



Dec' 4-7 2025

40th International Conference

Organized by SBAOI & STERMI at

IIT ROPAR

'Submit and publish your research in 5 peerreviewed international journals!"

MAJOR THEMES



Biomaterials 3D Bioprinting

Biomedical Implants Biomechanics



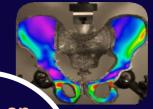
Bioimaging Radiology



Wellness Ayurveda

Pharmaceuticals





Abstract

➤ 30 Sep'25 - Acceptance

> 30 Sep'25 - Registration Start

Key Highlights Innovations in orthopaedic biomechanics Biomedical Imaging

· A special session will focus on 3D Printing.

> 15 Aug'25 - Open

> 25 Sep'25 - Close

Hands on **Training &** Workshop **Sessions** Dec' 3, 2025

Therapeutics Al-Healthcare

Plenary & Keynote Lectures bu

Prominent Academicians, Clinicians & Scientists



BIOMANTHAN 2025

SBAOI & STERMI

Email ID - biomanthan@iitrpr.ac.in

Convener: Prof. Navin Kumar

Indian Institute of Technology (IIT) Ropar, Punjab, INDIA http://www.iitrpr.ac.in/biomanthan/ https://www.iitrpr.ac.in/navin/



Punjab



Chandigarh





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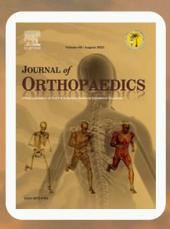
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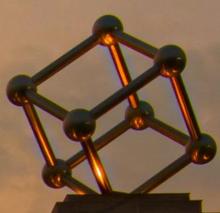


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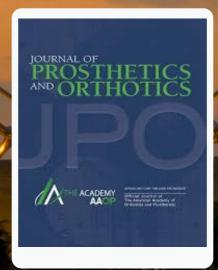


Biomaterials and Artificial Organs













Convener:

Prof. Navin Kumar
Indian Institute of Technology Ropar
Punjab, INDIA

Bio-MANTHAN 2025 SBAOI & STERMI biomanthan@iitrpr.ac.in Register now at:

http://www.litrpr.ac.in/biomanthan/













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JOURNAL OF ORTHOPAEDICS

Major Areas Publication

Basic Sciences in Orthopaedics
Paediatric Orthopaedics
Sports Orthopaedics
Arthroplasty
Arthroscopy
Trauma
Spine

BIOMATERIALS AND BIOSYSTEMS

Major Areas Publication

Biomaterials design, synthesis & characterization
Nanomaterials & nanotechnology in healthcare
Clinical translation & healthcare applications
Tissue engineering & regenerative medicine
Drug delivery & therapeutic systems
Biosystems and biointerfaces
Medical devices & diagnostics

JOURNAL OF PROSTHETICS AND ORTHOTICS (JPO)

Major Areas Publication

Emerging technologies (e.g., 3D printing, digital tools)
Prosthetic & orthotic device design and evaluation
Clinical research & rehabilitation outcomes
Biomechanics and gait analysis

JOURNAL OF APPLIED BIOLOGY & BIOTECHNOLOGY

Major Areas Publication

General Biochemistry & Molecular Biology
Applied Research in Biological Sciences
Plant Science & Medicinal Plants
Biotechnology & Bioinformatics
Microbiology & Food Science
Agronomy & Crop Science

TRENDS IN BIOMATERIALS AND ARTIFICIAL ORGANS

Major Areas Publication

Cell-based studies and biomaterial—cell interactions
Tissue Engineering & Regenerative Medicine
Nanotechnology in Biomedical Applications
Drug Delivery Systems
Artificial Organs
Biomaterials

CRITICAL REVIEWS IN BIOMEDICAL ENGINEERING

Major Areas Publication

Biomechanics & Rehabilitation Engineering
Biomedical Imaging & Signal Processing
Computational Modeling & Simulation
Biomaterials & Tissue Engineering
Medical Devices & Instrumentation
Drug Delivery & Nanomedicine

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Indian Institute of Technology Ropar
Puniab, INDIA

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Bio-MANTHAN Biomechanics, Medical Device, Ayurveda, Naturopathy, Tissue Engineering, AI-Healthcare, Nutrition







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Prof. Ashok Kumar President, SBAOI



Prof. Dhirendra S Katti President, STERMI

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Co-Convener



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Co-Convener



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40th International Conference Organized by

IIT Ropar Dec' 4-7, 2025





Prof. Abhay Karandikar

Secretary, Department of Science & Technology (DST),

Government of India

Director, IIT Kanpur (2018–2023)



Guest of Honour Dr. Vinod K. Paul

Member, NITI Aayog
Former Professor AIIMS Delhi



Guest of Honour Prof. Meenu Singh

Director, AIIMS Bathinda

Director & CEO, AIIMS Rishikesh

Convener:

Prof. Navin Kumar

Indian Institute of Technology Ropar
Punjab, INDIA

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Biomechanics, Medical Device, Ayurveda, Naturopathy, Tissue Engineering, AI-Healthcare, Nutrition







Plenary Speakers



Prof. David B. Burr Professor Indiana University, USA







Prof. Roger Jagdish Narayan Distinguished Professor of BMENC State University, USA

Prof. Huinan Hannah Liu Professor University of California at Riverside (UCR),USA





Prof. Amit Bandyopadhyay Chair, Professor Washington State University, USA

Prof. Ketul C. Popat Chair , Professor George Mason University, USA





Prof. Ashok Kumar Professor, President (SBAOI) IIT Kanpur, India

Prof. Dhirendra S Katti
Professor, President (STERMI),
Director
IIT Goa, India





Dr. Jitendra Sharma ProfessorManaging Director, Founder, and CEO of AMTZ, India

Prof. Savyasachi C. Thakkar Chair of Orthopaedic Surgery Johns Hopkins University, USA





Prof. Ashutosh Khandha Professor University of Delaware, USA

Prof. Bikramjit Basu
Professor
Director, CSIR-CGCRI





Prof. Chandan K. Sen Professor, Asso. Vice ChancellorUniversity of Pittsburgh, USA

Dr. Prashant N. Kumta Chair Professor University of Pittsburgh, USA





Prof. Gilson Khang
Professor
Jeonbuk National University,
Korea

Prof. Vinoy Thomas ProfessorUniversity of Alabama , USA







Biomechanics, Medical Device, Ayurveda, Naturopathy, Tissue Engineering, AI-Healthcare, Nutrition







International Prominent Speakers-



Prof. Anamika Prasad Florida International University, USA



Prof. Manishekhar Kumar University of Pittsburgh, USA



Prof. Pranay Soman Syracuse University, USA



Dr. Finosh G Thankam Asst. Prof., Western University of Health Sciences, USA



Dr. Binata Joddar Oregon State University, USA



Prof. Sriya Srinivasan Kempner Institute, USA

National Prominent Speakers



Prof. Rehan Haq Head, Ortho AIIMS Bhopal





Prof. Bhavuk Garg AIIMS, New Delhi



Col. Dr. Manish Prasad Prof. & Senior Adviser Orthopaedics, Hospital Delhi



Prof. Anil K Bhat Dean, Prof. & Head KMC, Manipal



Dr. Vikas Jain Founder Aarogyam 3D Design



Prof. Kaushik Chatterjee Professor & Chair, Bioengineering IISc Bengaluru



Prof. Neetu Singh Head, Biomedical IIT Delhi



Prof. Biman B. Mandal Professor IIT, Guwahati



ANRF, DST, Delhi



Dr. Dipti Kakkar Thukral Dr. Bhanu Duggal Professor & HOD, Cardiology AIIMS, Rishikesh



Prof. Namrata Gundiah Professor, Mechanical Engg. IISc Bengaluru



Prof. Sujata Mohanty Professor, Stem Cell AIIMS Delhi



Prof. & Head, Plastic Surgery PGIMER, Chandigarh



Prof. Vishal Kumar Additional Prof. Ortho. PGIMER, Chandigarh



Prof. Sarvdeep Singh Dhatt Professor, Ortho. PGIMER Chandigarh



Prof. & Head, Anatomy



Prof. Anjali Aggarwal Prof. Abhijit Majumder Professor, Chemical Engg. IIT Bombay



Prof. Pravin Salunke Professor, Neurosurgery PGIMER, Chandigarh



Prof. Kumar Keshav Orthopaedic SGPGIMS, Lucknow



Prof. Kanagaraj Subramani Professor, Mechanical Eng. IIT Guwahati



Prof. Head, Biomed IIT Hyderabad



Prof. Falguni Pati Prof. Shalmoli Bhattacharyya Head, Biophysics PGIMER Chandigarh



Lahiri Metallurgical & Material Engg



Dr. P.R. Harikrishna Varma Head, Biomedical Technology Wing SCTIMST, Trivandrum

BioMANTHAN 2025



Prof. Subha Narayan Rath Prof. Biomedical Engg. IIT Hyderabad



Dr. Dinesh Kalyanasundaram Associate Prof. Biomedical, IIT Delhi



Prof. Kulbhushan Tikoo Professor & Dean NIPER Mohali



Dr. Akshay Srivastava Associate Prof., Medical Device Niper Ahmedabad



Prof. Ambarish Kunwar Prof. Biosciences & Bioengineering, IIT Bombay



Biomechanics, Medical Device, Ayurveda, Naturopathy, Tissue Engineering, AI-Healthcare, Nutrition







National Prominent Speakers



Prof. Kaladhar Kamalasanan Prof. Pharmaceutics AMRITA UNIV Kochi



Dr. R.S. Javasree Scientist-G SCTIMST, Trivandrum



Dr. Umashankar P.R. Scientist-G & Scientist-in-Charge SCTIMST, Trivandrum



Dr. Naibedya Chattopadhyay Dr. Anil Kumar PR Dr. Prasanta Kumar Sahoo Chief Scientist, Endocrinology CDRI Lucknow



Head, Tissue Culture SCTIMST Kerala



Head & SMO, AYUSH AIIMS Bhubaneswar



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Prof. S. Balakumar Prof. Nanoscience & Nanotechnology University of Madras



Dr. Shashank Chauhan Plastic, Reconstructive & Burn Surgery Professor, Chemistry AIIMS, Delhi



Prof. Aasheesh Srivastava **IISER** Bhopal



Prof. Ambarish Ghosh Prof. Nanoscience & nanoengg. IISc Bengaluru



Prof. Amit Dutt Prof. Genetics University of Delhi



Prof. Sujeet Kumar Sinha Professor, Mechanical Engg. IIT Delhi



Dr. Saroj Kumar Add. Prof. Biophysics



Dr. Rekha Lalwani Professor Anatomy AIIMS, Bhopal



Prof. Sunita Athavale Professor, Anatomy AIIMS, Bhopal



Dr. Sheetal Kotgirwar Professor, Anatomy AIIMS, Bhopal



Dr. Danish Javed SMO, AYUSH AIIMS Bhopal



Prof. K. K. Deepak Visiting Prof., Biomedical Engg.



Dr. Pankaj K. Sharma Asso. Prof., Ortho AIIMS Bathinda



Prof. Ajay Tijore Asst. Prof., Bioengineering IISc Bangalore



Dr. Jayanta Bhattacharyya Asso. Prof. Biomedical IIT Delhi



Dr. Govinda Kapusetti Asso. Prof., Medical Device NIPER Kolkata



Dr. Keerti Jain Asso. Prof., Pharmaceuticals NIPER Raebareli



Dr. Apurba Patra Asso. Prof., Anatomy AIIMS Bathinda



Dr. Arnab Chanda Asso. Prof., Biomedical IIT Delhi



Dr. S K Misra Asso. Prof. BSBE IIT Kanpur



Dr. Deepak Neradi Asst. Prof. Ortho AIIMS, Bhubaneswar



Dr. Raviraj Vankayala Asso. Prof., Bioscience & Bioengg. IIT Jodhpur



Dr. Rajesh Ghosh Asso. Prof., Mechanical IIT Mandi



Prof. Kavin Khatri Ortho, PGIMER Sangrur



Asso. Prof., Ortho AIIMS Raipur



Dr. Sitanshu Barik Asso Prof Ortho AIIMS Nagpur



Dr. Love Kapoor Asst. Prof., Orthopaedics AIIMS Delhi



Asso. Prof., Molecular & Cellular Medicine, ILBS, Delhi



Asso. Prof., Biological Science IIT Gandhinagar



Asso. Prof., Anatomy

AIIMS Deoghar

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Dr. Indranil Banerjee

Asso. Prof., BSBE

IIT Jodhpur

Asst. Prof., Ortho

AIIMS Guwahati

Dr. Kashif Akhtar Ahmed

Dr. Sabareeswaran A. Scientist-G SCTIMST, Trivandrum

Dr. Sumit Murab

IIT Mandi

Dr. Piyali Basak

Asst. Prof., BSBE Asso. Prof., Biosciences & Bioengg. Jadavpur University, Kolkata



Biomechanics, Medical Device, Ayurveda, Naturopathy, Tissue Engineering, AI-Healthcare, Nutrition







National Prominent Speakers



Prof. S. Raghavan Prof. (HAG)Retd. NIT Trichy



Dr. Ramya Rmdoss Professor & Head Saveetha University, Chennai



Dr. Deepthy Menon Professor AIMS, Kochi



Prof. Pradip Paik Professor, Asso. Dean, IIT BHU



Dr. Bharath Raja Guru



Dr. Bikesh Kumar Singh Asso. Professor, NIT Raipur



Dr. Suresh PS Asso. Professor, NIT Calicut



Dr. Suject N Charugulla Cluster Head Medical Affairs Dr. Reddy's Lab



Dr. Saurabh Gupta Asso. Professor, NIT Raipur



Dr. Naveen Kumar Singh Asst. Prof. Biomedical Engg. IIT Delhi



Dr. Mamoni Dash



Dr. Shiny Velayudhan Scientist – F, SCTIMST, Thiruvananthapuram



Dr. Rishikesh Pandey Asst. Prof. BSBE IIT Roorkee



Dr. Souptick Chanda Asst. Prof., BSBE IIT Guwahati



Mr. Arvind Kumar Prajapati
Scientist/Engineer 'D',
SCTIMST, Thiruvananthapuram

Scientist/Engineer 'D',
SCTIMST, Thiruvananthapuram

Dr. Parvaiz Ahmad Shiekh
DST INSPIRE Faculty
IIT Delhi

IIT Palakkad







Asst. Professor, IIT Jammu



Prof. Suveen Kumar Asst. Professor NIPER Ahmedabad



Dr. Madhu Gupta Assistant professor University of Lucknow



Dr. Subhadeep Roy Asst Professor, MRSB Asst. Professor, MRS BIT Mesra ,Ranchi



Dr. Prodvut Dhar Asst. Prof., Biochemical IIT BHU



Dr. Cota Navin Gupta Asst. Prof., Bioscience & Bioengg. IIT Guwahati



Dr. Vivek Verma Asst. Professor, IIT Patna



Dr. Manju S. Scientist 'F" SCTIMST, Trivandrum



Dr. Saurabh Kumar Assistant Professor NIPER Guwahati



Dr. Pavan Girish Pandit



Dr. Pallab Datta Assistant Professor NIPER Kolkata



Dr. Arindam Bit Asst. Professor, NIT Raipur



Dr. Prasoon Kumar Assistant Professor NIT Rourkela



Assistant Professor SRM, Kattankulathur

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Dr. Gorachand Dutta Asst. Prof., Medical Science IIT Kharagpur

Dr. Emon Barua



Assistant Professor IIITDM-Jabalpur



Dr. Priya Vashisth Dr. Saba Naqvi NIPER Raebareli



Dr. Bidvut Pal Assistant Professor IIEST Shibpur



Dr. Vinay Sharma



Assistant Professor NIPER, Mohali



Dr. Deba Prasad Dash











Awards of Rs. 2 Lakhs

- ✓ The American Chemical Society (ACS), Royal Society of Chemistry (RSC), and Bio-MANTHAN are offering an exciting opportunity with a cash prize and a winning certificate for the Best 18 posters and Best 18 oral presentations worth Rs. 2 Lakhs.
- ✓ Selected papers will be published in six peer-reviewed international journals.
- ✓ Welcome kits + Gala Dinner + 4 days (Breakfast, High-tea, Lunch) + Participant's certificate.(For All)
- ✓ Hostel Accommodation within the IIT campus (Only for Students)

Conference Registration Fee (Offline)					
Category	25 Oct'25	15 Nov'25			
Indian (₹)* without accommodation					
Student(member)	3500	4000			
Student(non-member)	4500	5000			
Faculty (member)	6000	6500			
Faculty (non-member)	7000	7500			
Accompanying (With Faculty)	4000	4500			
Industry Delegate	10000	11000			
Accompanying (With Industry Delegate)	6000	6500			
Foreign (\$)					
Student	250	300			
Faculty(member)	350	400			
Faculty (non-member)	400	450			
Accompanying person	250	300			
Indian (₹)* with accommodation#					
Student(member)	4500	5000			
Student(non-member)	5500	6000			
✓ * 18 % GST Extra					

Conference Registration Fee (Online)

Category	25 Oct'25	15 Nov'25	
Indian (₹)*			
Student	2500	3000	
Faculty	4500	5000	
Industry Delegate	7000	7500	
Foreign (\$)			
Student	150	200	
Faculty	200	250	

workshop & Hands-on Training Charge				
Category	25 Oct'25	15 Nov'25		
Indian (₹)*				
Student(member)	2000	2500		
Student(non-member)	2500	3000		
Faculty (member)	3000	3500		
Faculty (non-member)	3500	4000		
Industry Delegate	4500	5000		
Indian (₹)* with accommodation#				
Student(member)	2500	3000		
Student(non-member)	3000	3500		

Accommodation in IIT Hostel (for students only)

Group discounts are available for students

Group Size	Discount offered	Conditions
5+ Participants	10% on Total Payable Amount	Must register together as a group (In a Single Payment)

Note: All group members must register together to avail of this offer. Only from the same institute are allowed.



^{18 %} GST Extra



Packages

Categories	Stay Days				
	1 St Day	2 nd Day	3 rd Day		
Indian (₹) 18 % GST Extra					
Faculty(member)	10,000	14,000	18,000		
Faculty(non-member)	11,000	15,000	20,000		
Foreign (\$)					
Faculty(member)	500	650	800		
Faculty(non-member)	550	700	850		



Conference Registration Fee Included



All-day conference food included Accommodation in 3-Star SALT STAYZ at Mohali

Free transportation in Deluxe Buses from Hotels to the Venue

Free morning YOGA sessions
Free visit to the Archaeological Site Ropar



SALT STAYZ





Deluxe -Volvo Bus

Limited rooms are available

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Saltstayz Chandigarh Mohali

https://saltstayz.com/listing/saltstayz-trinity-mohali/







Biomechanics, Medical Device, Ayurveda, Naturopathy, Tissue Engineering, AI-Healthcare, Nutrition







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- Prime branding across all materials
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- Keynote session
- 05 Complimentary registrations
- Your company logo prominently featured on all event materials and the website main page
- Social media spotlight, brochure insert
- Special acknowledgments during the opening and closing ceremonies
- Opportunity to include your promotional materials or gifts in the delegate kits

Platinum Sponsor

₹3,00,000

- Prominent branding
- A medium exhibition booth at the venue
- 03 Complimentary registrations
- Keynote talk
- Your company logo prominently featured on the website and banners
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- Opportunity to include your promotional materials or gifts in the delegate kits

Gold Sponsor

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- 02 Complimentary registration
- Shared exhibition space
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- Recognition during both the opening and closing ceremonies
- Opportunity to include your promotional materials or gifts in the delegate kits

Silver Sponsor

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- Tailored benefits based on your branding
- 01 Complimentary registration
- Product display, or collaboration interests
- Recognition during the opening and closing ceremonies
- Visibility to Logo on the website

Note:

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Brand Visibility: Reach an elite, focused audience in Biomaterials, Orthopaedics, Al in healthcare and Ayurveda

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Market Positioning: Demonstrate your leadership and vision by supporting cutting-edge science and technology

 $\begin{tabular}{ll} \textbf{Networking Access} & -- \begin{tabular}{ll} \textbf{Connect with industry professionals, influencers, and decision-makers} \end{tabular}$

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Startups & Corporate Exhibition







Dec' 3-4 2025



Exhibitor Stall – ₹50,000

- Stall space: 2m x 2m
- 1 Table & 2 Chairs
- Required Power Supply
- Registration for 1 Delegate Listing in Souvenir

A great opportunity for Startups & Corporates

to showcase products, innovations, and services.









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