

# MMD 2024- Program Schedule

Talk Duration: Keynote: 30 min (25+5) or 25 min (22 + 3); Invited: 20 min (17+3); Contributory: 15 min (12+3).

## Sept. 04, 2024 (Wednesday)

10.00 - 12.00	Inaugural Program
12.00 - 12.10	BREAK
12.10 - 13.00	PL1 : Dr. Jitendra Sharma
	Universal Health Coverage through Made in India Medical Technology"
13.00 - 14.00	LUNCH BREAK
14.00 - 15.30	Session on Defence Materials
15.30 - 16.00	TEA BREAK
16.00 - 16.45	PL2 : Dr. S.K. Jha
16.45 - 17.30	PL3 : Dr.Kantesh Balani
	Bacterial Protein Interaction with Real Life Implant Materials
17.30 - 18.30	Visit to exhibition
19.00 - 20.00	Cultural Program
20.00 - 21.30	Gala Dinner

## Sept. 05, 2024 (Thursday)

Time	Section	Speaker	Affiliation	Title
9:30 am	Plenary 4	Dr. Sankha Dip Das (MEITY), Advance Manufacturing for Medical Device Sector		
10:10 am	Keynote	Dr. Sai Muthukumar	Sri Sathya Sai Institute of Higher Learning	Characterization of Bone & Bone Related Materials: A Clinical Research Perspective
10:40 am	Keynote	Dr. B. V. Sarada, Kaliyan Hembram, Manish Tak and R. Vijay	ARCI, Hyderabad	Additive Manufactured Bio-medical Implants and Advanced Biocompatible Coatings
<b>Session Chair: Dr. Vamsi Balla</b>				
11:10	Keynote	Prof. Dharendra Katti	Director, IIT Goa	Injectable Scaffolds-based Strategies for Cartilage Tissue Regeneration
11:40	Keynote	Anshu Dubey, Satish Jaiswal, Prof. Debrupa Lahiri	IIT Roorkee	Magnesium Based Biodegradable Materials System for Temporary Orthopedic Applications
12:10	Invited	Dr. Neetu Singh	IIT Delhi	3D Liver Platforms for In-Situ Disease Staging
12:30	Contributory	Dr. Smiti Bhardwaj, Dr. Mahesh Verma, Dr. Farrukh Faraz	MAIDS	Development of Indigenous Dental Implants: Innovation in Dental Rehabilitation
12:45	Contributory	Dr. Subhadip Bodhak, Rathina Vel, Aniruddha Pal, Vamsi Krishna Balla, Sk Hasanur Rahaman	CGCRI	Novel Multifunctional Fibrous Patch and Synergistic Regenerative Strategies for the Treatment of Degenerative Cartilage Diseases
13:00-14:00	<b>Lunch Break</b>			
14:00 -14:40	<b>Panel Discussion on "Regulating the Future of Healthcare: Industry Perspectives on Material and Device Challenges"</b> –Moderated by: Mr. Ravi Bollina (Orange Koi)			

<i>Panelists: Mr. Ravi Jayadev (TUV), Mr. Hemant (Henkel), Mr. Kaustubh (Solvay), Mr. Arindam Bose (Spellman), Mr. Jeet Singh (VVDN), Mr. Vivek Gupta (Nanoshel), Mr. Ravi Bollina (Orange Koi)</i>				
<b>Session Chair: Prof. Debrupa Lahiri</b>				
14:40	Keynote	<b>Prof. Geetha Manivasagam</b>	VIT	Biomimetic Orthopedic Implants: Immediate Solution for Implant Failure
15:10	Keynote	Sk. Hasanur Rahaman, Subhadip Bodhak, <b>Dr. Vamsi K. Balla</b>	CGCRI	Novel Use of Multiferroics to Create Electroactive Biocomposites for Bone Tissue Engineering
15:35	Keynote	Kaushal Shakya, <b>Prof. Vivek Verma</b>	IIT Kanpur	Towards Polysaccharide based Hemostatic Materials
16:00-16:40	<b>Panel Discussion</b> on “ <i>Translating Medical Research into Industry Solutions: A Government Organization's Initiative</i> ” –Moderated by: Mr. Santosh Kumar (AMTZ) <i>Panelists: DN Rao(SRM University),Dr.Sankhadip Das(Meity), Dr. K. Annapurna (CGCRI, Gol), Dr. Nilesh (CSIR-CSIO), Mr. Jaspreet Siddhu (NCAM), Mr.Anil Jain ( Jaipur Foot)</i>			
<b>Session Chair: Prof. Vivek Verma</b>				
16:40	Keynote	<b>Dr. Samyak V. Mulkutkar</b>	Ophthalmologist, Hinduja Hospital	Vitreous Substitutes & Retinal Surgery - Present Usage & Future Challenges
17:05	Keynote	<b>Dr. Mayur Jain</b>	CVTS, Hinduja Hospital	Mechanical Support for Heart
17:30	Keynote	<b>Dr. Chirag Punatar</b>	Urologist, CVTS, Hinduja Hospital	Lasers in Urology
17:55	Contributory	<b>S. Jabastin</b> , K. Aruna, P. V. Benisha, T. M. Sridhar	University of Madras	Layer by Layer (LbL) Approach: New Coating on 316L SS For Orthopaedic Bone Implants
18:10	Contributory	<b>Dinesh Durgappa</b> , Dirk L Engelberg	University of Manchester	Corrosion Screening of Nitinol Surfaces
18:25	Invited	<b>Anuya Nisal</b> , Rucha Deshpandeb, Swati Shuklac, Gayatri Gurjard, Raeesa Sayyade, Premnath Venugopalan	<i>Serigen Mediproducs Pvt. Ltd</i>	Superior Clinical Outcomes in Bone Tissue Engineering Using Silkbased Bone Void Fillers

## Sept. 06, 2024 (Friday)

Time	Section	Speaker	Affiliation	Title
9:30	<b>Plenary 6</b>			
10:10	<b>Plenary 7</b>			
10:50-11:10	<b>Tea Break</b>			
<b>Session Chair: Prof. Kaushik Chatterjee</b>				
11:10	Keynote	<b>Dr. A. Unnikrishnan</b>	BIS	Standardization in the field of Medical Devices and Healthcare
11:40	Keynote	<b>Prof. Balendra P. Singh</b> , Nishi Singh	KGMU	Translational research and evidence synthesis in healthcare
12:10	Invited	<b>Dr. Jyoti Prakash</b>	BARC	Advanced Ultra-Sensitive Technologies for Pharmaceutical and Medical Industries Utilizing CNT Aerogels
12:30	Contributory	<b>R. Vignesh</b> , E. Ezhili, V. Balasubramani, T. M. Sridhar	University of Madras	Electrochemical Evaluation of Functionalized Coatings on Titanium by Electrophoretic Deposition for Bone Implant Application
12:45	Contributory	<b>Subhash N. N.</b> , Muraleedharan C. V.	SCTIMST	Failure Mode Effect Analysis of Coronary Stent
13:00-14:00	<b>Lunch Break</b>			

<b>Panel Discussion on "The Innovation Intersection: Where Academia Meets Industry"</b> – Moderated by: Ms.Divya Patil <i>Panelists: Mr. Anurag Meena (Neodocs), Dr. Y. Ravi Kumar (NIT Warangal), Dr. Neeraj Maheshwari (MIT Pune), Dr. B.K. Murthy (Amity University) Dr. Renu Vyas (MIT Bioengineering Pune)</i>				
<b>Session Chair: Prof. Balendra P. Singh</b>				
14:00	Keynote	<b>Prof. Kaushik Chatterjee</b>	IISc	3D Printing of Biomaterials: The New Dimension in Medical Devices
15:10	Invited	<b>Dr. Anil Kumar Jain</b>	Santokba Durlabhji Memorial Hospital	Materials Problem in Lower limb Prosthetics and Orthotics with Special Reference to Jaipur Rehabilitation Technology (Jaipur foot and Calipers for Locomotor Disability)
15:30	Invited	<b>Prof. Ashutosh Dubey</b>	IIT BHU	Piezoelectricity and Electrodynamical Stimulation Towards Improving Osteogenic and Antibacterial Response
15:50	Invited	<b>Prof. Superb Misra, Simranjit Singh, Bharti Malvi, Archini Paruthi, Swaroop Chakraborty</b>	IIT Gandhinagar	Nanomaterial Design a Key Factor for Biomedical Applications
16:30	<b>Valedictory Function</b>			

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## List of Speakers:

Balani, Kantesh  
 Balla, Vamsi K.  
 Bhardwaj, Smiti  
 Bodhak, Subhadip  
 Chatterjee, Kaushik  
 Das, Sankha D.  
 Dubey, Ashutosh  
 Durgappa, Dinesh  
 Jabastin, S.  
 Jain, Anil K.  
 Jain, Mayur  
 Katti, Dharendra  
 Lahiri, Debrupa  
 Manivasagam, Geetha

Misra, Superb  
 Mulkutkar, Samyak V.  
 Muthukumar, Sai  
 Nisal, Anuya  
 Prakash, Jyoti  
 Punatar, Chirag  
 Sarada, B. V.  
 Sharma, Jitendra  
 Singh, Balendra P.  
 Singh, Neetu  
 Subhash, N. N.  
 Unnikrishnan, A.  
 Verma, Vivek  
 Vignesh, R.