



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**  
**TAMAKA, KOLAR – 563 103**  
**Department of Microbiology**  
**Event Report**



**Name of Event:** 2<sup>nd</sup> Quarterly IAMM-KC CME on Unmasking Sepsis: From Early Clues to Expert Care

**Name of Department:** Microbiology

**Date of Event:** 10.10.2025

Sl. No.	Event Report
1.	<b>Level of Event</b> – Institutional; Faculty of Medicine; State level CME
2.	<b>Background / Introduction</b> <p>Sepsis, a life-threatening condition caused by a dysregulated response to infection, remains a significant global health challenge, especially in critically ill patients. Despite advancements in medical science, sepsis continues to be a leading cause of morbidity and mortality. The Department of Microbiology was pleased to organize the Continuing Medical Education (CME) session titled “<b>Unmasking Sepsis: From Early Clues to Expert Care.</b>”</p> <p>The session aimed to:</p> <ul style="list-style-type: none"><li>• Enhance awareness of sepsis in healthcare settings.</li><li>• Improve diagnostic skills and knowledge of early sepsis recognition.</li><li>• Update healthcare professionals on evidence-based strategies for effective management.</li><li>• The session brought together leading experts and clinicians to discuss innovative approaches to diagnosis and treatment, and to address gaps in current clinical practice, ultimately contributing to better patient outcomes and saving lives.</li></ul>
3.	<b>Venue:</b> Silver Jubilee Auditorium, SDUAHER
4.	<b>Sponsors:</b> SDUAHER,
5.	<b>Inauguration:</b> was presided by <ul style="list-style-type: none"><li>• Dr. Parimala. S, Professor and Head of the Department of Microbiology;</li><li>• Dr. S. Muralidharan, Professor of Microbiology;</li><li>• Dr. Prabhakar K, Principal, SDUMC;</li><li>• Dr. B Vengamma, Hon’ble Vice Chancellor, SDUAHER</li><li>• Dr. Krishnappa J, Medical Superintendent, RLJ Hospital &amp; RC</li><li>• Dr. Arvind Natarajan, Professor of Microbiology and Dean AHS</li></ul>
6.	<b>Speakers:</b> <ol style="list-style-type: none"><li>1. <b>Dr. Carol Shayne D’Silva:</b> Profesor in Critical Care Medicine, St.Johns Medical College, Bengaluru.</li><li>2. <b>Dr. Jayalakshmi J:</b> Professor &amp; HOD, Microbiology. KMCH Institute of Health Sciences &amp; Research, Coimbatore.</li><li>3. <b>Dr. Sunil Karanth:</b> Chairman, HOD &amp; Senior Intensivist Critical Care Medicine, Manipal Hospital, Bengaluru</li><li>4. <b>Dr. Arun Kaushik R:</b> Medical Affairs Manager, BioMérieux</li></ol>

### Panel Discussion Speakers

5. **Dr. Arvind Natarajan:** Professor in Microbiology, SDUMC, and Dean AHS
6. **Dr. Sandeep T :** Medical Microbiologist and ID Physician, BGS Medical College - Bengaluru
7. **Dr. Ravikumar:** Senior Scientist. Bigtec Private Limited, Bengaluru
8. **Dr. Anitha D:** Professor in Microbiology, SDUMC, Kolar
9. **Dr Zeenath Carina:** Chief Nursing officer, RL Jalappa Hospital

#### Chairperson

Dr. Parimala. S, Professor and Head, Department of Microbiology

**Organizing Secretary:** Dr. S. Muralidharan, Professor in Microbiology

**Co-Organising Secretary :** Dr. Rahil Pasha S A

**Members of Organising committee:** Dr. Arvind Natarajan, Dr. AnithaD, Dr. Ashmita Banik, Dr.Sulaiman Sharieff, Ms. Repati Gowri and Mr. Sai Sravan Kumar.

**Postgraduates:** Dr Munmun Mutha, Dr. R J Keerthana, Dr. Nivedita Priyadarshini, Dr. Hari Prasanth, Dr. Praveen E and Dr. Arvind Singh Aswal.

7. **Participants & Delegates** – 71 out of the 103 registered Delegate members were present in person, 1 Guest speaker participated online. Attendance sheet shared as Annexure 1. Students of Final year MBBS were also present

#### 8 **Brief lecture notes and discussion**

Dr. Carol Shayne initiated the first session by defining the concept of Sepsis, and its various categorizations. She enlightened the audience on Sequential Organ Failure Assessment (SOFA) score, Systemic Inflammatory Response syndrome (SIRS), and the Breakpoint to MIC Quotient (BMQ) in the context of sepsis, to predict the therapeutic efficacy of an antibiotic for severe infection like sepsis.

Dr. Jayalakshmi J described the pathophysiology of sepsis, and enlightened the audience about the sample collection procedures for Blood culture, with special emphasis on antisepsis, blood volume, use of automation, interpretation of flaggings, and significance of biomarkers.

Dr. Sunil Karanth brought to light the clinical perspectives in diagnosing and management of Sepsis. He emphasized the need for site specific cultures, therapeutic drug monitoring and also shed light on advanced technologies such as Nanotherapies for sepsis by regulating inflammation and RONS (reactive oxygen and nitrogen species)

Dr. Arun Kaushik presented the comparative analysis of Conventional methods with that of automated systems for Early Identification of organism, and its antibiotic susceptibility patterns. He then elaborated on the extended Syndromic testing methods for various systems, like respiratory panel covering a plethora of viruses, and atypical bacterial pathogens.

	<p>Dr. Arvind Natarajan initiated the panel discussion, by categorizing the sessions into clinical discussion, current diagnostics, and advances in technology in the pipeline. The live interaction of the panelists emphasized the need for strong clinical suspicion, better communication with clinicians and diagnosticians, significance of site specific cultures, correlation with biomarkers and lastly appropriate bundle care, and other Infection Control measures by the Nursing staff.</p> <p>The scientific session was followed by Oral presentation by faculty and postgraduates of various colleges. Topics related to antimicrobial resistance, TB diagnosis, and rapid molecular diagnostics were presented.</p> <p>Dr. Livin J Tessa bagged the First Prize, while Dr. Mamtha V secured the second prize in Oral presentation.</p>
9	<p><b>Valedictory</b> Dr. Parimala delivered the Vote of Thanks. The event was concluded by thanking all the administrators, resource faculty, supporting staff and participants.</p>
10	<p><b>Highlights of Events including Photos :</b></p> <p>Photos have been shared separately, as jpeg format, and as Annexure 2</p>

**Prepared by**



Dr. Rahil Pasha  
Co-Organizing Secretary

**Approved by**



(HOD Microbiology)  
PROFESSOR & HOD  
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