



International Conference on Smart Materials for Green Energy & Environmental Sustainability (SMaGEES – 2024)

11th & 12th December 2024

Call for Papers

PHOTOVOLTAICS

Anti-reflection layer

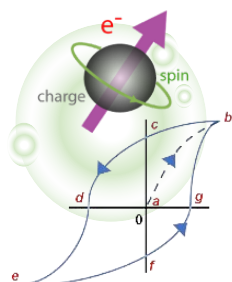
**MATERIALS SCIENCE
PHOTOCATALYSIS**

UV / VISIBLE light
Catalyst

Pollutants → Degradation

**SEMICONDUCTORS
OPTOELECTRONICS
SENSORS**

p-type n-type
Light



**MAGNETIC MATERIALS
MEMORY STORAGE
MULTIFERROICS**

QUANTUM DOTS

2nm 6nm

**POLYMER COMPOSITES
DIELECTRICS**

**ENERGY STORAGE
SUPERCAPACITORS
BATTERIES
BIOMATERIALS**

Collector Anode Electrolyte Anode Collector

BIOFUEL

CO₂ Capture

Organized by
School of Physical and Chemical Sciences
 B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai-600048
 Tamil Nadu, India.

<https://crescent.education/smagees2024/>





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About the Institute

B.S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST) is a 40 year old renowned quality leadership Higher Education Institution located at the greenest spot of Chennai near Tambaram. In addition to various academic programmes, the Institute offers a wide range of research opportunities through **12 schools** and **23 departments** with promising quality and recognized with the **h-index 84** and overall **citations 43000+**. The Institute encourages both fundamental and application oriented research in thrust areas for the benefit of our country and society.

About the School of Physical and Chemical Sciences

School of Physical and Chemical Sciences comprises of two departments: Department of Physics and Chemistry. All the faculty members in both the departments hold profound academic and research experience through individual and collaborative research work supported by various national and international level funded projects. The school offers **both M.Sc and PhD programmes** facilitated with high end sophisticated equipment for research in smart materials towards the energy, environment and sustainability.

Major research facilities available in the School

- Q Switched Nd:YAG laser
- Vacuum coating unit
- Impedance Analyzer
- PE loop tracer
- Multipurpose Lab Station
- Thermogravimetric analyzer
- High-Performance Liquid Chromatography
- Electrochemical Analyzer
- DRS UV-Visible Spectrophotometer
- FluoroMax Fluorimeter
- Photoreactor
- FT-Infrared Spectrometer
- Gas Chromatography
- LCR & Polarimeter

Original research articles are invited for presentation in any of the following topics (but not limited to):

- Advancement in nanoscience and nanomaterials
- Semiconductors and thin films
- Biomaterials
- Magnetic and spintronic materials
- Photovoltaic materials
- Optoelectronic materials & devices
- Polymer composites
- Multiferroics
- Materials for corrosion protection
- Waste water treatment
- Photocatalysis
- Dielectric materials
- Quantum dots & applications
- Computational materials science
- Sensors
- Hydrogen and fuel Cells
- Energy storage materials
- Catalytic functionalization

CHIEF PATRONS

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Buhari

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Dr. N. Hajara Beevi

Professor & Head (Chemistry)

COORDINATORS

Dr. M. Mohamed Sheik

Sirajuddeen

Associate Professor (Physics)

Dr. M. Asha Jhonsi

Associate Professor (Chemistry)

Registration fees

Students (U.G / P.G)	Rs. 1000/-
Research scholars	Rs. 1500/-
Faculty members / Scientists	Rs. 2000/-
Industry Participants	Rs. 3000/-
Delegates Outside India	USD 40

Note:

- Registration fees includes Conference kit, lunch and refreshments.
- Accommodation will be arranged on additional payment with prior request.



B.S. Abdur Rahman™
Crescent
 Institute of Science & Technology
 Deemed to be University u/s 3 of the UGC Act, 1956



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International Advisory Committee

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 Dr. Sivakumar Vaidyanathan, IIT Hyderabad, Telangana.
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 Dr. M Kathiresan, CSIR-CECRI, Karaikudi.
 Dr. Srinivasan Anandan, ARCI, Hyderabad.
 Dr. S. Easwaramoorthi, CSIR CLRI, Chennai.

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 Dr. S. Sathik Basha, Professor (Physics)
 Dr. Revathi Purushothaman, Professor (Chemistry)

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 Dr. T. Kamalesh, Assistant Professor
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 Dr. R Rizwana, Assistant Professor
 Dr. T. Anusuya, Assistant Professor

Who can participate?

- Faculty Researchers, Research scholars, UG / PG Students from reputed Institutions.
- Scientists from R & D labs.
- Working Professionals from Industry.

Proceedings & Full-length papers

- ✓ The shortlisted abstracts will be published as **conference proceedings with ISBN**.
- ✓ **Best oral and Poster** presentations will be awarded.
- ✓ The selected peer-reviewed **full-length papers** will be published in **any one** of the following conference proceedings.



AIP Conference Proceedings

materialstoday: IOP Conference Series
 PROCEEDINGS Materials Science and Engineering

Important Dates

Abstract submission	10 th Nov. 2024
Notification of acceptance	20 th Nov. 2024
Registration and Payment of Fees	25 th Nov. 2024
Full-length article submission	30 th Nov. 2024

[Registration link](#)

SMaGEES 2024



Contact

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<https://crescent.education/smagees2024>



2023
 Engg: 101-150
 Mgmt: 101-125
 Univ: 151-200
THE IMPACT RANKINGS
 SDG 4: 37 | SDG 6: 29
 SDG 7: 13 | SDG 17: 101-200
 Overall: 101-300

India: 58 | Engg: 1001+
 Asia: 601-600
 Overall: 1201-1500
QS WORLD UNIVERSITY RANKINGS
 QS Asia University Ranking 2024:
 Asia: 801+
 Southern Asia: 258



Diamond

School of Physical and Chemical Sciences

Department of Physics

Department of Chemistry



- ❑ **Programmes offered** : M.Sc (Physics) & Ph.D.
- ❑ Faculty members with Ph.D. degree and Post-doctoral experience

Research status (as on August 2024)

- ❑ Research Publications : 590+
- ❑ h-index : 50
- ❑ Citations : 10,200+
- ❑ Funded Research Projects : 157.90 lakhs

- ❑ **Programmes offered** : M.Sc (Chemistry) & Ph.D.
- ❑ Faculty members with Ph.D. degree and Post-doctoral / Industrial experience

Research status (as on August 2024)

- ❑ Research Publications : 400+
- ❑ h-index : 32
- ❑ Citations : 4600+
- ❑ Funded Research Projects : 290.12 lakhs

