



International Advanced Research Centre for  
Powder Metallurgy & New Materials (ARCI)

Hyderabad, India

## One Day Workshop on Materials and Technologies for Biomedical Implants

February 24, 2022



### Programme

INAUGURAL SESSION (9.30 – 10.00 HRS)		
9.30 – 9.40	Welcome and Opening Remarks	Dr. B. V. Sarada Scientist 'F', Coordinator for Biomedical Working Group at ARCI.
9.40 – 9.50	Remarks by Director	Dr. Tata Narasinga Rao, Director (Additional Charge), ARCI.
9.50 – 10.00	Introduction to the Azadi Ka Amrit Mahotsav (AKAM) Celebrations at ARCI	Dr. P. K. Jain, Scientist 'G', Chairman, AKAM Committee, ARCI.
TECHNICAL SESSIONS		
Technical Session – I (10.00 – 12.00 hrs) Chairman: Dr. R. Vijay, Scientist 'G' and Head, Centre for Nanomaterials (CNM)		
10.00 – 10.45	Professor B. Ravi Institute Chair Professor, Mechanical Engineering PI, Biomedical Engineering & Technology Innovation Centre Indian Institute of Technology Bombay (IITB), Mumbai.	Indigenous Development of Modular and Customized Implants
10.45 – 11.30	Professor Frank Witte Department of Prosthodontics, Geriatric Dentistry and Craniomandibular Disorders Charité Universitätsmedizin Berlin, Berlin, Germany	Biodegradable Metals for Temporary Implants: An Overview
11.30 – 12.00	Dr. B. V. Sarada Coordinator for Biomedical Working Group at ARCI	Materials and Processes for Biomedical Implants @ ARCI

<p align="center"><b>Technical Session – II (12.00 – 13.15 hrs)</b>  Chairman: Dr. Dibyendu Chakravarty Scientist ‘E’, CNM</p>		
12.00 – 12.45	<p>Professor Bikramjit Basu  Materials Research Centre &amp;  Centre for Biosystems Science and  Engineering  Indian Institute of Science (IISc),  Bangalore</p>	<p>Biomaterials and Implants:  Unmet clinical needs, Current  Status and Recommendations</p>
12.45 – 13.15	<p>Dr. Jitendar Kumar Sharma  Managing Director and CEO  Andhra Pradesh Med-Tec Zone (AMTZ)  Visakhapatnam</p>	<p>Commercialization and  Market opportunities for  implant manufacturing</p>
<p align="center"><b>Lunch Break (13.15 – 14.00 Hrs)</b></p>		
<p align="center"><b>Technical Session – III (14.00 – 16.15 hrs)</b>  Chairman: Dr. Kaliyan Hembram Scientist ‘E’, CNM</p>		
14.00 – 14.45	<p>Dr. P. R. Hari Krishna Varma  Head, Biomedical Technology Wing  Sree Chitra Tirunal Institute for Medical  Sciences and Technology (SCTIMST),  Trivandrum</p>	<p>Clinical use of Biomaterials  for Bone regeneration- Scope  and Challenges</p>
14.45 – 15.15	<p>Dr. Navin Rajpal  CEO &amp; Director  &amp;  Dr. Swathi Nirale  Sr Manager-Stent Division  Relisys Medical Devices Limited  Hyderabad</p>	<p>Coronary Stents and Relisys  Achievements.</p>
15.15 – 15.45	<p>Prof. Ramesh Loganathan.  Professor of Co-innovation &amp; Head  Research Outreach, International Institute  of Information Technology (IIIT)  Hyderabad</p>	<p>AI in Medical Devices</p>
15.45 – 16.15	<p>Dr. Pankaj Chattrala  CEO and Founder  Orthoheal Pvt. Ltd, Gujarat.</p>	<p>Translating Biomaterial  Knowledge into Medical  Device</p>
<p align="center"><b>Panel Discussion (16.30 – 17.30 hrs)</b>  Moderator: Dr. Sanjay Bharadwaj, Scientist ‘F’ and Head  Centre for Technology Acquisition and Transfer (CTAT)  <i>(Experts to be added soon)</i></p>		
17.30 – 17.45	<p align="center"><b>Closing Remarks</b> – Dr. Tata Narasinga Rao,  Director (Additional Charge), ARCI</p>	
	<p align="center"><b>Vote of Thanks</b> – Mr. Manish Tak, Scientist ‘E’,  Centre for Laser Processing of Materials (CLPM)</p>	