	KP229439
103	<i>Lactobacillus casei</i> NTMI01	KT696583
104	<i>Enterococcus casseliflavus</i> NTMI04	KT696584
105	<i>Klebsiella pneumoniae</i> NTMIK1	KT696585
106	<i>Lactobacillus delbrueckii</i> NTMI12	KT696586
107	<i>Lactobacillus delbrueckii</i> NTMI13	KT696587
108	<i>Enterococcus</i> sp. NTMI17	KT696588
109	<i>Enterococcus casseliflavus</i> NTMI18	KT696589

110	<i>Enterococcus</i> sp. NTMI21	KT696590
111	<i>Enterococcus faecium</i> NTM122	KT696591
112	<i>Rhizobium</i> sp. BDLR3	KU234496
113	<i>Rhizobium</i> sp. PTKR1	KU234497
114	<i>Agrobacterium</i> sp. PTKA3	KU234498
115	<i>Bacillus subtilis</i> RS2	KT962235
116	<i>Bacillus cereus</i> RS3	KT962236
117	<i>Enterococcus canintestini</i> NTMI30	KT726154
118	<i>Pseudomonas</i> sp. NTAAB1	KX078777
119	<i>Pseudomonas plecoglossicida</i> NTAAB2	KX078778
120	<i>Fictibacillus nanhaiensis</i> NTAAB3	KX078779
121	<i>Vibrio harveyi</i> LCVH	KX082945
122	<i>Chromohalobacter salexigens</i> strain S2	MF447850
123	<i>Chromohalobacter israelensis</i> strain S6	MF447851
124	<i>Oceanobacillus manasiensis</i> strain S12	MF447852
125	<i>Bacillus licheniformis</i> strain S15	MF447853
126	<i>Brevundimonas viscosa</i> strain S17	MF447854
127	<i>Bacillus licheniformis</i> strain BAGN005	KY287928
128	<i>Bacillus mojavenensis</i> strain BAGP004	KY287929
129	<i>Bacillus sonorensis</i> strain BKGN007	KY287930
130	<i>Pseudomonas stutzeri</i> strain BKGPN002	KY287931
131	<i>Bacillus atrophaeus</i> strain BSGP006	KY287932
132	<i>Enterobacter kobei</i> strain BVGN0003	KY287933
133	<i>Enterobacter cloacae</i> strain ten-001	KY287934
134	<i>Vibrio alginolyticus</i> strain TFM17	MK007325
135	<i>Vibrio alginolyticus</i> strain TFM30	MK007345
136	<i>Vibrio alginolyticus</i> strain UFM24	MK007470
137	<i>Vibrio harveyi</i> strain CUS2	MK007472
138	<i>Vibrio</i> sp. strain CUS4	MK007474
139	<i>Gammaproteobacteria bacterium</i> CUS5	MK007991
140	<i>Gammaproteobacteria bacterium</i> TFM19	MK007992
141	<i>Gammaproteobacteria bacterium</i> TFM61	MK007993
142	<i>Vibrio parahaemolyticus</i> strain TFM1	MH990262
143	<i>Gammaproteobacteria bacterium</i> TFM4	MH991704
144	<i>Cellulosimicrobium cellulans</i> strain A15	MG208091
145	<i>Pseudomonas stutzeri</i> strain B1	MG208093
146	<i>Bacillus</i> sp. strain B10	MG208094
147	<i>Vibrio alginolyticus</i> strain TFM17	MK007325
148	<i>Vibrio alginolyticus</i> strain TFM30	MK007345
149	<i>Vibrio alginolyticus</i> strain UFM24	MK007470

150	<i>Vibrio harveyi strain CUS2</i>	MK007472
151	<i>Vibrio sp. strain CUS4</i>	MK007474
152	<i>Gammaproteobacteria bacterium strain CUS5</i>	MK007991
153	<i>Gammaproteobacteria bacterium strainTFM19</i>	MK007992
154	<i>Gammaproteobacteria bacterium strainTFM61</i>	MK007993
155	<i>Vibrio parahaemolyticus strain TFM1</i>	MH990262
156	<i>Gammaproteobacteria bacterium strain TFM4</i>	MH991704
157	<i>Pediococcus acidilactici strain NTDIR</i>	ON429037
SUBSURFACE BACTERIA		
1	Bacterium NTN01	FJ435677
2	Bacterium NTN02	FJ435678
3	Bacterium NTN03	FJ435679
4	Bacterium NTN04	FJ435680
5	Bacterium NTN05	FJ435681
6	Bacterium NTN06	FJ435682
7	Bacterium NTN07	FJ435683
8	Bacterium NTN10	FJ435684
9	Bacterium NTN11	FJ435685
10	Bacterium NTN12	FJ435686
11	Bacterium NTN13	FJ435687
12	Bacterium NTN14	FJ435688
13	Bacterium NTN16	FJ435689
14	Bacterium NTN17	FJ435690
15	Bacterium NTN18	FJ435691
16	Bacterium NTN20	FJ435692
17	Bacterium NTN21	FJ435693
18	Bacterium NTN22	FJ435694
19	Bacterium NTN26	HM461554
20	Bacterium NTN34	HM461555
21	Bacterium NTN25	HM461556
22	Bacterium NTN28	HM461557
23	Bacterium NTN24	HM461558
24	Bacterium NTN23	HM461559
25	Bacterium NTN27	HM461560
26	Bacterium NTN30	HM461561
27	Bacterium NTN29	HM461562
28	Bacterium NTN31	HM461563
29	Bacterium NTN32	HM461564
30	Bacterium NTN33	HM461565
31	Bacterium NTN35	HM461566
32	Bacterium NTN36	HM461567

	Fungal taxa used for 18S rRNA/ITS Sequences	
1	<i>Penicillium chrysogenum</i> ARAP01	GQ355589
2	Mutant <i>Penicillium chrysogenum</i> ARAP-CM	GQ355590
3	Mutant <i>Penicillium chrysogenum</i> ARAP-PM	GQ355591
4	<i>Aspergillus ochraceus</i> RTAP112	GQ408916
5	<i>Trichoderma viride</i> KSAP113	GQ408917
6	<i>Trichoderma viride</i> NTDM02 (28S rRNA gene)	GU585846
7	<i>Trichoderma viride</i> NTDMF01 (28S rRNA gene)	GU585845
8	<i>Fusarium incarnatum</i> FS47310	GU067732
9	<i>Hypocrea lixii</i> PSMT1 (ITS region)	GU646678
10	<i>Trichoderma viride</i> NTMF01	HM217756
11	<i>Trichoderma viride</i> NTDMF02	HM217757
12	<i>Trichoderma viride</i> NTDMF01 (Calmodulin gene)	HM635780
13	<i>Trichoderma longibrachiatum</i> NTLF01(ITS)	HQ141714
14	<i>Fusarium</i> sp. NTLF07 (ITS)	HQ141713
15	<i>Aspergillus fumigatus</i> NTLF06(ITS)	HQ141712
16	<i>Emericella nidulans</i> NTLF03 (ITS)	HQ141711
17	<i>Fusarium</i> sp. NTLF08	HQ219675
18	<i>Nodulisporium</i> sp. NTLF04	HQ219674
19	<i>Aspergillus terreus</i> NTLF02	HQ219673
20	<i>Aspergillus</i> sp. AP02	HQ219672
21	<i>Epidermophyton floccosum</i> NTDMF22	HQ537430
22	<i>Trichophyton mentagrophytes</i> NTDMF21	HQ537429
23	<i>Trichophyton rubrum</i> NTDMF20	HQ537428
24	<i>Hypocrea koningii</i> NTLF11	HQ245158
25	<i>Penicillium citrinum</i> NTLF05	HQ245157
26	<i>Calocybe indica</i> AP07	HQ222985
27	<i>Trichoderma viride</i> APT09	JF304319
28	<i>Trichoderma album</i> APT08	JF304318
29	<i>Trichoderma harzianum</i> strain APT04	JF304317
30	<i>Trichoderma glaucum</i> APT03	JF304316
31	<i>Trichoderma hamatum</i> APT02	JF304315
32	<i>Trichoderma viride</i> APT01	JF304314
33	<i>Trichoderma viride</i> NTDMF02 (23S rRNA)	GU585846
34	<i>Aspergillus terreus</i> NTGMP05	JN216837
34	<i>Fusarium</i> sp. NTGMP04	JN216836
36	<i>Penicillium</i> sp. NTGMP03	JN216835

37	<i>Aspergillus fumigatus</i> NTGMP02	JN216834
38	<i>Aspergillus niger</i> NTGMP01	JN216833.
39	<i>Trichoderma viride</i> NTSA03	JN166082
40	<i>Hypocrea rufa</i> NTSA02	JN166081
41	<i>Hypocrea rufa</i> NTSA01	JN166080
42	<i>Candida albicans</i> NTMUR04	JN601432
43	<i>Aigialus grandis</i> TTMF1	JN887738
44	<i>Penicillium chermesinum</i> TTMF3	JN863100
45	<i>Gliocladiopsis sumatrensis</i> TTMF4	JN871719
46	<i>Penicillium spinulosum</i> TTMF2	JN863099
47	<i>Hypocrea lixii</i> DPNST-4	JN713922
48	<i>Hypocrea rufa</i> DPNST-29	JN713923
49	<i>Trichoderma aureoviride</i> DPNST-8	JN713921
50	<i>Aspergillus terreus</i> NCBT111	JX863370
51	<i>Aspergillus niger</i> NCBT110	JX863371
52	<i>Aspergillus terreus</i> NCBT111A	JX863372
53	<i>Aspergillus terreus</i> NCBT111B	JX863373
54	<i>Aspergillus niger</i> NCBT110A	JX863374
55	<i>Psilocybe cubensis</i> DPT1	KT246472
56	<i>Chaetomium globosum</i> strain SAMI CC10 (ITS)	MG596960
57	<i>Fusarium lichenicola</i> isolate NTRIR01	ON307228
58	<i>Chromobacterium violaceum</i> strain NTAIR 01	ON195257
	Microalgal taxa used for 18S rRNA Sequencing	GenBank Accession Nos. (NCBI, EMBL & DDBJ)
1	<i>Chlorella</i> sp. NTAI01	GU186909
2	<i>Synedra</i> sp. NTDMN01	HM635776
3	<i>Synedra</i> sp. NTDMN02	HM635777
4	<i>Amphora</i> sp. NTDMN02	HM635778
5	<i>Stauroneis</i> sp. NTDMN01	HM635779
6	<i>Cymbella tumida</i> NTDMN03	HM585048
7	<i>Monoraphidium</i> sp. NTAI03	HM768826
8	<i>Chlorella</i> sp. NTMP01 calmodulin(CaM)	HQ219686
9	<i>Chlorella vulgaris</i> NTMP06	HQ123323
10	<i>Chlorella vulgaris</i> NTMP05	HQ123322
11	<i>Hartmannella vermiformis</i>	JN402971
12	<i>Poterioochromonas</i> sp. NTN05	JN402973

13	<i>Poterioochromonas</i> sp. NTN04	JN402972
14	<i>Poterioochromonas</i> sp. NTN07	JN402966
15	<i>Poterioochromonas</i> sp. NTN06	JN402968
16	<i>Poterioochromonas</i> sp. NTN03	JN402967
17	<i>Poterioochromonas</i> sp. NTN02	JN402969
18	<i>Poterioochromonas</i> sp. NTN01	JN402965
19	<i>Botryococcus</i> sp. NTN08	JN402970
20	<i>Chlorella</i> sp. SGBRA07	JQ231277
21	<i>Coelastrella</i> sp. NTEB01	JQ731679
22	<i>Tetradesmus</i> sp. NTAI05	JQ796860
23	<i>Acrochaete repens</i> NTAI07	JQ796861
24	<i>Tetradesmus</i> sp. NTAI04	JQ796862
25	<i>Botryococcus</i> sp. NTAI06	JQ796863
26	<i>Chlorella vulgaris</i> BUM11129	KC218502
27	<i>Dunaliella</i> sp. BUM11123	KC218500
28	<i>Chlorella</i> sp. BUM11115	KC218498
29	<i>Chlorella</i> sp. BUM11109	KC218496
30	<i>Coelastrella</i> sp. BUM11107	KC218494
31	<i>Chlamydomonas</i> sp. BUM11080	KC218492
32	<i>Sphaerocystis</i> sp. BUM11019	KC218490
33	<i>Scenedesmus naegelii</i> BUM11014	KC218488
34	<i>Scenedesmus quadricauda</i> BUM11012	KC218486
35	<i>Chlorella</i> sp. BUM11009	KC218484
36	<i>Chlorococcum</i> sp. BUM11006	KC218482
37	<i>Chlorococcum</i> sp. BUM11004	KC218480.
38	<i>Chlorella</i> sp. BUM11002	KC218478
39	<i>Neochloris</i> sp. BUM11127	KC218501
40	<i>Desmodesmus intermedius</i> BUM1116	KC218499
41	<i>Coelastrella</i> sp. BUM11113	KC218497
42	<i>Scenedesmus</i> sp. BUM11108	KC218495
43	<i>Chlorella</i> sp. BUM11098	KC218493
44	<i>Selenastrum</i> sp. BUM11047	KC218491
45	<i>Scenedesmus acutus</i> BUM11015	KC218489
46	<i>Desmodesmus maximus</i> BUM11013	KC218487
47	<i>Chlorella</i> sp. BUM11010	KC218485
48	<i>Chlorella</i> sp. BUM11008	KC218483
49	<i>Chlorella</i> sp. BUM11005	KC218481
50	<i>Chlorella</i> sp. BUM11003	KC218479
51	<i>Chlorococcum</i> sp. BUM11001	KC218477
52	<i>Coelastrella</i> sp. NTAI15	KJ875929
53	<i>Scenedesmus</i> sp. NTMDB8	KM486534

54	<i>Chlorella</i> sp. NTMDB9	KM486535
55	<i>Navicula</i> sp. NTMKB5	KM486536
56	<i>Nitzschia</i> sp. NTMKB9	KM486537
57	<i>Dunaliella salina</i> strain SS/AK/ABL/ RDU-03	MG271848
58	<i>Dunaliella salina</i> SS/AK/GP/NT/ABL/RDU-01	MF997534
59	<i>Dunaliella salina</i> SS/AK/NT/ABL/ RDU-02	MF997535
60	<i>Chlorella</i> sp. isolate NTBN_1	OP643786
61	<i>Chlorella</i> sp. isolate NTBN_1	OP646449
62	<i>Chlorella vulgaris</i> NRMC-F 0128	PP596841
63	<i>Tetrademus dimorphus</i> NRMC-F	PP616685
Microzooplankton / Protozoans		
1	<i>Hartmannella vermiformis</i>	JN402971
2	<i>Moneuplotes crassus</i> strain NTNA17	HQ256516
Viral Sequences		
1	HIV – 1 isolate 7R	GU391337
2	HIV – 1 isolate 7F	GU391336
3	HIV – 1 isolate 6R	GU391335
4	HIV – 1 isolate 6F	GU391334
5	Hepatitis B virus isolate 16R	GU391333
6	Hepatitis B virus isolate 16F	GU391332
7	Hepatitis B virus isolate 15R	GU391331
8	Hepatitis B virus isolate 15F	GU391330

41. Barcode of Fungi using ITS regions

No.	Fungal isolates	Barcode ID (BOLD)
1	<i>Trichoderma viride</i> NTDMF01	NTDMF001-10
2	<i>Penicillium citrinum</i> NTLF05	NTMLF001-11
3	<i>Emericella nidulans</i> NTLF03	NTMLF002-11
4	<i>Aspergillus</i> sp. NTLF06	NTMLF003-11
5	<i>Fusarium</i> sp. NTLF07	NTMLF004-11
6	<i>Trichoderma</i> sp. NTLF01	NTMLF005-11

Ref.: http://www.boldsystems.org/index.php/Public_SearchTerms

42. Whole genome sequence

(ION_TORRENT (Ion GeneStudio S5) WGS Sequencer)

No.	Cyanobacterial isolates	GenBank Accession Number
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1	<i>Oscillatoria laete-virens</i> NRMCF 0139	PRJNA946290
2	<i>Oscillatoria cortiana</i> NRMCF 0138	PRJNA946287
3	<i>Oscillatoria splendida</i> NRMCF 0141	PRJNA943129
4	<i>Geitlerinema splendidum</i> NRMCF 0141	JASHIH000000000
5	<i>Kamptonema cortianum</i> NRMCF 0138	JASNGF000000000
6	<i>Geitlerinema calcuttense</i> NRMCF 0142	NZ_JASVEJ000000000
7	<i>Oscillatoria amoena</i> NRMCF 0135	JASVEI000000000

43. Establishments: at Bharathidasan University

S. No.	Name of Centre/Unit established	Funding Agency	Quantum of grant	Year	Role
1	National Repository for Microalgae & Cyanobacteria – Freshwater (NRMCF)	Dept. of Biotechnology (DBT) Govt. of India	Rs. 1,75,35,000	2015	Principal Investigator
2.	Microalgal mass cultivation unit		Rs 5,00,000	2013	Principal Investigator
3.	Mobile Taxonomy Laboratory		Rs 10,00,000	2015	Principal Investigator
4.	National Facility for Marine Cyanobacteria (NFMC)		Played key role in the development of NFMC		
5.	Mushroom cultivation unit		Rs 1,00,000	2009	Principal Investigator

44 . Number of Ph.D Thesis Adjudicated / Viva voce: One Hundred and Fifty Four (154) candidates

No	Name of the candidate	Name of the Guide	Name of the University / subject/ Year	Title of the Ph.D., thesis
1	Ms. N.A. Uma Maheshwari	Dr. P.V. Madhusoodanan	University of Calicut Calicut Botany - 2005	Isolation and characterization of Nostocales (Cyanobacteria) of paddy fields of Kerala
2	Mr. P. Krishnan**	Dr. S. Ratnavel	Madurai Kamaraj University, Madurai. Botany, 2006	Simulation model for forecasting blast disease of Rice
3	Smt. M. Shamina	Dr. P.V. Madhusoodanan	University of Calicut Calicut Botany - 2006	“Characterization of the cyanobacteria <i>Scytonema cincinnatum</i> Ex Born et Flah. (Scytonemataceae) and <i>Westiellopsis prolifica</i> Janet

				(Stigonemataceae) of acidic soils of Kerala”
4	Ms. V. Uma Rani*	Dr. N. Anand	University of Madras, Chennai Botany, 2007	Biodiversity of cyanobacteria from the sugarcane fields of Tamil Nadu, India
5	MD. Abbas Khan	Dr. Tasneem Fatma	Jamia Millia Islamia, New Delhi Biosciences, 2007	Studies on proline in cyanobacteria under environmental stresses.
6	Mr. K. Nirmal Kumar	Dr. T. Ganesan	Pondicherry University, Pondicherry Plant Sciences, 2007	Isolation, screening and molecular characterization of antibiotic producing marine actinomycetes.
7	Ms. A. Ezhilarasi	Dr. N. Anand	CAS in Botany University of Madras, Chennai Botany, 2007	Molecular Taxonomic Studies on the genus <i>Anabaena</i> Bory.
8	Mr. Satyendra Kumar	Dr. Tasneem Fatma	Jamia Millia Islamia, New Delhi Biosciences, 2008	Chlorinated pesticides stress response in Cyanobacteria
9	Ms. Sunaina Zutshi	Dr. Tasneem Fatma	Jamia Millia Islamia, New Delhi Biosciences, 2008	Heavy metal stress induced enzyme in cyanobacteria
10	Ms. Shweta Jotwani	Dr. M.C.Kanchan	Bundelkhand University, Jhansi Microbiology, 2009	Bioconversion of sugarcane bagasse and its utilization as non-conversion energy source.
11	*Mr. P. Ashok Kumar	Dr. V. Kannan	University of Madras, Chennai Botany, 2009	Production, purification and characterization of an extracellular nuclease from <i>Bacillus firmus</i> VKPACU-1
12	**Mr. R. Vijayaraghavan	Dr. S. Rajendran	Madurai Kamaraj University, Madurai Botany. 2009	Isolation and Identification of a Novel Agarolytic and Carrageenan Degrading Bacteria from Marine Sources.
13	Mr. M. Babuselvam	Dr. S. Ravikumar	Manonmaniam Sundaranar University, Thirunelveli – 627 012 Marine Biotechnology 2009	Scientific Evaluation of Safety and Efficacy profile of Marine Herbal Siddha Formulations in the Management of Arthritis
14	**Mr. S. Subramani	Dr. S. Rajendran	Madurai Kamaraj University, Madurai Microbiology. 2009	Antimicrobial effect of neem on <i>Salmonella</i> and other sewage bacteria
15	**Mrs. C.N. Murugalakshmi	Dr. S. S. Sudha	Bharathiar University, Coimbatore Microbiology, 2010	Studies on <i>Pseudomonas fluorescens</i> as a significant biocontrol alternative to chemical agent against <i>Sclerotium rolfsii</i> – root rot fungus of <i>Arachis hypogea</i> .
16	Mr. Avik Kumar Choudhury	Dr. Ruma Pal	University of Calcutta Kolkatta	Phytoplankton dynamics of coastal West Bengal with

			Botany, 2010	special reference to bioaccumulation of heavy metals.
17	**Mr. S. Padmanabhan	Dr. Ranjan Prasad	Madurai Kamaraj University Madurai Biotechnology, 2010	<i>Streptomyces</i> gene expression and regulation for daunorubicin production and transport.
18	Ms. M. Bakyalakshmi	Dr. N. Mohan	CAS in Botany University of Madras, Chennai Botany, 2010	Isolation, purification and characterization of restriction endonuclease from <i>Bacillus mycoides</i> strain <i>BMI</i> and <i>Bacillus</i> strain <i>BM2</i>
19	**Mr. M. Gnanadesigan	Dr. S. Ravikumar	Alagappa University, Karaikudi Oceanography & Costal Area Studies, (Int. Disip.- Biotechnology) - 2010	Studies on the hepatoprotective and antioxidant activity of chosen marine halophytes for the management of liver damage.
20	*Ms. M. Kanimozhi	Dr. V. Kannan	CAS in Botany University of Madras, Chennai Botany, 2010	Bioremediation of chromium contaminated soil and characterization of chromate reductase from a rhizosphere bacterium.
21	*Mr. K. Ramakrishnan	Dr. N. Raaman	CAS in Botany University of Madras, Chennai Botany, 2011	Studies on the development of floral buds in <i>Vanilla plantifolia</i> Andrews
22	Mr. P.K.Maheshwar	Dr. G.R.Janardhana	University of Mysore, Mysore- 570 006 Microbiology 2011	Diversity of <i>Fusarium</i> species and extent of Fumonisin contamination in Rice (<i>Oryza sativa</i> L. grown in Karnataka, India.
23	*Mr. R.V. Prabu	Dr. K. Murugan	Periyar University Salem – 636 011 Microbiology - 2010	Phytochemical and molecular docking studies on certain Indian medicinal plants for antiviral properties against HIV and HBV
24.	**Mr. M. Syed Ali	Dr. S. Ravikumar	Alagappa University, Karaikudi Oceanography & Costal Area Studies, (Int.Disip.- Biotechnology) 2011	Screening of various biological resources from Gulf of Mannar for the management of Dengue fever.
25.	**Ms. A. Kalaiarasi	Dr. S. Ravikumar	Alagappa University, Karaikudi Oceanography & Costal Area Studies - 2011	Effect of ecofriendly vermicompost from seagrass on the growth, yield and biochemical properties of agricultural crop plants
26	Ms Saman Mushir	Dr. Tasneem Fatma	Jamia Millia Islamia, New Delhi, Biosciences, 2011	Screening and optimization of Mycosporine-like aminoacids and scytonemin (sunscreen pigments) in cyanobacteria
27	**Ms. S. Deepa	Dr. K. Padmakumar	University of Kerala Thiruvananthapuram Aquatic Biology and Fisheries - 2011	Chemical ecology of selected marine organisms

28	**Ms. K. Rasmi	Dr. Ranjan Prasad	Madurai Kamaraj University Madurai Biotechnology, 2011	Biochemical and genetic analysis of interaction between daunorubicin and secreted serine protease of <i>Streptomyces peucetius</i>
29	*Mr. K. Syed Musthafa	Dr. A.Veera Ravi	Alagappa University Karaikudi – 630 003 Biotechnology - 2011	Anti-Quorum Sensing and Antimicrobial potential of marine sediment bacteria.
30	Mr.V. Venkata Ramana	Dr. (Mrs.) Ch. Sasikala	Jawaharlar Nehru Technological University Hyderabad – 500 085 Biotechnology - 2011	Cultured Diversity of Anoxygenic Phototrophic Purple Bacteria of diverse habitats of India.
31	*Mr. P. Dhamodhar	Dr. R. Saravanan	Periyar University, Salem- 636 011 Biotechnology - 2011	A study on drug resistant <i>Streptococcus pyogenes</i> with special reference to sequencing, PCR – RFLP and cloning of ‘emm’ gene and evaluation of the active principles of a fen herbal extracts for their antimicrobial activity.
32	**Mr. V. Karupiah	Dr. K. Sivakumar	CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biotechnology -2011	Ecology, Diversity and Bioactivity of Marine Actinobacteria of the Gulf of Mannar Biosphere Reserve, India.
33	**Ms. D. Sangeetha	Dr. D. Stella	Department of Microbiology Annamalai University Annamalainagar – 608 002 Microbiology -2012	Studied on the development of microbial consortia for the enhancement of biomass production of medicinal plant Vetiver (<i>Vetiveria zizanioides</i> L.)
34	**Ms. J.Vimalin Hena	Dr. S. S. Sudha	Bharathiar University, Coimbatore Microbiology, 2012	Molecular profiling of community associated methicillin resistant <i>Staphylococcus aureus</i> isolated from school children and it's antimicrobial peptides <i>in vivo</i> and <i>in vitro</i> characterization.
35	**Mr. B. Suresh	Dr S. Maruthamuthu	Alagappa University Karaikudi 630 003 Microbiology - 2012	Degradation of Plastics by Microbes
36	Ms. Nilofer Khatoon	Dr. Ruma Pal	University of Calcutta Kolkatta 700 019 Botany - 2012	Growth and nutritional parameter analysis of some microalgae and their beneficial role in the diet of <i>Labeo rohita</i> (Rohu) and <i>Carassius auratus</i> (Gold fish)
37	Ms Midhila Padman	Dr. G. R. Janardhana	University of Mysore, Mysore - 570 006 Microbiology 2012	Microbiological studies on leaf spot disease of <i>Murraya koenigii</i> .

38	**Ms G. Karthikai Devi	Dr. P. Anantharaman	CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biology and Oceanography -2012	Evaluation of phytochemicals, antioxidant and antiproliferative properties of selected seaweeds from Gulf of Mannar
39	*N. Mathiyazhagan	Dr. D. Natarajan	Dept. of Biotechnology Periyar University Salem - 636 011 Biotechnology 2013	Assessment of microbial diversity and its effective bioremediation process to minimize heavy metals from mining area (Bauxite and Magnesite) through biotechnological approach.
40	**Mr. L. Mugilan	Dr. R. Ilango	Department of Microbiology Annamalai University Annamalainagar – 608 002 Microbiology -2012	Development of microbial technology for the management and effective utilization of coir pith waste.
41	**Mr. M. Sakthivel	Dr. B. Deivasigamani	CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biotechnology- 2012	Immunomodulatory studies on polysaccharides from selected terrestrial plants and seaweeds in milkfish <i>Chanos chanos</i> against <i>Vibrio parahaemolyticus</i> .
42.	**Mr. K. Sathiyaseelan	Dr. D. Stella	Department of Microbiology Annamalai University Annamalainagar – 608 002 Microbiology -2012	Isolation, Characterization and Pharmacological screening of novel metabolites from <i>Actinomyces</i> sp. isolated from mangrove ecosystem of Tamilnadu region for the treatment of Diabetes Mellitus.
43	**Mr. R. Ilayaraja	Dr. Radha Madhavan	Department of Medical Microbiology SRM University Kattankulathur - 603 203 Microbiology - 2012	Study of the probiotic and antibacterial activity and characterization of <i>Lactobacillus</i> strains isolated from human breast milk.
44	**Mr. J. Rajesh Singh	Dr. S. Jayalakshmi	Faculty of Marine Sciences CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biotechnology- 2013	Isolation and purification of small peptide antibiotic from mangrove sediment - A metagenomic approach.
45	**Ms. C. Aarthi	Dr. K. Sivakumar	Faculty of Marine Sciences CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biotechnology- 2013	Ecology, diversity and biofuel potential of Actinobacteria of the mud volcano of an oceanic island, Baratang, The Andamans, India
46.	T.M.Namasivayam	Dr.Sm.Muthukkaruppan	Department of Microbiology Annamalai University Annamalainagar – 608 002 Microbiology -2012	Studies on the microbial solubilization of organic siliceous rice residues and its impact on the enhancement of Blast disease management in lowland rice.

47.	**R. Suresh Kumar	Dr. P. Ganesh	Department of Microbiology Annamalai University Annamalainagar – 608 002. Microbiology -2013	Bioconversion of coir pith waste by different methods and its effect on growth and yield of Groundnut (<i>Arachis hypogaea</i> L.) by field application studies
48.	**R. Elaiya Raja	Dr. P. Ganesh	Department of Microbiology Annamalai University Annamalainagar – 608 002. Microbiology -2013	Studies on production and molecular characterization of bioactive substances from certain edible mushrooms using different substrates.
49	**R. Rani	Dr. K. Sivakumar	Department of Botany Annamalai University Annamalainagar – 608 002. Botany -2013	Ecology and biodiversity of fresh water microalgae in Chidambaram, Cuddalore district of Tamilnadu with special reference to phycoremediation.
50	**G. Karunakaran	Dr. V. Rajendran	Faculty of Science & Humanities Anna University Chennai - 600 025	Investigations on toxicological behaviour of Nano SiO ₂ , Al ₂ O ₃ , TiO ₂ and ZrO ₂ particles in different environments.
51	Anitha Mishra	Dr. Sailabala Padhi	PG Department of Botany Berhampur University Berhampur - 760 007 Odisha Botany - 2013	Evaluation of algal flora of a fresh water reservoir Tampara at Chatrapur (Orissa) for monitoring water quality effluent treatment and biological potential as biofertilizer .
52	**K. Girija	Dr. P. Anantharaman	Faculty of Marine Sciences CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biotechnology- 2013	Partial characterization and comparative study of phenolic compounds from selected seaweeds and their bioactive potentials.
53	**A. Hemalatha	Dr. P. Anantharaman	Faculty of Marine Sciences CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biology and Oceanography - 2013	Diversity of phytoplankton and bioactive potentials of selected marine diatoms in Cuddalore coastal waters, southeast coast of India.
54	**H. Sridhar	Dr. (Mrs) S. Umamaheswari	Dept. of Biotechnology Manonmanium Sundaranar University Tirunelveli – 627 012 Biotechnology / Microbiology - 2014	Diversity and distribution of <i>Salmonella</i> specific phages in Tamil Nadu and their phage therapy efficiency.
55	**Neha Gosh	Dr. A.K. Goel	Bharathiar University Coimbatore – 641 046 Biological Sciences - 2014	Development of Immunological detection and Diagnostic Systems for Anthrax from environmental and clinical samples.
56	*V. Gopinath	Dr. P. Velusamy	SRM University Kattankulathur – 603 203 Biotechnology - 2014	Biological Synthesis and application of metal nanoparticles.

57	**G. Abirami	Dr. K. Kathiresan	Faculty of Marine Sciences CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Microbiology- 2014	Studies on anaerobic bacteria isolated from mangrove environment.
58	**T. Thinakaran	Dr. K. Sivakumar	Department of Botany Annamalai University Annamalainagar – 608 002. Herbal Science -2013	Pharmacognostical, phycochemical and anti-diabetic effect of <i>Sargasam wightii</i> on streptozotocin induced male Albino Wister rats.
59.	**S. Sankar	Dr. S. Jayalakshmi	Faculty of Marine Sciences CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Microbiology- 2014	Production, Characterization, evaluation of a rhamnolipid biosurfactant from a marine strain <i>Pseudomonas stutzeri</i> and its agricultural applications.
60	**S. Venkatachalam	Dr. S.R.Prabakaran	Bharathiar University Coimbatore – 641 046 Biotechnology – 2014.	Bacterial diversity in the Himalayan mountains of India and Nepal towards bioprospecting for cold-active enzymes
61	**S. Silambarasan	Dr. Jayanthi Abraham	VIT University Vellore 632 014 Biosciences & Technology - 2014	Microbial powder formulation for biodegradation of organophosphorus pesticides.
62	*D. Sudha	Dr.R.Balagurunathan	Dept. of Microbiology Periyar University Salem – 636 011 Microbiology - 2014	Bioremediation of reactive azo dyes by <i>Bacillus licheniformis</i> and <i>Bacillus thuringiensis</i> isolated from textile effluent contaminated site.
63	Jayanta Talukdar	Dr. M.C. Kalita	Dept. of Biotechnology Gauhati University Guwahati – 781 014 Assam Biotechnology – 2014.	Isolation, screening and characterization of biodiesel potential of a few selected freshwater oleaginous microalgae of Assam with special emphasis on <i>Botryococcus braunii</i> Kützing.
64	*R. Suriyaprabha	Dr. V. Rajendran	Faculty of Science & Humanities Anna University Chennai - 600 025	Application of silica nanoparticles for maize growth and yield improvement.
65	**C. Initha Lebanon Ebency	Dr. S. Rajan	Manonmanium Sundaranar University Sri Paramakalyani Centre of Excellence in Environmental Science Alwarkurichi – 627 412 Microbiology – 2014.	Microbial degradation of Azo dyes using natural/wild strains
66	Elizabeth Thokchom	Dr.M.C. Kalita	Dept. of Biotechnology Gauhati University Guwahati 78 014 Assam	Rhizobacterial community and plant growth promotion of <i>Citrus reticulata</i> Blanco

			Biotechnology - 2014	
67	Kumari Pushpa Rani, T.P.	Dr. B. Vijayalakshmi Amma	Department of Chemistry Noorul Islam University Kumaracoil – 629 180 Tamilnadu Microbiology - 2014	Genetic variability of lower respiratory tract pathogens and their susceptibility to Indigenous medicinal plants.
68	*R. Seenivasagan	Dr. P.M. Ayyasamy	Dept. of Microbiology Periyar University Salem – 636 011 Microbiology - 2014	Studies on nitrate removal from ground water and soil through lab scale processes using denitrifying bacteria.
69	Basha Sreenivasulu	Dr. Ch. Paramageetham	Dept. of Microbiology Sri Venkateswara University Tirupati – 517 502 Microbiology - 2014	Isolation, screening characterization and biobeneficiation of alkaliphiles associated with muscovite.
70	V. K. Praveen	Dr. J. Savitha	Dept. of Microbiology & Biotechnology Bangalore University Bangalore – 560 056 Microbiology - 2015	Comparative analysis of Lovastatin Production in Soil and Endophytic Fungi
71	L. Sreelatha	Dr. T. Sharmila	Dept. of Microbiology & Biotechnology Bangalore University Bangalore – 560 056 Microbiology - 2015	Antifungal activity of medicinal plant extracts on <i>Malassezia furfur</i> .
72	**M. Srikumar	Dr. K. Padmakumar	Department of Aquatic Biology and Fisheries University of Kerala Thiruvananthapuram Kerala – 695 581 Aquatic Biology and Fisheries - 2015	Ecological interactions and defense strategies of Marine organisms
73	**M. Suresh	Dr P. Anantharaman	Faculty of Marine Sciences CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Microbiology - 2015	Investigation on biofouling communities of Vellar Estuary, South East Coast of India and identification of environmentally benign antifouling compounds from the selected Seaweeds
74	**F. Prija	Dr. Ranjan Prasad	Department of Genetic Engineering School of Biotechnology, Madurai Kamaraj University Madurai-625021 Biotechnology March 2015	Analysis of self resistance mechanisms of Anthracycline producing <i>Streptomyces</i>
75	**S.U. Anusha	Dr.S.K.Sundar	Dept. of Microbiology Noorul Islam College of Arts and Science, Kumaracoil Kanniyakumari-629180 Manonmaniam Sundaranar University, Microbiology August 2015	Screening of Multidrug resistant urinary tract bacteria and its genetic variability pattern.

76	**R. Preethi	Dr. P.R.Padma	Dept. of Biotechnology Avinashilingam Institute for Home Science and Higher Education for Women. Coimbatore – 641 043. November 2015	Green synthesis for biologically active silver nanobioconjugates using eugenol and resveratrol and their plant sources, Piper betel leaves and Vitis vinifera seeds.
77	**Sangeetha Menon	Dr. V. Mohan	Dept. of Microbiology Division of Forest Protection Institute of Forest Genetics and Tree Breeding Coimbatore – 641 002 January - 2015	Diversity and effect of Plant Growth Promoting Rhizobacteria (PGPR) and Arbuscular Mycorrhizal (AM) fungi as bioinoculants for growth enhancement of selected native tree species”
78	*P. Sugandhi	Dr. D. Arvind Prasanth	Dept. of Microbiology Periyar University Salem – 636 011 Microbiology - 2016	Clinical profile and microbiological investigation of diabetic foot infections in foot care hospitals in and around Salem, Tamilnadu.
79.	T.S. Geetha	Dr. N. Geetha	Dept. of Biotechnology Mother Teresa Women’s University Kodaikanal – 624 102 Biotechnology - 2016	Pharmacognostic evaluation and assessment of anticancer potential using plant acetone extract, plant mediated silver nanoparticles and isolated compounds of <i>Cymbopogon citratus</i> (DC) Stapf leaves.
80	Meenu Panwar	Dr. Rupinder Tewari	Department od Microbial Biotechnology Punjab University Chandigarh – 160 014 Microbial Technology 2016	Evaluation of Plant growth promoting Rhizobacteria on a Legume crop grown under salt stress condition.
81	Sandeep Kaur	Dr.J.I.S. Khattar	Department of Botany Punjabi University Patiala 157 002 Botany - 2016	Isolation, optimization and characterization of phycobiliproteins from selected cyanobacteria.
82	Jeevesh Nadda	Dr. D.P.Singh	Department of Botany Punjabi University Patiala 157 002 Botany - 2016	Characterization and optimization of Chlorpyrifos removal and tolerance mechanism in the cyanobacterium <i>Synechocystis</i> sp. strain PUPCCC 64.
83	S. Mahadevakumar	Dr.G.R.Janardhana	Department of Studies in Botany University of Mysore Manasagangotri Mysore – 570 006 Botany - 2016	Biochemical and Molecular characterization of Pathogenesis Related Proteins (PRP’s) and their role in conferring resistance in <i>Solanum melongena</i> L. against <i>Phomopsis vexans</i> .
84	Sumbul Afreen	Dr. Tasneem Fatma	Department of Biosciences Faculty of Natural Sciences Jamia Millia Islamia New Delhi – 110 025 July 2016	Detection and Characterization of laccase from cyanobacteria.

85	R.M.Bhute	Dr.C.J.Chandekar	Faculty of Science Rastrasant Tuhadoji Maharaj Nagpur University Nagpur – 440 033 Microbiology - 2015	Isolation and Characterization of Microorganisms/Bacteria in Basi Bhat – A conventional Indian fermented food.
86	**S. Balaji	Dr. C. Rajasekaran	School of Bioscience & Technology VIT University, Vellore – 632 014 November - 2016	Phycoremediation efficacy of Microalgae species against Cr(VI) contaminants in Tannery effluents.
87	Shaheen Husain	Dr. Tasneem Fatma	Department of Biosciences Faculty of Natural Sciences Jamia Millia Islamia New Delhi – 110 025 November 2016	Biosynthesis, Screening, Optimization and Characterization of Silver Nanoparticles using Cyanobacteria
88	N. Usha	Dr.G.R.Janardhana	Dept. of Studies in Botany University of Mysore Manasagangotri Mysore – 570 006 Karnataka January 2017	Studies on Diversity of Basidiomycetes from Western Ghats of Karnataka and Bioprospecting of Bioactive compound.
89	**M. Sudha Devi	Dr. P. R. Padma	Dept. of Biotechnology Avinashilingam Institute for Home Science and Higher Education for Women. Coimbatore – 641 043. February 2016	A study on the therapeutic potential of silver and gold nanobioconjugates from <i>Clitoria ternatea</i> leaves.
90	Prachi Arun Zawar	Dr P.R. Puranik	School of Life Sciences, North Maharashtra University, Jalgaon 425001 Maharashtra State Biotechnology January 2017	Carbon dioxide sequestration by alkaliphilic microalgae with teeming biotechnological potentials
91	Neha Anil Mupidwar	Dr. Arun B. Ingle	Faculty of Science Rastrasant Tuhadoji Maharaj Nagpur University Nagpur – 440 033 Microbiology November 2015	Serotyping, Antimicrobial Resistance & PCR Amplification studies on <i>E. coli</i> isolates from drinking water sources.
92	**R. Karpagam	Dr.P. Varalakshmi	Department of Molecular Microbiology School of Biotechnology, Madurai Kamaraj University Madurai-625021 Biotechnology December 2016	Production of biodiesel from oleaginous microalgae: strain selection, media optimization and metabolic engineering for enhanced lipid biosynthesis.
93	Mugdha S. Apte	Dr. Smita S. Zinjarde	Faculty of Science Institute of Bioinformatics and Biotechnology Savitribai Phule Pune University Pune – 411 007 Microbiology 2017	Application of Marine microbial systems in the synthesis of Gold and silver nanostructures.

94	**C. Aravindraja	Dr. S. Karutha Pandian	Department of Biotechnology Alagappa University, Karaikudi – 630 003 Biotechnology - 2017	Exploration of bacterial diversity and functional aspects of marine sediment through metagenomics and metaproteomics.
95	**S. Sivapriyadharshini	Dr. P.R.Padma	Dept. of Biotechnology Avinashilingam Institute for Home Science and Higher Education for Women. Coimbatore – 641 043. September 2016	Effect of Quercetin and Kaempferol on the genomic and proteomic components of oral cancer cells.
96	**T. Punitha	Dr. K. Moorthy	Department of Microbiology Vivekananda College of Arts & Science for Women Tiruchengode – 637 205 Periyar University February 2017	Mycological and Molecular Profile keratohyalohypho - mycosis from ocular clinical samples in a tertiary eyecare hospital, Tamil Nadu, South India.
97	**R. Vinothini	Dr. K. Moorthy	Department of Microbiology Vivekananda College of Arts & Science for Women Tiruchengode – 637 205 Periyar University February 2017	Prevalence of antifungal susceptibility and virulence factors of <i>Candida albicans</i> and non <i>albicans Candida</i> species from Eastern Tamilnadu, India.
98	S. Dinesh Kumar	Dr. S. Sudhakar	Dept. of Biotechnology Manonmaniam Sundaranar University Tirunelveli - 627 012 August 2017 Biotechnology – Molecular Biology (Interdisciplinary) August 2017	Molecular and Functional studies of Riboflavin source in Earthworm and their Applications
99	**S. Boopathi	Dr. N. Sivakumar	Department of Molecular Microbiology School of Biotechnology Madurai Kamaraj University Madurai - 625 021 Biotechnology June 2017	Stigmatillin Y – a Quorum sensing inhibitor from marine <i>Bacillus subtilis</i> BR4 possibly interferes in PQS-PqsR mediated quorum sensing system in <i>Pseudomonas aeruginosa</i>
100	**K. Jawahar Raj	Dr. P. Varalakshmi	Department of Molecular Microbiology School of Biotechnology, Madurai Kamaraj University Madurai-625021 Biotechnology January 2018	Green energy from oleaginous unicellular cyanobacteria: Production, optimization and over expression studies for biodiesel production
100	P.V.Giri Prasad	Dr. Ch. Paramageetham	Department of Microbiology S V U College of Sciences Sri Venkateshwara University Tirupati – 517 502 Andhra Pradesh Microbiology July 2017	Molecular Characterization of Multidrug resistance in Mycobacterium tuberculosis isolated from southern districts of Andhra Pradesh.
101	N. Arul Muthu Kumaran	Dr. M. Hussain Munavar	Dept. of Molecular Biology	Genetic regulatory mechanisms in <i>Escherichia</i>

			School of Biological Sciences CAS in Functional and Organismal Genomics Madurai Kamaraj University Madurai – 625021 September 2017	<i>coli</i> : Analyses of elicitation of Alp (Alternate Lon Protease) phenotype by mutations that affect functions of DnaJ and DnaK.
102	**K. Rama Devi	Dr. A. Veera Ravi	Department of Biotechnology Alagappa University, Karaikudi – 630 003 Biotechnology - 2018	Deciphering the Efficacy of Natural Antipathogenic Agents against Virulence and Biofilm formation of Gram-Negative Bacterial Pathogens.
103	**B. Shanmuganathan	Dr. K. Pandima Devi	Department of Biotechnology Alagappa University, Karaikudi – 630 003 Biotechnology - 2018	Protective potential of <i>Padina gymnospora</i> and its active compound α -Bisabolol against the neurotoxic β -Amyloid peptide: An <i>in vitro</i> and <i>in vivo</i> study.
104	Nazia Ahmad	Dr. Tasneem Fatma	Department of Biosciences Jamia Millia Islamia, New Delhi – 110 025 Biosciences, 2018	Role of phytohormone (IAA) in pesticide resistance in cyanobacterial biofertilizer.
105	**S. Thiyagarajan	Dr. S. Kathiresan	Dept. of Molecular Biology School of Biological Sciences Madurai Kamaraj University Madurai – 625021 April 2018	Molecular Studies on high value polyunsaturated fatty acid genes from Marine Microalgae.
106	J.M. Aswathy	Dr. K. Murugan	Department of Botany University College, Thiruvananthapuram, Kerala University of Kerala March 2018	<i>In vitro</i> production, purification of anthocyanin and analysis of biological potentialities from <i>Begonia malabarica</i> Lam. and <i>Begonia rex-cultorum</i> (Baby Rainbow) L.H.Bailey
107	C.H. Kavitha	Dr. K. Murugan	Department of Botany University College, Thiruvananthapuram, Kerala University of Kerala March 2018	Mechanism of drought tolerance in <i>Dicranopteris linearis</i> (Burm.f.) C.B.Clarke (Pteridophyta) and its management through different methods.
108	D. Jagadeeshkumar	Dr. S. Rajan	Department of Microbiology Manonmaniam Sundaranar University Thirunelveli – 627 012 February 2018	Molecular characterization and assessment of MDRco in <i>E. coli</i> isolated from AGE.
109	R. Krishna Priya	Dr. K. Padmakumar	Department of Aquatic Biology and Fisheries University of Kerala Thiruvananthapuram May 2018	Diversity and Chemical Ecology of Endosymbionts in Marine Organisms.
110	Sonule Manju Devidas	Dr. R.M. Mulani	Department of Botany School of Life Sciences Swami Ramanand Teerth Marathwada University Nanded – 431 606 Maharashtra State September 2018	Algal Diversity of Yeldari Dam, Isolation, Identification and Biosynthesis of Silver Nanoparticles and Bioactivity of few species.

111	Shoba Gupta	Dr. Z.P.Bhathena	Department of Microbiology Bhavan's College Andheri (W) University of Mumbai Mumbai – 400 058 January 2018	Evaluation of Mannan Producing organisms for optimum production of Mannan oligosaccharide (MOS) as Prebiotic in <i>Catla catla</i>
112	**Mr. Muhammed Manzoor, A. P.	Dr. P.D.Rekha	Yenepoya Research Centre Yenepoya (Deemed to be University) Mangalore – 575 018 October 2018	Characterization of Urinary calculi and studies on the role of microbiome in Urolithiasis
113	R. Meenatchi	Dr Joseph Selvin	Dept. of Microbiology School of Life Sciences Pondicherry University Puducherry – 605 014 November 2018	Culture dependent and metagenomic analysis of coral microbiome with implications of Zooxanthellae clade and its interactions with bacteria to evolve thermal resistance in corals of Palk Bay: Insights into coral bleaching and sponge attack.
114	T. Rajavel	Dr. K. Pandima Devi	Department of Biotechnology Alagappa University, Karaikudi – 630 003 Biotechnology June 2018	Anticancer mechanism of β - sitosterol and Daucosterol (phytosterols from <i>Grewia tiliaefolia</i>) on human lung cancer cells: an <i>in vitro</i> study
115	Jinal Hardikkmar Naik	Dr. N. Ameresan	Department of Applied Sciences C.G. Bhakta Institute of Biotechnology, Bardoli, Surat 394 350 Science January 2019.	Exploitation of medicinal plant associated bacteria for the management of wilt causing plant pathogens: <i>in vitro</i> , <i>in silico</i> and <i>in vivo</i> analysis
116	R. Dhanasekar	Dr, R.Dhandapani	Dept. of Microbiology Periyar University Salem – 636 011 Microbiology - 2019	Role of probiotics in the control of bacterial and parasitic diseases and biodegradation of organic matter in Shrimp (<i>Penaeus vannamei</i>) culture.
117	**R.C. Sumangala	Dr. D. Ganesh	Department of Plant Biotechnology School of Biotechnology Madurai Kamaraj University Madurai – 625 021 Biotechnology - 2019	Population genetic structure of <i>Saraca asoca</i> : An endangered tree species in the Western Ghats, India: Approaches for conservation.
118	M. Vikramathithan	Dr, R.Dhandapani	Dept. of Microbiology Periyar University Salem – 636 011 Microbiology - 2019	Application of bacterial consortium as probiotics for the control of Blue-green algae and parasitic infection in <i>Penaeus vannamei</i> culture.
119	B. Sundarapandiyan	Dr. S. Jayalakshmi	Faculty of Marine Sciences CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biotechnology -2019	Bioprospecting of Marine Anaerobes.
120	K. Saranyadevi	Dr V Mohan	Institute of Forest Genetics and Tree Breeding Coimbatore – 641 002 Microbiology - 2019	Studies on salt tolerant beneficial microbes on growth improvement of tree

				seedlings under saline condition.
121	K. Sujitha	Dr. Joseph Selvin	Dept. of Microbiology School of Life Sciences Pondicherry University Puducherry – 605 014 Microbiology - 2019	Development of probiotic consortium to contain <i>Aliivibrio fischeri</i> SK11, a secondary Etiological agent of WSSV infected shrimp <i>Penaeus monodon</i> .
122	T. Swetha Thilak	Dr P.V. Madhusoodanan	KSCSTE – Malabar Botanical Garden and Institute for Plant Science University of Calicut Kozhikode – 673 014 Kerala Botany 2019	Molecular systematics of the Blue-green algae <i>Nostoc</i> spp. and <i>Anabaena</i> sp. (Nostocales) of Kerala.
123	R. Sreerekha	Dr. K. Padmakumar	Department of Aquatic Biology and Fisheries University of Kerala Thiruvananthapuram May 2019	Ecology of plankton assemblages along the coastal waters of Trivandrum and adjoining areas.
124	Shweta V. Deote	Dr. Arun B. Ingle	Dept. of Microbiology S.K. Porwal College Kamptee – 441 001, Nagpur (Swami Tukadoji Maharaj Nagpur University) September 2018	Phylogenetic analysis of bacterial isolates from chromium enriched soil.
125	*R. Selvaraj	Dr. I. Ganesh Moorthy	Dept. of Biotechnology Kamaraj College of Engineering & Technology Virudhunagar – 626 001 (Anna University) April 2019	Production of Biodiesel from used edible oils: Optimization and validation
127	G. P. Bhavana	Dr. Kumudini Belur Satyan	Dept. of Biotechnology, School of Sciences, JAIN (Deemed to be University). Bengaluru May 2020	Somatic embryogenesis as an efficient method for <i>in vitro</i> production of Anthurium
128	Indira Priyadarshani	Dr. Biswajit Rath	Department of Biotechnology North Orissa University Takatpur, Baripada, Odisha- 757003, June 2020 Life Sciences	Isolation and characterisation of bioactive compounds from cyanobacteria of Orissa coast
129	B.E. Dhanya	Dr. M. Chandra	Department of Postgraduate Studies and Research in Biosciences, Mangalore University, Mangalagangothri 574199 February 2020	Characterization and Applications of Exopolysaccharides isolated from Marine Bacteria - Someshwar Beach, Dakshina Kannada
130	S. Thamizhvanan	Dr. A.S. Sahul Hameed	Department of Zoology C. Abdul Hakeem College Melvisharam – 632 509 Vellore District Thiruvalluvar University December 2019	Studies on the resistance of <i>Macrobrachium rosenbergii</i> against White Spot Syndrome Virus
131	Ms. R. Thilagam	Dr. N. Hemalatha	Dept. of Microbiology Periyar University Salem – 636 011	Bioactive compounds from Actinobacteria with a potential to inhibit Rice Blast

			Microbiology - 2020	Fungus <i>Magnaporthe oryzae</i> (Anamorph <i>Pyricularia oryzae</i>)
132	Ms. Maneesha George	Dr. P.W. Ramteke	Department of Biological Sciences Sam Higginbottom University of Agriculture, Technology and Sciences Prayagraj - 211007 (U.P.), India	Morphological and Molecular Identification of Pathogenic Oomycete from Lucknow and its Biological Control
133	Ms. R. Rashmi	Dr. S. Sudhakar	Dept. of Biotechnology Manonmaniam Sundaranar University Tirunelveli - 627 012 August 2019 Bioinformatics - 2019	Next Generation Sequencing, Validation, Assembly and Annotation of Goat-Pathogenic <i>Bacillus</i> species.
134	Mr. K.A. Hashim	Dr. K. Padmakumar	Department of Aquatic Biology and Fisheries University of Kerala Thiruvananthapuram May 2019	Studies on Seaweed Resources of Selected Coastal Areas of Kerala
135	Mr. Saket Siddharth	Dr. V. Ravishankar Rai	Department of Studies in Microbiology University of Mysore Manasagangotri Mysore – 570 006 October 2020	Isolation, Characterization and Evaluation of Metabolites from Actinomycetes.
136	S. Santhosh Kumar	Dr. A.S. Sahul Hameed	Department of Zoology C. Abdul Hakeem College Melvisharam – 632 509 Vellore District Thiruvalluvar University May 2019	Studies on the emerging diseases of Shrimp encountered in Indian Shrimp culture system
137	Ms. Rabiya Sultana	Dr. M.C.Kalita & Dr. Mojibur R. Khan	Life Science Division Institute of Advanced Study in Science & Technology (IASST) Guwahati – 781 035, Assam November 2020	Development of an efficient Microbial Fuel Cell system as a source of alternative energy.
138	Mr. Soumya Ranjan Dash	Dr. Mrutyunjay Jens	Post Graduate Department of Botany Berhampur University Berhampur – 760 007 Odisha April 2021.	Algal Diversity of Freshwater Lakes of Odisha
139	Ms. C. Geethadevi	Dr. R. Rajendran	Department of Microbiology PSG College of Arts & Science (Bharathiar University Coimbatore – 641014 March 2021.	Enhanced microbial bioremediation of textile effluents with electrochemical pre-treatment followed by enzyme loaded nanofiber mediated process
140	Ms. T. Rajeshwari	Dr. C. Srinivas	Department of Microbiology & Biotechnology Bangalore University Bangalore 560 056 Microbiology August 2021	Isolation, Identification and Bioactive Potential of Endophytic Fungus from selected Aromatic Plants of Karnataka (Bhadra Wildlife Sanctuary)

141	Ms. Neha Srivastava	Prof. (Dr.) Rubina Lawrence	Department of Industrial Microbiology Sam Higginbottom University of Agriculture, Technology and Sciences Prayagraj - 211007 (U.P.), India 2021	Algal Diversity and Antimicrobial Activity of Potential Algal Strain of Bundelkhand Region of Uttar Pradesh, India
142	Ms. S. Sasirekha	Dr. R. Balagurunathan	Department of Microbiology Periyar University Salem – 636 011 April - 2022	Validation of Epigenetic Enzyme as cancer drug target and evaluation of Actinobacterial compound against cancer.
143	Ms. Sreemanti Banerjee	Dr. Ruma Pal	Department of Botany University of Calcutta Kolkata – 700 073 2021	Diversity of Cyanobacteria from West Bengal and Bioprospecting in relation to Iron Nano -particle synthesis and its application.
144	Ms. Tabassum Siddiqui	Dr. Tasneem Fatma	Department of Biosciences Faculty of Natural Sciences Jamia Millia Islamia (Central University) New Delhi – 110 025 2022	Biosynthesis and Characterization of titanium dioxide nanoparticles using cyanobacteria and evaluation of its bioactivity
145	Rahul Bose	Dr. Ruma Pal	Department of Botany University of Calcutta Kolkata – 700 073 2022	Diversity Study and Growth Performances of Diatom (Bacillariophyta) with Special Reference to Biotechnological Applications
146	Mr. V. Rajasekar	Dr. R. Saravanan	Biomedical Engineering Research Foundation Periyar University, Salem – 636 122.	A sero-study on human Leptospirosis of Salem district, Western blot standardization for the diagnosis, <i>L. autumnalis</i> protein damage by SDS-PAGE, 'SphH' gene damage by PCR due to extracts of <i>Andrographis paniculata</i> and <i>Evolvulus alsinoides</i> with their Cytoprotectivity of human RBC.
147	Mr. Animesh Sen	Dr. Jnanendra Rath	Applied Phycology Laboratory Department of Botany Visva-Bharati Santiniketan-731235	Characterization of bioactive secondary metabolites of marine cyanobacteria for novel anti-infectives
148	Mr. G. Rajesh Gandhi	Dr. Ch. Paramageetham	Dept. of Microbiology Sri Venkateswara University Tirupati – 517 502	Influence of physico-chemical parameters on lipid content of four marine planktonic Diatom species for biodiesel production
149	Ms. Subarna Saha	Dr. Jnanendra Rath	Applied Phycology Laboratory Department of Botany Visva-Bharati Santiniketan-731 235	Novel bioactive secondary metabolites of crust Cyanobacteria using chemical epigenetics approach to Trigger cryptic natural product biosynthesis for drug Development

150	Mr. R. R. Arun Renganathan	Dr. V. Ravishankar	Department of Studies in Microbiology University of Mysore Manasagangotri Mysore - 576 006	Studies on Endophytic Fungi from medicinal plants and their biological activity.
151	Mr. Ratul Bhattacharya	Dr. Jai Prakash Keshri	Department of Botany The University of Burdwan Burdwan – 713 104 West Bengal	Investigations on the locally available strains of BGA for pigments exploring its economic potentials.
152	Ms. T. J. Sushmitha	Dr. S. Karuthapandian	Department of Biotechnology Alagappa University, Karaikudi – 630 003 Biotechnology	Assessment of micro-and macro-fouling community composition in the vicinity of a coastal power plant and evaluation of their antagonistic potential.
153	Mr. Rahul Chandrakant Gaykhe	Dr. K. N. Gaikwad	PG Department of Botany, MVP'S KRTArt's BH Commerce and AM Science (KTHM) College, Nashik-422 002	Studies on diversity of Blue Green Algae (BGA) from Trimbakeshwar Tehsil of Nashik District
154	Ms. Shehzadi	Dr Nadeem Ahmed	Department of Biosciences Faculty of Life sciences Jamia Millia Islamia New Delhi-110025	Synthesis and Characterization of Cyanobacterial Gold Nanoparticles
155	Ms. Humaira Parveen	Dr. Syed Shams Yazdani	Microbial Engineering Group International Centre for Genetic Engineering and Biotechnology Jawaharlal Nehru University New Delhi – 110 067	Molecular dissection of Hydrocarbon production mechanism in cyanobacteria

45. Details of Students guided by Prof. N. Thajuddin and their present positions

Scholars	Name and Course Studied	Current Position	Contact Details
	Dr. A. Nagasathya (Ph.D)	Head, Dept. of Zoology, Govt. Arts College for Women, Pudukkottai – 622 001.	vishu11@hotmail.com 9443476541, 7904970177
	Dr. R. Shyam Kumar (Ph.D)	Professor, Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar – 625 701	kingshyam2003@gmail .com 8610058770
	Dr. V. Thiyagarajan (Ph.D)	Associate Professor & Head, Dept. of Microbiology, Govt. Arts College for Women, Salem 636 008	9790491541
	Dr. G. Muralitharan (Ph.D)	Associate Professor, Dept. of Microbiology, Bharathidasan University, Tiruchirappalli 620 024	gmuralitharan2002@ yahoo.co.in 9677627259
	Dr. A. Anandavalli (Ph.D)	Associate Researcher, Faculty of Dentistry, Kuwait University, Safat-13110, Kuwait	drannie@hsc.edu.kw +965 24986945
	Dr. H. Syed Jahangir (Ph.D)	Associate Professor, Department of Botany, Jamal Mohamed College Tiruchirappalli 620 020	syedsanu@yahoo.co.in 9443817623
	Dr. R. Nazeerullah (Ph.D)	Assistant Professor in Microbiology, College of Medicine, Gulf Medical University, Ajman, U.A.E	dr.nazeer@gmu.ac.ae +91 9003915471/ +9710503201047
	Dr. K. Moorthy (Ph.D)	Professor in Medical Microbiology, School of Pharmacy and Medical Laboratory Science, Institute of Health, Bule Hora University, Post Box No.: 144, Bule Hora, Ethiopia.	moormicro@gmail.c om abbaikannamoorthy@ gmail.com 9442545967
	Dr. M. Satheesh Kumar (Ph.D)	Assistant Operation Manager, Badr Al Samaa Hospital P. O. Box 443, P. C. 112 Ruwi, Muscat Sultanate of Oman	shatheeshkumar.m@ gmail.com
	Dr. N. Amaresan, (Ph.D)	Assistant Professor, C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Surat 394 350, Gujarat	na.amersen@gmail.co m 9737598465




	Dr. Mohd. Rasheeduddin (Ph.D)	Centre for Biotechnology & Bioinformatics, Jawaharlal Nehru Institute of Advanced Studies, Secunderabad – 500 003	hmzrshd@yahoo.co.in 8374911409
	Dr. D. Mubarak Ali (Ph.D)	Assistant Professor, School of Life Sciences, B. S. Abdur Rahman Crescent Institute of Science and Technology Chennai – 600 048	mubinano@gmail.com 9943535774
	Dr. V. Thennarasu (Ph.D)	Senior Manager, GV Group of Companies, Ram Nagar, Madipakkam, Chennai – 600091	thennarasumnr@gmail.com 94432 66664
	Dr. R. Praveen Kumar (Ph.D)	Assistant Professor Biotechnology and Bioproduction Department of Science and Environment Roskilde University Post Box 260, 4000 Roskilde, Denmark	praveen@ruc.dk +45 91 98 17 85
	Dr. N. Anandakumar (Ph.D)	Assistant Professor (on Contract) Department of Education, The Gandhigram Rural Institute (Deemed to be University) Gandhigram - 624 302 Dindigul District	drnanandakumar@gmail.com 94431 20955
	Dr. A. Ilavarasi (Ph.D)	Managing Director MOTT Bio Research Lab 16, Quide Milleth Street Sozhapuram, Ariyankuppam Pudhucherry – 605007 GSTIN: 34ACXP11901M1ZC	ilavarasiasokaraja@gmail.com 94864 16938
	Dr. D. Vijayan (Ph.D)	National Post-Doctoral Fellow CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram- 695019, Kerala	vijayan.mibi@gmail.com 9865550200
	Dr. A. Parveez Ahamed (Ph.D)	Visiting Scientist, Department of Comprehensive Dentistry, University of Texas Health Science Center at San Antonio 7703 Floyd Curl Dr, San Antonio, TX 78229, USA	parveez1987@gmail.com +1 (210) 619 9094

	Dr. N. Reehana (Ph.D)	Assistant Professor, Department of Microbiology, Jamal Mohamed College (Autonomous) Tiruchirappalli – 620 020	nreehana@gmail.com 9688367970
	Dr. E. Baldev (Ph.D)	Research Associate Research and Development Chennai Petroleum Corporation LTD. Manali, Chennai – 600 068	ballu.pnr@gmail.com 9894403113
	Dr. F. Lewis Oscar (Ph.D)	Post-Doctoral Research Associate Division of Infectious Diseases, Alpert Medical School of Brown University, Rhode Island, USA	kepler619@gmail.com lewis_oscar_felix_raj_lu cas@brown.edu 9600402197
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