



46th Annual Conference of Indian Association of Medical Microbiologists



Atal Bihari Vajpayee Scientific Convention Center, Lucknow

Pre Conference CME cum Workshop

**From Sample to Report: Streamlining
microbial diagnosis with MALDI-TOF MS and automated ID testing**

Objectives of the workshop: It aims to familiarize participants with the principles and methodology of MALDI-TOF MS, highlighting the benefits of automated identification testing.

Current relevance of the topic: MALDI-TOF MS coupled with automated ID testing, offers a faster and more reliable approach compared to traditional identification methods.

What will you gain from attending the workshop? The workshop provides comprehensive understanding of the principles, techniques, and applications of MALDI-TOF MS and automated identification testing, enabling participants to implement these technologies effectively. Practical exercises and case studies offer hands-on experience, enhancing proficiency in sample preparation, spectral analysis, and interpretation. Workflow optimization strategies shared in the workshop improve operational efficiency, reducing turnaround times and increasing productivity in the laboratory.

Who is the target population?

- Microbiologists working in clinical, research, or academic settings
- Researchers, Medical laboratory scientists, technicians, and technologists focusing on microbial identification, epidemiology, antimicrobial resistance, and infectious diseases
- Healthcare professionals involved in patient care, such as infectious disease specialists and physicians & Professionals working in the medical device industry

Short description of expertise of key resource persons: Dr. Sheetal Verma, Additional Professor, Department of Microbiology, KGMU and Dr. Anupam Das, Professor, RMLIMS, Lucknow have significant practical experience in utilizing MALDI-TOF MS and automated ID testing in real-world laboratory settings.

Agenda

Topic/ Activity	Speaker/ Moderator of the activity	Duration	
Registration		8:00-9:00 AM	
Pre-test Session		9:00-9:15 AM	
Welcome & Introduction of the Workshop	Dr. Sheetal Verma, KGMU	9:15-9:30 AM	
Importance of Automation in Diagnostic Microbiology	Dr. Vikas Manchanda, MAMC	9:30-10:00 AM	
MALDI-TOF technology and application in Clinical Microbiology Lab	Dr. Sheetal Verma, KGMU Dr. Anupam Das, RMLIMS	10:00-10:30 AM	
Q&A Session (Discussions)		10:30-10:45 AM	
BREAK (TEA)		10:45-11:00	
Clinical Impact of MALDI TOF Technology: A User experience	Dr. Nandini Sethuraman Dr. Akanksha Gupta, RMLIMS	11:00-11:30 AM	
Technology in AST: The present & future	Dr Devjani DE	11:30-12:00 PM	
Evolving Role of DATA / IT solutions in Surveillance & AMS program	Dr Devjani DE	12:00-12:30 PM	
BREAK (Lunch)		12:30-1:00 PM	
Hands on Sessions			
VITEK® - MS (MALDI-TOF System)	VITEK®-2 (Automated ID/AST System)	BACTALERT® (Automated Blood Culture System)	1:00-4:30 P.M.
Post Test Session & Feedback Valedictory			4:30-5:00 P.M.

Workshop Coordinators:

Dr. Sheetal Verma
Additional Professor
Department of Microbiology
King George's Medical University
Lucknow, U.P., India
Email: dr.sheetal2001@gmail.com
Mob: 9936269516

Dr. Anupam Das
Professor
Department of Microbiology
Dr. Ram Manohar Lohia Institute of
Medical Sciences
Lucknow, U.P., India
Email: dranupam06@yahoo.co.in
Mob: 9919188814