



B.S. Abdur Rahman™

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National Hands-on workshop on Isolation, Identification and Molecular Characterization of food-borne bacterial Pathogens from Food Samples

Organized by

School of Life Sciences

**B. S. Abdur Rahman Crescent Institute of Science and
Technology, Chennai**

November 04 and 05, 2024

Convenor

Dr. S. Hemalatha

Professor and Dean
School of Life Sciences

Organizing Team

Dr. U. Venkateswara Prasad,

Assistant Professor

Dr. A. Nusrathunissa

Assistant Professor

Registration Fee: Rs.750/-

Account Details for Registration

Bank : Indian Overseas Bank, (IOB)
Acc. Name : Dean, School of Life Sciences
Ac. No. : 165701000019853
IFSC code : IOBA0001657
Branch : Vandalur, Chennai



Scan to register

<https://forms.gle/uWstkJhLMEZQyCGWA>

About the Workshop

This workshop aims to provide participants with comprehensive training in the isolation, identification and molecular characterization of pathogenic bacteria isolated from food samples. Participants will explore advanced techniques for phenotypic characterization of pathogenic strains of *E. coli*, focusing on their virulence factors, antimicrobial resistance profiles and genetic diversity. Hands-on sessions will cover the isolation of *E. coli* from food matrices, DNA extraction and amplification of genes encoding virulence. This workshop enables participants to effectively use molecular methods for the rapid and accurate detection of pathogenic *E. coli* in food and environmental samples.

Workshop objectives

- Sample Collection, Processing and Pathogen Isolation
- Biochemical Characterization of Pathogens
- Antibiotic susceptibility testing
- Isolation of genomic and plasmid DNA from bacteria
- Detection of putative virulence genes by PCR amplification
- Separation of PCR amplicon by agarose gel electrophoresis and result analysis by gel documentation

Target audience

Under graduate and postgraduate students, PhD scholars, and Faculty members can participate in two days Hands-on workshop

Certificate will be provided to all the participants.

For any queries :

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