



**Indian Association of Preventive and Social Medicine-
Karnataka State Chapter (IAPSM-KSC) &
Indian Medical Association (IMA),
Bangalore Branch**

**SYMPOSIUM ON ANTIMICROBIAL RESISTANCE(AMR):
RESIST THE RESISTANCE**

Report Submitted to: Indian Association of Preventive and Social Medicine (IAPSM)

Organizing Institution

Indian Association of Preventive and Social Medicine – Karnataka State Chapter (IAPSM–KSC) In collaboration with Indian Medical Association (IMA), Bangalore Branch

Sponsored by

Karnataka Milk Federation (KMF)
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Event Overview

SYMPOSIUM ON ANTIMICROBIAL RESISTANCE (AMR) - RESIST THE RESISTANCE

Was organized to address the growing public health threat posed by antimicrobial resistance through a **cross-sectoral and One Health approach**. The symposium brought together experts from **veterinary sciences, clinical microbiology, public health**, fostering interdisciplinary learning and dialogue especially for specialists, general practitioners and researchers in Bengaluru.

The event emphasized evidence-based strategies, antimicrobial stewardship, surveillance, and translational research to combat AMR at human–animal–environment interfaces.

Event Dates and Mode of Conduct

Venue: IMA House, Near IMA Circle, Alur Venkata Rao Road, Chamrajpet, Bengaluru

Date: 11 December 2025

Time: 6:00 PM onwards

Objectives

1. To enhance awareness and understanding of the burden and drivers of antimicrobial resistance.
2. To promote rational antimicrobial use and antimicrobial stewardship practices.
3. To highlight the One Health approach in AMR surveillance and control.
4. To facilitate knowledge exchange between microbiologists, veterinarians, and general practitioners of Bengaluru.

Target Audience

- General Medical practitioners
- Microbiologists
- Public health specialists
- Veterinary professionals
- Postgraduate students and researchers

Program Highlights

- Expert lectures by nationally and internationally recognized speakers
- Emphasis on **AMR surveillance, antimicrobial stewardship, and translational research**
- Integration of **human health, animal health, and public health perspectives**
- Interactive discussions with clinicians, academicians, and public health professionals

BRIEF INTRODUCTION OF SPEAKERS

1ST SPEAKER

<p>Name: Dr. Sneha K Chunchanur</p> <p>Designation: Faculty</p> <p>Affiliation: Bangalore Medical College & Research Institute</p>	
<p>MBBS: JN Medical College, Belagavi MD (Microbiology): KIMS, Hubli</p>	
<p>Areas of Interest:</p> <ul style="list-style-type: none">• One health, AMR/ Antimicrobial stewardship, Sexually transmitted infections, Zoonotic diseases/ Rickettsial infections, Cholera, Urinary tract infections, Aptamers, miRNAs, Rapid/ POCT assays.• Research (Extramural Projects – DHR-ICMR, RGUHS-IISc, Short ICMR Projects. MD- Thesis,)• Hospital Infection Control - HICC, Victoria Hospital Involved in NABH/ Kayakalpa/ NQAS• Nodal officer/ Faculty Co-ordinator - AMR, One health/ Zoonosis, STI/RTI, VPD programs - NCDC, WHO• Quality assurance and quality management - as Quality Manager, involved in NABL Accreditation of Laboratory, Microbiology, Victoria Hospital, BMCRI	
<p>Achievements:</p> <ul style="list-style-type: none">• 1ST Rank to University in MD, Microbiology.• Teacher's day award by Indian Medical Association, Bangalore 2024.• Best Junior Paper Prize (Oral) at Indian Association of Medical Microbiologist – Karnataka Chapter -2003, 2019 & 2020.• PI/CoPI for research projects funded by ICMR, RGUHS, DBT, DHR etc• Invited panelist for AMR Research Conference-2024, NCBS & Expert Consultation for zoonotic diseases, NCDC• Guest Speaker at state/ national CME/ workshops/ conferences• Certified NABH assessor and Internal Auditor for NABL.• Publications in national, international journals, text books & Reviewer for national/ international journals,• Invited speaker on TV DD Chandana, All India Radio on AMR, Biomedical waste management• Public awareness write ups on AMR/ infectious diseases in news papers, weekly magazines (Deccan Herald, Yojana etc)	

BREIF DETAILS OF TALK:-

The talk aligned with **World Antimicrobial Awareness Week** and emphasized a **One Health, multidisciplinary approach** involving clinicians and microbiologists. Key areas discussed included drivers of AMR, the importance of **diagnostic and antimicrobial stewardship**, rational use of diagnostics such as point-of-care tests and cultures, and strengthening infection prevention and control practices. The role of antibiograms, institutional antibiotic policies, and technology-driven stewardship programs in guiding

empirical therapy was highlighted. The session concluded with a strong call for collective responsibility and evidence-based practices to curb AMR and improve patient outcomes

2ND SPEAKER

Dr. Shivasharanappa Nayakvadi.



Senior Scientist (ARS)

**ICAR – National Institute of
Veterinary Epidemiology and Disease
Informatics (ICAR-NIVEDI), Bengaluru**

Qualifications:

BVSc & AH | MVSc | PhD

Fulbright Post-Doctoral Fellow, North Carolina State University, USA

Area of Expertise:

- Antimicrobial Resistance (AMR)
- CRISPR-Cas applications in AMR
- One Health, zoonoses, AMR surveillance and AMU quantification

Professional Highlights:

- Over **15 years of experience** in veterinary pathology and epidemiology
- Head, **Livestock AMR Laboratory**
- Co-Incharge, **WOAH Reference Laboratory for PPR**
- NABL Assessor and Mentor
- Faculty for FAO and NCDC-FETP programs
- Member, **One Health & AMR BEST Cluster**
- **65+ scientific publications**
- Major contributor to national and global AMR programs

BRIEF DETAILS OF TALK:-

The symposium emphasized a One Health perspective on antimicrobial resistance (AMR), with focused discussions on the WHO Tricycle protocol and ICMR–ICAR collaborative efforts that promote integrated surveillance of resistant organisms across human, animal and environmental sectors. Experts highlighted the role of standardized monitoring of ESBL-producing *E. coli* in understanding transmission dynamics and strengthening antimicrobial stewardship. The sessions also addressed subclinical mastitis in food-producing animals, commonly caused by *Staphylococcus aureus*, coagulase-

negative staphylococci, streptococci and coliforms, underscoring its importance as a hidden reservoir of AMR and the need for coordinated prevention and control strategies.

3rd SPEAKER



DR. SHWETHA JINNAHALLI VENUGOPAL

**CLINICAL MICROBIOLOGIST
BANGALORE MEDICAL COLLEGE AND RESEARCH
INSTITUTE**

Qualifications:

MBBS – MYSORE MEDICAL COLLEGE

MD (MICROBIOLOGY) – ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NEW DELHI

Areas of Interest

- AMR,/ Antimicrobial Stewardship, Sexually transmitted infections, Urinary tract Infections, Rickettsial Infections, Aptamers, micro-RNAs, Rapid-PCOT, Viral Infections
- Research – PI and Co-PI for Extramural Projects: DHR-ICMR, RGUHS, IISc
- Hospital Infection Control- Infection Control Officer for Victoria Hospital
- Principal Investigator for National Vaccine Preventable Diseases, WHO India
- Co-Principal investigator – State Level Viral Disease and Research Laboratory
- National Core committee member for “Identifying Road Map for Prevention and Control of Influenza and Other Respiratory Viruses in India” funded by CDC
- Organizing Secretary for DHR-ICMR funded “Workshop on Current Clinical and Laboratory Perspectives of STI/RTI in India”
- Co-PI for Implementation of a Technology driven Antimicrobial Stewardship Program Steered by Clinicians to Improve Antimicrobial Prescribing Protocol of a Multi-Centre Stepped Wedge Trial
- Gold Medal in MBBS
- Recipient of Gold Medal at MICROCON – KARNATAKA 2019
- KAYAKALPA AWARD as Infection Control Officer, Victoria Hospital
- NABH ASSESSOR and NABL INTERNAL AUDITOR
- RESOURCE PERSON/ SPEAKER in NATIONAL and STATE WORKSHOP/ CONFERENCES
- 40 Publications in International Journals
- Reviewer to International

- Given Health Awareness Programs in ALL INDIA RADIO

BREIF DETAILS OF TALK:-

The symposium presentation titled “**A–Z of AMR: Unwrapped for Clinicians in a Snapshot**” was an interactive session using wayground app which was delivered by **Dr. Shwetha JV**, Clinical Microbiologist, Bangalore Medical College and Research Institute, and provided a concise yet comprehensive overview of antimicrobial resistance for clinicians. Using an A–Z framework, the talk highlighted the critical roles of clinicians, microbiologists, hospitals, public health systems, and the community in combating AMR, with emphasis on rational antibiotic prescribing, AWaRe classification, antibiograms, diagnostic and antimicrobial stewardship, infection prevention and control, and regulatory measures. The session underscored evidence-based practices such as culture-guided therapy, prescription audits, surveillance, One Health integration, and public awareness as essential strategies to prevent the emergence and spread of resistant pathogens and to promote responsible antimicrobial use across healthcare and community settings.

Outcome and Impact

- Improved understanding of AMR as a **multidimensional public health challenge**
- Reinforced importance of **judicious antimicrobial prescribing**
- Strengthened intersectoral collaboration under the **One Health framework**
- Positive feedback from participants on relevance, scientific depth, and applicability of the sessions.

Conclusion

- The symposium “**Resist the Resistance**” successfully provided a high-quality academic platform to deliberate on antimicrobial resistance and its implications for clinical practice, public health, and veterinary sciences. The event underscored the urgent need for coordinated action, sustained surveillance, and stewardship-led interventions.
IAPSM–KSC and IMA reaffirm their commitment to continued advocacy, education, and policy engagement in the fight against AMR.

E – BANNER

Indian Association of Preventive and Social Medicine- Karnataka State Chapter(IAPSM-KSC)



& Indian Medical Association (IMA), Bangalore Branch welcomes you for

SYMPOSIUM ON ANTIMICROBIAL RESISTANCE(AMR) RESIST THE RESISTANCE

Date : 11-12-2025
Time : 6:00 PM
Venue : IMA HOUSE, near IMA
CIRCLE,
Alur Venkata Rao Road,
Chamrajpet

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PHOTOGRAPHS OF SYMPOSIUM











