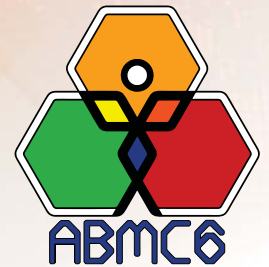


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Bringing together
Asian Research in Biomaterials

THEME

**Innovative Biomaterials :
Technologies for Life and Society**



The 6th Asian Biomaterials Congress

October 25-27, 2017 | Thiruvananthapuram, India

Along with APSAO 2017 meeting &
27th National Conference of SBAOI



Venue: Apollo DIMORA, Thiruvananthapuram



The Conference - ABMC6

We are glad to inform you that the 6th Asian Biomaterials Congress (ABMC6) is being held in Thiruvananthapuram, Kerala, India during 25-27, October 2017.

During the past decade, researchers of Asian countries working in biomaterials research, biomedical technology development and medical devices/ artificial organs design were meeting biennially for discussing the advances in the area and to promote the related technology for social benefit. The previous five Asian Biomaterials Congresses were held in Tsukuba, Japan (ABMC1, 2007), Singapore (ABMC2, 2009), Busan, Korea (ABMC3, 2011), Hong Kong (ABMC4, 2013) and Taipei, Taiwan (ABMC5, 2015). This year Trivandrum, the capital of Kerala State in the Republic of India (known as 'the godzone' due to picturesque landscapes), gets the chance to host the 6th Asian Biomaterials Congress. The Conference venue is in the heart of the city.

ABMC6 is organized jointly by the Society for Biomaterials and Artificial Organs (India), Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, India, Society for Tissue Engineering and Regenerative Medicine, India, and Asia Pacific Society for Artificial Organs. Industries, business houses and statutory bodies have joined us to support the event.

On behalf of the Organizing Committee we welcome the delegates to this 3 day event of scientific deliberations proceeding in 3 concurrent sessions. There are 3 Plenary Lectures, 24 Keynote Addresses and 60 Invited Lectures in the program. In addition to technical sessions for researchers, ABMC6 will contain dedicated sessions for clinical application and regulatory aspects of biomaterials based products. An Industry-Academia interactive session also is being convened. ABMC6 will host a gathering of more than 300 scientists and researchers from all parts of Asia including, China, Korea, Japan, Singapore, Nepal, Taiwan, Saudi Arabia, India and Australia.



The Theme “Innovative Biomaterials: Technologies for Life and Society”

Biomaterials science have benefitted from the advances in multi-disciplinary approach of medical, engineering and physical sciences. This translational research brought out various products and procedures in medical devices and diagnostics sector that helped patients to lead a longer and healthier life. The continued progress in molecular biology, materials science, pharmaceutical sciences, chemical engineering, mechanical engineering, instrumentation and clinical engineering, is helping in creating many useful technologies. Novel functional biomaterials can provide specific bioactive signals to control and respond to changes of the biological micro environment during the process of tissue regeneration. The field of Tissue Engineering which employs scaffolds to grow cells has progressed to such a level that the process of replacing, engineering and growing tissues and organs is demonstrated in the laboratory, so as to restore normal physiological function.

Products and services related to innovative biomaterials are now showing high promise in the biomedical devices market. It is reported that orthopedic, musculoskeletal and spine segment is growing significantly in the global market. Other important segments are products related to dental, cardio-vascular, skin and cancer treatments. It is expected that the innovative biomaterials market reach US\$139 billion globally by year 2022, growing at a CAGR of 11.8%. A latest market research claims an “increasing usage of implantable products and growing awareness of biomaterials application in emerging economies fuels the growth of the biomaterials market”. Innovative biomaterials based technologies for diverse applications are expected to significantly benefit the end user, and in turn, the whole society.



The Gathering

In the current status of 'early-bird registration', ABMC6 has delegates working in the areas of biomaterials development, medical device design, translational and clinical research and biomedical industry. World renowned research groups working in this area are participating from China, Korea, Japan, Singapore, Nepal, Taiwan, Saudi Arabia and Australia. We have good representation from all the National Research Institutes and University Research Departments across India.

ABMC6 will have 24 technical sessions on Bioceramic Synthesis and Properties, Scaffold Materials, Scaffold Design Development, Scaffold Fabrication Techniques, Biomaterial Structures, Nanotherapeutics, Hard Tissue Implants Materials and Mechanics, Natural and Nature-Inspired Biomaterials, Biodegradable Materials, Cell Material Interaction, Wound Healing and Anti-Infective Biomaterials, Drug Delivery and Regenerative Medicine. There are sessions specifically on devices and products like Cardiac Devices, Neuroprosthetic Devices, Advanced Dental Materials. There are deliberations related to clinical experience in sessions of Advances in Clinical Research, Clinical and Translational Research and Regenerative Dentistry. Also there are additional sessions on Regulatory Aspects of Biomaterials Research and on Biocompatibility and Safety of Biomaterials.

24 eminent speakers will deliver Keynote Addresses in the sessions, along with 60 experts presenting Invited Lectures. ABMC6 is proud to present 3 Plenary Lectures by the topmost scientists in the area. There will be Researchers Forum and Rapid Fire Presentations to encourage budding researchers. More than 150 researchers will present their posters in ABMC6. Some Awards are instituted for selected presentations and posters. There will be exhibition/displays showcasing industrial products and services by companies dealing with medical devices, pharmaceuticals and biomedical technology. A commemorative souvenir will be brought out on the occasion.

Visit <http://www.abmc6.in> for details on **Registration Fee, Sponsorship Opportunities, Exhibition, Advertisements, Accommodation** etc.



Invited Speakers

- Prof. Gilson Khang**, Chonbuk National University, Republic Of Korea
- Prof. Yasuhiko Tabata**, Kyoto University, Institute for Frontier Medical Sciences, Kyoto, Japan
- Prof. Rui Reis**, University of Minho, Portugal
- Prof. Akio Kishida**, Tokyo Medical and Dental University, Tokyo, Japan
- Prof. Justin Cooper-White**, University of Queensland, Australia
- Prof. Ki Dong Park**, Ajou University, Suwon, Republic of Korea
- Prof. Laura Poole-Warren**, University of New South Wales, Sydney, Australia
- Prof. Li Fang Wang**, Kaohsiung Medical University, Taiwan
- Prof. Lisbeth Grondahl**, The University of Queensland, Australia
- Prof. Min Wang**, The University of Hong Kong, Hong Kong
- Dr. Prabha D. Nair**, SCTIMST, Thiruvananthapuram, India
- Dr. Takashi Nishimura**, Tokyo Metropolitan Geriatric Medical Center, Tokyo, Japan
- Dr. Tetsuji Yamaoka**, National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan



Prof. Toru Masuzawa, Ibaraki University, Japan
Prof. Xiao-Cheng Liu, Nankai University, China
Prof. Jeng Wei, Cheng-Hsin General Hospital, Taiwan
Prof. Hsin-Cheng Chiu, National Tsing Hua University, Taiwan
Prof. Takao Hanawa, Tokyo Medical and Dental University, Tokyo Japan
Prof. Yoshinori Arisaka, Tokyo Medical and Dental University, Japan
Prof. Jae Hyung Park, Sungkyunkwan University, South Korea
Prof. In-Kyu Park, Chonnam National Medical University, South Korea
Prof. Masaya Yamamoto, Tohoku University, Japan
Prof. Devendra Kumar Agrawal, Creighton University, USA
Prof. Dr. Oormila P. Kovilam, Creighton University Medical Center, USA
Prof. Sachiko Iseki, Tokyo Medical and Dental University, Japan
Dr. Nathaneil Hwang, Seoul National University, South Korea
Prof. Yin Xiao, Queensland University of Technology, Australia
Prof. Yasuhiko Iwasaki, Kansai University, Japan
Dr. Bikramjit Basu, Indian Institute of Science, Bangalore, India
Dr. Sampathkumar T.S., Indian Institute of Technology, Madras, India
Dr. Asha Kishore, SCTIMST, Trivandrum, India
Dr. Bhuvanesh Gupta, Indian Institute of Technology, Delhi, India
Prof. Subhas Chandra Kundu, University of Minho, Portugal
Dr. Eswara Reddy S., CDSCO, New Delhi, India
Dr. Mohanan P.V., SCTIMST, Trivandrum, India
Prof. Anil Sukumaran, Prince Sattam bin Abdulaziz University, Saudi Arabia
Prof. Naresh Bhatnagar, Indian Institute of Technology, Delhi, India
Dr. Kaushik Chatterjee Indian Institute of Science, Bangalore, India
Dr. Suresh S. Pillai Aster MIMS Hospital, Kozhikode, India
Prof. K.C. Gupta Indian Institute of Technology, Roorkee, India
Dr. Roy Joseph SCTIMST, Thiruvananthapuram, India
Dr. Madathipat Unnikrishnan Sree Uthradom Thirunal Hospital, Thiruvananthapuram, India
Dr. Deepak Kumar Pattanayak CSIR-Central Electrochemical Research Institute, India
Dr. Narayana Kalkura Anna University, Chennai, India
Dr. V. Haridas Indian Institute of Technology, Delhi, India
Dr. N. Rajendran Anna University, Chennai India
Dr. Ranjith Unnikrishnan Kerala Institute of Medical Sciences, Thiruvananthapuram, India
Dr. S. Santhoshkumar Government Medical College, Thiruvananthapuram
Dr. K. Manzoor AMRITA University, Kochi, India
Dr. Kaustabh Kumar Maiti IIIST, Thiruvananthapuram, India
Prof. Ashok Kumar Indian Institute of Technology, Kanpur, India
Dr. Rupesh Ghyar Indian Institute of Technology, Bombay, India
Prof. Amit Roy Chowdhury Indian Institute of Engineering Science and Technology, Shibpur, India
Dr. T.M. Sridhar University of Madras, Chennai, India
Prof. Dhirendra S. Katti Indian Institute of Technology, Kanpur, India
Dr. Jayakumar R. AMRITA University, Kochi, India
Dr. Biman B. Mandal Indian Institute of Technology, Guwahati, India
Dr. R. Janarthanan AMRITA University, Kochi, India
Prof. V.M Murukeshan Nanyang Technological University, Singapore
Dr. J. Arun Consultant Orthopedic Surgeon, Trivandrum
Dr. Vrisha Madhuri Christian Medical College - Vellore, India
Dr. Easwer H.V. SCTIMST, Thiruvananthapuram, India
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Er. C.V. Muraleedharan SCTIMST, Thiruvananthapuram, India
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Dr. R. Manikandhan Meenakshi Ammal Dental College & Hospital, Chennai, India
Dr. Pandurangan Harikrishnan Teeth "N" Jaws Center, Chennai, India
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Dr. Anil Kumar P.R. SCTIMST, Thiruvananthapuram, India
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Dr. Annie John SCTIMST, Thiruvananthapuram, India
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Prof. Veena Koul Indian Institute of Technology Delhi
Dr. Vinod Krishnan Sri Sankara Dental College, Varkala, India
Dr. Vibha Shetty MS Ramaiah Dental College, Bangalore, India
Dr. Deepti Simon Government Dental College, Thiruvananthapuram



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Advanced Biomaterials # Bioceramic Synthesis & Properties, Structures, Nanotherapeutics # Tissue Engineering, Scaffold Materials, Design Fabrication and Development # Artificial Organs, Cardiac Devices, Neuroprosthetic Devices # Hard Tissue Implants, Materials & Mechanics # Cell Material Interaction # Wound Healing and anti-infective Biomaterials # Advances in Clinical Research # Drug delivery # Regenerative Medicine # Clinical and Translational Research # Natural and Nature Inspired Biomaterials # Regulatory Aspects of Biomaterials Research # Biocompatibility and Safety of Biomaterials # Advanced Dental Materials # Biodegradable Materials # Regenerative Dentistry # Industry Academia Interaction

in association with

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Society for Biomaterials & Artificial Organs (India)

Asia Pacific Society for Artificial Organs

Society for Tissue Engineering and Regenerative Medicine (India)

IEEE Engineering in Medicine & Biology Society (Kerala Chapter)

Supporting Partners



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Sessions in the First Floor Halls, Apollo DIMORA, Thiruvananthapuram