



## International Conference on 'NANOSCIENCE AND NANOTECHNOLOGY'

29<sup>th</sup> February & 1<sup>st</sup> March 2024

### PROGRAM SCHEDULE

<b>Day 1: 29<sup>th</sup> February 2024</b> <b>Venue: Dr. T.M.A. Pai Auditorium, 3<sup>rd</sup> Floor, KMC, MAHE, Manipal</b>		
9:30 to 10:00 am	Inauguration	<p><b>Chief Guest: Lt. Gen. (Dr.) M. D. Venkatesh, VSM (Retd)</b> Vice Chancellor MAHE, Manipal, India</p> <p><b>Guest of Honour: Dr. Shantikumar Nair</b> Dean &amp; Head of Research, Amrita Vishwa Vidyapeetham, Kochi, Kerala, India</p> <p><b>Gracious Presence:</b>  <b>Dr. Sharath K. Rao</b> Pro Vice Chancellor (Health Sciences), MAHE, Manipal, India</p> <p><b>Dr. Narayana Sabhahit</b> Pro Vice Chancellor (Technology &amp; Science), MAHE, Manipal, India</p>
10:00 to 10:30 am	<b>Moderator:</b> <b>Dr. Ashok Rao</b> , Professor, Department of Physics, Manipal Institute of Technology, MAHE, Manipal, India	<p><b>Speaker:</b>  <b>Dr. Weihua Li</b> Professor, University of Wollongong, School of Mechanical, Materials, Mechatronic &amp; Biomedical Engineering, Northfields, Australia</p> <p><b>Topic:</b> Liquid Metal Based Magnetorheological Elastomers</p> <p style="text-align: center;">Tea Break</p>
11:00 to 11:30 am	<b>Moderator:</b> <b>Dr. Srinivas Mutalik</b> , Professor & Head, Dept. of Pharmaceutics, MCOPS, MAHE, Manipal, India	<p><b>Speaker:</b>  <b>Dr. Shantikumar Nair</b>, Dean &amp; Head of Research, Amrita Vishwa Vidyapeetham, Kochi, Kerala, India</p> <p><b>Topic:</b> Therapeutic and Regenerative Nanomedicines - Translational Opportunities</p>
11:30 am to 12:00 pm	<b>Moderator:</b> <b>Dr. Somashekara Bhat</b> , Professor & Joint Director, Manipal Institute of Technology, MAHE, Manipal, India	<p><b>Speaker:</b>  <b>Dr. Navakantha Bhat</b>, Dean, Division of Interdisciplinary Sciences &amp; Professor, Centre For Nano Science and Engineering, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore, India</p> <p><b>Topic:</b> Convergence of Nanomaterials, Nanoelectronics and Nanosensors for Emerging Intelligent and Smart Systems.</p>
12:00 to 12:30 pm	<b>Moderator:</b> <b>Dr. Sajjan George</b> , Professor & Head, Department of Atomic and Molecular Physics, MAHE, Manipal, India	<p><b>Speaker:</b>  <b>Dr. C. V. Yelamaggad</b>, Scientist, Centre for Nano and Soft Matter Sciences, Bengaluru, India</p> <p><b>Topic:</b> ENZ Soft-Nanocomposites : Au nanoparticles passivated with liquid crystals</p>
12:30 to	<b>Session by NOVO NORDISK</b>	

01:00 pm		
01:00 to 02:00 pm	Lunch Break	
02:00 to 04:30 pm	Poster Sessions and Oral Presentations	
07:00 pm	Cultural Programme YAKSHAGANA PERFORMANCE	
08:00 pm	Banquet Dinner	
<b>Day 2: 1<sup>st</sup> March 2024</b> <b>Venue: Dr. TMA Pai Auditorium, 3<sup>rd</sup> Floor, KMC, MAHE, Manipal</b>		
09:30 to 10:00 am	<b>Moderator:</b> <b>Dr. Raviraja N. S.</b> , Professor & Coordinator. Manipal Center for Biotherapeutics Research, MAHE, Manipal, India	<b>Speaker:</b> <b>Dr. Amitava Mukherjee</b> , Senior Professor & Director, Centre for Nanobiotechnology, VIT University, Vellore, India  <b>Topic:</b> Mitigating Environmental Risk of Engineered Nanomaterials through Eco-Corona Formation: A Sustainable Way Forward
10:00 to 10:30 am	<b>Moderator:</b> <b>Dr. C. Mallikarjuna Rao</b> , Professor & Principal, Manipal College of Pharmaceutical Sciences, MAHE, Manipal, India	<b>Speaker:</b> <b>Dr. Sergii Rudiuk</b> , Associate Professor, Department of Chemistry, Ecole Normale Supérieure (ENS), Paris  <b>Topic:</b> Electrostatic Interactions in DNA nanotechnology: From Isothermal DNA origamis to Transfection of DNA Nanogels
Tea Break		
11:00 to 11:10 am	<b>Session by HP</b>	
11:10 to 11:40 am	<b>Moderator:</b> <b>Dr. K. K. Mahato</b> , Professor, Department of Biophysics, Manipal School of Life Sciences, MAHE, Manipal, India	<b>Speaker:</b> <b>Dr. R. S. Jayasree</b> , Scientist G, Division of Biophotonics and Imaging, Sree Chitra Tirunal Institute for Medical, Trivandrum, Kerala, India  <b>Topic:</b> Advances in medical diagnosis: Inorganic nanostructures and their role in biosensing and imaging
11:40 am to 01:30 pm	<b>Poster Sessions</b>	
01:00 to 02:00 pm	Lunch Break	
02:00 to 03:15 pm	<b>Oral Presentations</b>	
03:30 to 04:00 pm	Valedictory Program and Certificate Distribution	<b>Chief Guest:</b> <b>Dr. P. Giridhar Kini</b> Registrar, MAHE, Manipal