



# "National Scientific Conference on Emerging Trends in Multidisciplinary Research"

(NASCENT MR 2025)

Dates: 10<sup>th</sup> & 11<sup>th</sup> December, 2025

## Program Schedule

10 <sup>th</sup> December, 2025		
Inaugural Session		
Time	Speaker	Topic
09:00 AM	Registration	
09:30 AM	Inauguration	
10:00 AM	<b>Keynote address: Prof. P. Balaram</b> Padma Bhushan Awardee, Shanti Swarup Bhatnagar Prize Awardee, Former Director, IISc, Senior Visiting Professor, NCBS, TIFR, Bangalore	<b>Topic:</b> Multidisciplinary Science: Lessons From Origins of Life Research
10:30 AM	Tea	
Technical Sessions		
11:00 AM	<b>Prof. Kavita Vasudevan</b> HoD, Community Medicine Indira Gandhi Medical College & Research Institute Puducherry	Artificial Intelligence in Research
11:30 AM	<b>Dr. S. Gouthaman</b> HoD & Senior Consultant, Surgical Oncologist, Apollo Hospitals, Chennai	Robotic Surgery: Challenges & Solutions
12:00 PM	<b>Dr. Rupsa Bhattacharjee</b> Assistant Professor Principal Investigator : Computational Biomedical Imaging and Health Informatics Lab. Department of Medical Sciences & Technology, Indian Institute of Technology Madras, Chennai	Application of Artificial Intelligence in Musculoskeletal Imaging and Degenerative Diseases
12:30 PM	<b>Dr. P. Ramkumar</b> NGSM Institute of Pharmaceutical sciences, NITTE University, Mangalore	Artificial Intelligence in Targeted Drug Delivery
01:00 PM	Lunch	
01:45 PM	<b>Prof. Raghavendra Sai V. V.</b> Department of Biomedical Engineering, Indian Institute of Technology Madras, Chennai	U-shaped Fiber optic Sensor Platform - A Versatile Tool for Detection of Analytes - Ions to Pathogens
02:15 PM	<b>Dr. Murugaiyan Amrithalingam</b> Associate Professor, Metallurgy & Material Science Engineering Department, Indian Institute of Technology Madras, Chennai	Additive manufacturing of patient specific maxillofacial and cranial implants
02:45 PM	<b>Dr. C. S. Mujeebuddin</b> MD & CEO, Clinosol Research Pvt. Ltd, Hyderabad	Artificial Intelligence in Clinical Research
03:15 PM	Tea	
03:45 PM	<b>Dr. Anurag Kumar</b> Founder, Prex Studio, Bangalore	Generative Artificial Intelligence for Mental Health
04:15 PM	<b>Dr. Vikas Jain</b> Orthopedic Surgeon, Bonetech, CEO & Founder, Aarogyam 3D Design 4 Defect & Deformity, Ahmedabad.	Translational research in Orthopedic Implants : Innovation by 3D printing.
04:45 PM	<b>Prof. B. Surendiran</b> Computer Science & Engineering Department, National Institute of Technology, Karaikal	Quantum Block chain for Healthcare
05:15 PM	End of Day 1 Sessions	

**11<sup>th</sup> December, 2025**

Time	Speaker	Topic
09:30 AM	<b>Dr. Issac Kirubakaran</b> Kansas State University & Medical Centre, Kansas, USA	<b>Circadian clock based therapeutics in chronic pulmonary diseases</b>
10:00 AM	<b>Prof. Chiranjib Bhattacharya</b> CSA, Indian Institute of Science, Bangalore	<b>From Instability to Robustness: Reliable LVLM Explanations in Chest X-Ray Analysis</b>
10:30 AM	<b>Prof. Malathy Batumalay</b> INTI International University, Malaysia	<b>Machine Learning algorithms for surface plasmon resonance for Bio-Detection applications.</b>
11:00 AM	<b>Tea</b>	
11:30 AM	<b>Prof. Sathish Sundar Dhilip Kumar</b> Laser Research Centre, Johannesburg, South Africa	<b>Advancing Photobiomodulation Therapy with Nanotechnology in Diabetic Wound Healing.</b>
12:00 PM	<b>Prof. U. M. Dhanalekshmi</b> National University of Science and Technology, Oman	<b>Nano Medicine &amp; Nano formulations</b>
12:30 PM	<b>Prof. N. Jayaraman</b> Professor and Chairperson Department of Organic Chemistry Indian Institute of Science, Bangalore	<b>Glycolipid Nanomaterial Antigens as Site-Selective Immunotherapy Agents</b>
01:00 PM	<b>Lunch</b>	
01:45 PM	<b>Dr. N. Ayyadurai</b> Principal, Scientist, CLRI, CSIR, Chennai	<b>Building Biomaterials through Genetic Code Engineering for Biomedical Applications.</b>
02:15 PM	<b>Dr. Padmanabha Kumar Govindaraj</b> Associate Professor, MAHSA University	<b>Artificial Intelligence in Dentistry: Transforming Diagnosis, Treatment, and Beyond</b>
02:45 PM	<b>Dr. R. K. Manchanda</b> Former DG, CCRH New Delhi	<b>Strategic Standardization of Homeopathy: A BIS-Led Initiative in Alignment with the WHO Global Traditional Medicine Strategy 2025–2034</b>
03:15 PM	<b>Dr. Rakesh Sehgal</b> Dean (Medical & Bio Research), AVMC, Pondicherry, VMRF (DU)	<b>Effects of Pollution on Human Health</b>
03:45 PM	<b>Tea</b>	
04:15 PM	<b>Valedictory Function</b>	
05:00 PM	<b>National Anthem</b>	