

The 6th Asian Biomaterials Congress

Thiruvananthapuram, India - October 25-27, 2017



Apollo Dimora, Thiruvananthapuram

Supporting Partners



DAY 1: Wednesday, 25th October 2017

8:00 onwards

REGISTRATION
(1st Floor Lobby)

9:00 – 9:50

INAUGURAL CEREMONY
(IRIS, 1st Floor)

10:00 – 10:45

PLENARY LECTURE - PL1
Recent Advances of the Commercialization for Tissue Engineered and Regenerative Products

Prof. Gilson Khang
(Chonbuk National University, South Korea)
Chandra P. Sharma Award Lecture
(Venue: IRIS, 1st Floor)

10:45 – 11:10

High Tea

Day 1 Programs (Continued)

<p>11:10 – 13:00</p>	<p align="center">Session I (Venue: IRIS) Advanced Biomaterials – I Bioceramic Synthesis & Properties <u>Keynote Lecture – KL1</u> Dr. Bikramjit Basu (IISc Bangalore, India) <i>Additive Manufacturing of Biomaterials: A New Paradigm</i></p> <p align="center"><u>Invited Lectures – IL1 to IL3</u> Dr. Deepak Kumar Pattanayak (CSIR-Central Electrochemical Research Institute, Karaikudi, India) <i>An overview on synthesis and characterisation of calcium phosphate based bioceramics</i></p> <p align="center">Dr. Kaushik Chatterjee (Indian Institute of Science, Bangalore, India) <i>Multi-biofunctional polymer-ceramic nanocomposites for bone tissue engineering</i></p> <p align="center">Dr. S. Kanagaraj (Indian Institute of Technology, Guwahati, India) <i>Biomedical devices and implants at IIT Guwahati: A summary</i></p> <p align="center"><u>Oral Presentations OR1</u> Dr. D. Devaprakasam (VIT University Chennai Campus, India) <i>Hierarchical Structure Correlated Properties of Polymer Nanocomposites of PLLA Filled With Nanoparticles of Hydroxy Apatite and TiO₂</i></p>	<p align="center">Session II (Venue: GARNET) Tissue Engineering – 1 Scaffold Materials <u>Keynote Lecture - KL2</u> Prof. Shantikumar V. Nair (AMRITA University, Kochi, India)</p> <p align="center"><u>Invited Lectures – IL4</u> Prof. K.C. Gupta (Indian Institute of Technology, Roorkee, India) <i>Bioactive and drug releasing scaffolds for bone tissue engineering</i></p> <p align="center"><u>Oral Presentations OR2 to OR5</u> Prof. Srinivas Mutalik (MCOPS, Manipal, India) <i>Transdermal drug delivery systems containing an anti-cancer agent</i></p> <p align="center">Dr. Ryosuke Ozasa (Osaka University, Japan) <i>Construction of anisotropic bone matrix microstructure by controlling human induced pluripotent stem cells</i></p> <p align="center">Dr. Tooru Ooya (Kobe University, Japan) <i>Controlled Release of Proteins Regulated by Aqueous Two Phase System (APTS) Consisting of Poly(ethylene glycol) (PEG) and Hyaluronic Acid</i></p> <p align="center">Dr. Ravi Shankar (Indian Institute of Technology, Guwahati, India) <i>Nanofinishing of Bio-Implants using Polymer Rheological Abrasive Complex Suspensions</i></p>	<p align="center">Session III (Venue: EMERALD) Artificial Organs – 1 Cardiac Devices <u>Keynote Lecture – KL3</u> Prof. Laura Poole-Warren (The University of New South Wales, Sydney, Australia) <i>Freestanding soft conductive patches as a platform for delivery of excitable cells</i></p> <p align="center"><u>Invited Lectures – IL5 to IL8</u> Prof. Takashi Nishimura (Tokyo Metropolitan Geriatric Hospital, Japan) <i>Registry Report on VAD Treatment in Japan</i></p> <p align="center">Dr. Roy Joseph (SCTIMST, Thiruvananthapuram, India) <i>Development and Evaluation of an Indigenous Vascular Graft</i></p> <p align="center">Dr. Madathipat Unnikrishnan (Sree Uthradom Thirunal Hospital, Thiruvananthapuram, India) <i>Science, Art and Technology – Magical Endovascular Device for Aortic Aneurysm</i></p> <p align="center">Prof. Jeng Wei (Cheng-Hsin General Hospital, Taiwan) <i>Open Surgery for Aortic Dessection with the Use of Vascular Ring Connectors</i></p>
<p>13:00 – 14:00</p>	<p align="center">Lunch & Exhibition</p>		
<p>14:00 – 16:00</p>	<p align="center">Session IV (Venue: IRIS) Advanced Biomaterials – 2 Biomaterials Structures <u>Keynote Lecture - KL4</u> Dr. Sampathkumar T.S. (Indian Institute of Technology, Madras, India) <i>Micro/nanofeaturing for Enhanced Biofunctionalization of Metallic Implants</i></p> <p align="center"><u>Invited Lectures – IL9 to IL11</u> Dr. Narayana Kalkura (Anna University, Chennai, India) <i>Surface engineering of calcium phosphate based bioceramic composites for tissue engineering applications</i></p> <p align="center">Dr. V. Haridas (Indian Institute of Technology, Delhi, India) <i>Designer Dendrimers: From Synthesis to Functions</i></p> <p align="center">Dr. N. Rajendran (Anna University, Chennai India) <i>Surface Modification of Magnesium Alloys for Orthopaedic Applications</i></p> <p align="center"><u>Oral Presentations OR6 to OR7</u> Dr. Takuya Ishimoto (Osaka University, Japan) <i>Selective laser melting of biomedical beta-type Ti-15Mo-5Zr-3Al alloy-Crystallographic texture control for low Young's modulus implants-</i></p> <p align="center">Dr. Vinod Kumar Ponnusamy (Kaohsiung Medical University, Taiwan) <i>Nanomaterials and its application to toxins analysis</i></p>	<p align="center">Session V (Venue: GARNET) Rapid Fire Session I</p> <p align="center">RF1 - Aishwarya Satish (CSIR-CLRI, Chennai)</p> <p align="center">RF2 - Aparna Viswanathan (CNSMM, AMRITA, Kochi)</p> <p align="center">RF3 – Jibin K (SCTIMST, Thiruvananthapuram)</p> <p align="center">RF4 - Devarshi Kashyap (IIT Guwahati)</p> <p align="center">RF5 - Garima Lohiya (IIT Kanpur)</p> <p align="center">RF6 - S. Malathi (IIT Madras)</p> <p align="center">RF7 - Dr. Narasimha Raghavan (Sathyabama University, Chennai)</p>	<p align="center">Session VI (Venue: EMERALD) Artificial Organs – 2 Neuroprosthetic Devices <u>Keynote Lecture – KL5</u> Dr. Asha Kishore (SCTIMST, Thiruvananthapuram, India)</p> <p align="center"><u>Invited Lectures – IL12</u> Dr. Ranjith Unnikrishnan (Kerala Institute of Medical Sciences, Thiruvananthapuram, India)</p> <p align="center"><u>Oral Presentations OR8 to OR9</u> Mr. Jithin Krishnan (SCTIMST, Thiruvananthapuram, India)</p> <p align="center">Dr. S. Kalesh (Government Medical College, Thiruvananthapuram, India) <i>Scaffolds for Neuroregeneration</i></p> <p align="center"><u>Special Lecture – SS1</u> Dr. S.S. Santhoshkumar (Government Medical College, Thiruvananthapuram) <i>Medicine in the War Zone</i></p>
<p>16:00 – 16:30</p>	<p align="center">Afternoon Tea & Exhibition</p>		
<p>16:00 – 17:00</p>	<p align="center">Poster Session I</p>		

Day 1 Programs (Continued)

17:00 – 18:30	<p>Session VII (Venue: IRIS)</p> <p>Advanced Biomaterials – 3 Nanotherapeutics</p> <p><u>Keynote Lecture – KL6</u> Prof. Hsin-Cheng Chiu (National Tsing Hua University, Taiwan) <i>Cellular Delivery of Therapeutics to Tumor Hypoxia</i></p> <p><u>Invited Lectures – IL13 to IL14</u> Dr. Kaustabh Kumar Maiti (NIIST, Thiruvananthapuram, India) <i>Emerging Trends in Diagnostic and Therapeutic Nanoprobe for Cancer Treatment</i></p> <p>Dr. G.S. Sailaja (Cochin University of Science and Technology, Kochi, India) <i>Magnetic Nanomedicine for Cancer Theranostics: Microarchitectonics and Nanofunctional Probes</i></p> <p><u>Oral Presentation OR10</u> Dr. Syed Mudassar (Sher-I-Kashmir Institute of Medical Sciences, Srinagar, India) <i>Expression Profiling and Cellular Localization of Stress Responsive Proteins in Squamous Cell Carcinoma of Human Esophagus</i></p>	<p>Session VIII (Venue: GARNET)</p> <p>Tissue Engineering – 2 Scaffold Design Development</p> <p><u>Keynote Lecture – KL7</u> Dr. Muthu Jayabalan (Rtd., SCTIMST, Thiruvananthapuram, India) <i>Biosynthetic Smart Hydrogel Scaffolds for Cardiac Tissue Engineering</i></p> <p><u>Invited Lectures – IL15 to IL17</u> Prof. Ashok Kumar (Indian Institute of Technology, Kanpur, India) <i>Functionalised Biomaterial Scaffolds for Tissue Engineering and Regenerative Medicine</i></p> <p>Dr. Takashi Hoshiba (Yamagata University, Japan) <i>Chemoresistance of tumor cells on decellularized matrices derived from tumor cells with different malignant levels</i></p> <p>Prof. Geetha Manivasagam (VIT University, Vellore, India) <i>Influence Of Fabrication Routes On Porosity, Mechanical Properties And Biocompatibility Of Ti ,Mg And Hap Scaffolds For Orthopedic Applications</i></p>	<p>Session IX (Venue: EMERALD)</p> <p>Hard Tissue Implants Materials & Mechanics</p> <p><u>Keynote Lecture – KL8</u> Prof. Takao Hanawa (Tokyo Medical and Dental University, Tokyo, Japan) <i>Next Generation Implant Materials and Surfaces</i></p> <p><u>Invited Lectures – IL18 to IL20</u> Dr. Rupesh Ghyar (Indian Institute of Technology, Bombay, India) <i>Medical Device Innovation</i></p> <p>Prof. Amit Roy Chowdhury (Indian Institute of Engineering Science and Technology, Shibpur, India) <i>Patient Specific Implant Designing: Materials & Mechanics</i></p> <p>Dr. T.M. Sridhar (University of Madras, Chennai, India) <i>Graphene composite coating – a potential surface modification technique for implants</i></p>
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DAY 2: Thursday, 26th October 2017

9:00 – 9:40	<p>PLENARY LECTURE – PL2</p> <p><i>Delivery Technology of Bio-Signals to Realize Tissue Regeneration</i></p> <p>Prof. Yasuhiko Tabata (Kyoto University, Japan) (Venue: IRIS, 1st Floor)</p>		
9:40 – 10:00	<p style="background-color: #90EE90;">Morning Tea</p>		
10:00 – 11:30	<p>Session X (Venue: IRIS)</p> <p>Cell Material Interaction</p> <p><u>Keynote Lecture – KL9</u> Dr. Tetsuji Yamaoka (National Cerebral and Cardiovascular Center, Japan) <i>Effect of high hydrostatic pressure on tissues and a great patency of small-diameter xenogeneic acellular blood vessels with EPC capturing surface</i></p> <p><u>Invited Lectures – IL21 to IL22</u> Dr. T.V. Kumari (Rtd. SCTIMST, Thiruvananthapuram, India) <i>Cell Sheets for Corneal Regeneration</i></p> <p>Dr. Neetu Singh (Indian Institute of Technology Delhi, India) <i>Understanding the Role of Steric Hindrance in RNAi Mechanism for Nanoparticle Mediated siRNA Delivery</i></p> <p><u>Oral Presentations OR11</u> Dr. Kazuki Kitagawa (Ryukoku University, Japan) <i>Dynamic analysis of endothelial cell rolling and capturing on REDV-modified surface</i></p>	<p>Session XI (Venue: GARNET)</p> <p>Wound Healing and Anti-Infective Biomaterials</p> <p><u>Keynote Lecture – KL10</u> Prof. Bhuvanesh Gupta (Indian Institute of Technology, Delhi, India) <i>Chitosan based Bioactive Hydrogels for Wound Care Systems</i></p> <p><u>Invited Lectures – IL23 to IL25</u> Dr. Jayakumar R. (AMRITA University, Kochi, India) <i>Flexible Antimicrobial Chitosan Bandages for Treating Infectious Wounds</i></p> <p>Dr. Biman B. Mandal (Indian Institute of Technology, Guwahati, India) <i>Silk Biomaterials for Human Tissue Engineering</i></p> <p>Dr. R. Janarthanan (AMRITA University, Kochi, India) <i>Role of fat graft containing hydrogels in soft tissue regeneration and wound healing</i></p>	<p>Session XII (Venue: EMERALD)</p> <p>Advances in Clinical Research - 1 (APSAO Session)</p> <p><u>Keynote Lecture - KL11</u> Prof. Toru Masuzawa (Ibaraki University, Japan) <i>Magnetically Levitated Rotary Blood Pumps for Mechanical Circulatory Support</i></p> <p><u>Invited Lectures IL26 to IL28</u> Dr. Veena Koul (Indian Institute of Technology Delhi) <i>Development of Stimuli Sensitive Polymeric nanoplatfoms for Cancer Therapy</i></p> <p>Dr. Manzoor Koyakutty (AMRITA University, Kochi, India) <i>Cancer Nanomedicine: From Hype to Hope in Clinical Translation</i></p> <p>Dr. J. Arun (Consultant Orthopedic Surgeon, Trivandrum) <i>Management of Meniscal Tissue and its injuries</i></p>

Day 2 Programs (Continued)

11:30 – 11:40	Mini Break & Exhibition		
11:40 – 13:10	<p>Session XIII (Venue: IRIS)</p> <p>Drug Delivery & Imaging</p> <p>Keynote Lecture – KL12</p> <p>Prof. V.M Murukeshan (Nanyang Technological University, Singapore) <i>Advances in diagnostic imaging</i></p> <p>Invited Lectures IL29 to IL31</p> <p>Dr. In-Kyu Park (Chonnam National Medical University, South Korea) <i>Multi-stimuli Regulated Nano-micelles for Tumor-targeted Therapy</i></p> <p>Dr. Jae Hyung Park (Sungkyunkwan University, South Korea) <i>Reactive oxygen species: A clue for cancer theranostics</i></p> <p>Prof. Li-Fang Wang (Kaohsiung Medical University, Taiwan) <i>Chondroitin sulfate-modified polymers for delivery of nucleic acids in lung cancer</i></p>	<p>Session XIV (Venue: GARNET)</p> <p>Young Scientist Forum</p> <p>YS1 - Dr. Finosh G. Thankam (Creighton University, USA)</p> <p>YS2 - Dr. Gopal Shankar (Bannari Amman Institute of Technology, Erode, India)</p> <p>YS3 - Dr. Marshal Dhayal (Indian Institute of Technology, Varanasi, India)</p> <p>YS4 - Dr. Pankaj Chauhan (Indian Institute of Technology, Delhi, India)</p> <p>YS5 - Dr. Syama S. (SCTIMST, Thiruvananthapuram, India)</p> <p>YS6 - Dr. Tanya Debnath (Global Medical Education and Research Foundation, Hyderabad, India)</p>	<p>Session XV (Venue: EMARALD)</p> <p>Advances in Clinical Research - 2 (APSAO Session)</p> <p>Keynote Lecture – KL13</p> <p>Prof. Akio Kishida (Tokyo Medical and Dental University, Japan) <i>Preparation, characterization and in vivo performance of decellularized cornea</i></p> <p>Invited Lectures IL32 to IL34</p> <p>Dr. H.V. Easwer (SCTIMST, Thiruvananthapuram, India) <i>Clinical Study of Hydroxyapatite Bi-layer Burr-hole Buttons</i></p> <p>Dr. R. Manikandhan (Meenakshi Ammal Dental College & Hospital, Chennai, India)</p> <p>Dr. Rohidas B. Arote (Seoul National University, Korea) <i>Challenges in Gene Delivery for Cancer Therapy</i></p>
13:10 – 14:00	Lunch & Exhibition		
14:00 – 16:00	<p>Session XVI (Venue: IRIS)</p> <p>Regenerative Medicine - 1</p> <p>Keynote Lecture - KL14</p> <p>Prof. Justin Cooper-White (The University of Queensland, Australia)</p> <p>Invited Lectures IL35 to IL36</p> <p>Dr. Masaya Yamamoto (Tohoku University, Japan) <i>Fabrication of vascularized collagen hydrogels with a branched-channel structure by making use of a sugar-responsive sacrificial template</i></p> <p>Dr. Chitra Raghavan (Regional Institute of Ophthalmology, Medical College, Thiruvananthapuram) <i>Biomaterials in Ocular Surface Reconstruction</i></p> <p>Oral Presentations OR12 to OR14</p> <p>Dr. Kenichi Nagase (Keio University, Japan) <i>VEGF Releasing Fiber Mat Enables Effective Transplantation of Layered Cardiomyocyte Sheets</i></p> <p>Dr. Indranil Banerjee (National Institute of Technology, Rourkela, India) <i>Osteoblast-derived giant plasma membrane vesicle: A novel candidate for biomimetic osteogenic differentiation of mesenchymal stem cells</i></p>	<p>Session XVII (Venue: GARNET)</p> <p>Bajpai-Saha Award I</p> <p>Student Presentations</p> <p>BS1 - Aditi Jain (Indian Institute of Science, Bangalore)</p> <p>BS2 - Amit G. Krishnan (ACNS, AMRITA, Kochi)</p> <p>BS3 - Archana Rajendran (CSIR-CECRI, Karaikudi)</p> <p>BS4 - Balu V. Gopal (SCTIMST, Thiruvananthapuram)</p> <p>BS5 - Caroline Dianna Sherly (SCTIMST, Thiruvananthapuram)</p> <p>BS6 - Cho Ik Sung (Kobe University, Japan)</p> <p>BS7 - Honita Ramphul (University of Mauritius, Mauritius)</p> <p>BS8 - Parvaiz A. Shiekh (Indian Institute of Technology, Kanpur)</p> <p>BS9 - Priya S.S. (SCTIMST, Thiruvananthapuram, India)</p> <p>BS10 - Pushpalatha C. (MS Ramaiah University, Bengaluru)</p>	<p>Session XVIII (Venue: EMARALD)</p> <p>Clinical and Translational Research</p> <p>Keynote Lecture – KL15</p> <p>Prof. Devendra Kumar Agrawal (Creighton University, USA) <i>Novel Approach to Control Intimal Hyperplasia and Restenosis Following Coronary Intervention</i></p> <p>Invited Lectures IL37 to IL40</p> <p>Dr. K.R.S. Krishnan (SCTIMST/HLL Lifecare, Thiruvananthapuram, India) <i>Translational Research on Emily - the Hormone Releasing Intra Uterine System (IUS)</i></p> <p>Dr. Ramshekhar Menon (SCTIMST, Thiruvananthapuram, India) <i>Development of Microelectrode Arrays for Intracranial Electrocardiography in Epilepsy Surgery</i></p> <p>Dr. Suresh S. Pillai (Aster MIMS Hospital, Kozhikode, India) <i>Clinical Performance of Bone Graft Substitutes</i></p> <p>Dr. Oormila P. Kovilam (CHI Health, Creighton University Medical Center, USA) <i>Biomaterials in Pelvic Surgery</i></p>
16:00 – 16:20	Tea & Exhibition		
16:00 – 17:00	Poster Session II		

Day 2 Programs (Continued)

17:00 – 18:30	Session XIX (Venue: IRIS) Regenerative Medicine - 2 <u>Keynote Lecture – KL16</u> Prof. Sachiko Iseki <i>(Tokyo Medical and Dental University, Japan)</i> Application of Biomaterials in Osteogenesis <u>Invited Lectures IL41 to IL43</u> Dr Bihudutta Sahoo <i>(CMC Vellore, India)</i> <i>Safety and Feasibility of Novel Tissue Engineered Bone for Large Segmental Bone Defects Using Autologous Mesenchymal Stem Cells</i> Dr. Nathaneil Hwang <i>(Seoul National University, South Korea)</i> Cell Surface Engineering with Biomacromolecules and Mesoporous Silica Nanoparticles Dr. Pandurangan Harikrishnan <i>(Teeth “N” Jaws Center, Chennai, India)</i> Material Research in Orthodontics	Session XX (Venue: GARNET) Bajpai-Saha Award II BS 11 - Shikha Chawla <i>(Indian Institute of Technology, Delhi)</i> BS12 - Somoshree Sengupta <i>(CSIR-CGCRI, Kolakatta)</i> BS13 - Suchismita Chatterjee <i>(Kobe University, Japan)</i> BS14 - Yosuke Mizno <i>(University of Tsukuba, Japan)</i>	Session XXI (Venue: EMERALD) MAHE Award Presentations MA1 - Dr. R.S. Jayasree <i>(SCTIMST, Thiruvananthapuram, India)</i> MA2 - Dr. Mitun Das <i>(CSIR-CGCRI, Kolkatta, India)</i> MA3 - Dr. D.P. Rahul <i>(Amrita School of Dentistry, Kochi, India)</i> MA4 - Dr. Sneha Singh <i>(Birla Institute of Technology, Ranchi, India)</i>
		Biomaterials Characterization 18:00 Hrs Dr. Debdutt Patro <i>(DUCOM Instruments, Bangalore)</i> Wear Mechanism of Biomaterials under Realistic Physiological Body Conditions	
19:00 – 21:30	Cultural Program & Dinner at BMT Wing Campus, Poojappura		

DAY 3: Friday, 27th October 2017

9:00 – 9:40	<u>PLENARY LECTURE - PL3</u> <i>Research of Mechanical Circulation Support Device in China</i> Prof. Xiao-Cheng Liu <i>(TEDA International Cardiovascular Hospital, Tianjin, China)</i> (Venue: IRIS, 1 st Floor)		
9:40 – 10:00	Tea & Exhibition		
10:00 – 11:30	Session XXII (Venue: IRIS) Natural and Nature-Inspired Biomaterials <u>Keynote Lecture – KL17</u> Prof. Subhas Chandra Kundu <i>(University of Minho, Portugal)</i> Significant applications of silk proteins as trending biomaterials <u>Invited Lectures IL44 to IL45</u> Dr. Naveen Kumar <i>(ICAR-Indian Veterinary Research Institute, India)</i> Development of Naturally Derived Biomaterials for Tissue Engineering Dr. T.V. Anilkumar <i>(SCTIMST, Thiruvananthapuram, India)</i> Biomedical Applications of Porcine Cholecyst-Derived Scaffold <u>Oral Presentation OR15</u> Dr. Narayan Chandra Mishra <i>(Indian Institute of Technology, Roorkee, India)</i> Fabrication of goat dermal scaffold and its modification with silk fibroin for wound healing	Session XXIII (Venue: GARNET) Regulatory Aspects of Biomaterials Research <u>Keynote Lecture – KL18</u> Dr. Jitender Sharma <i>(CEO, Andhra Med Tech Zone, Vishakhapatnam)</i> <u>Invited Lectures IL46 to IL48</u> Dr. Chetan Mittal <i>(Philips Healthcare – India/Weal Healthcare Pvt. Ltd., Jalandhar, India)</i> Medical Device: Clinical Trials (Investigation) Dr. Satheesh Kumar CS <i>(Agappe Diagnostics Ltd. Kochi)</i>	Session XXIV (Venue: EMERALD) Rapid Fire Session II RF8 - Nivedhitha Sundaram <i>(ACNS, AMRITA, Kochi)</i> RF9 - Ram Prasad <i>(IIT Madras)</i> RF10 - Ramesh Kannan <i>(CSIR-CLRI, Chennai)</i> RF11 – V. Victoria <i>(LIFE, Loyola College, Chennai)</i> RF12 - Dr. M.S. Lekshmi <i>(Government Dental College, Thiruvananthapuram, India)</i> RF13 - Dr. Abha Nair <i>(PMS College of Dental Sciences & Research, Thiruvananthapuram, India)</i>
11:30 – 11:40	Mini Break & Exhibition		

Day 3 Programs (Continued)

11:40 – 13:10	<p>Session XXV (Venue: IRIS)</p> <p>Tissue Engineering – 3 Scaffold Fabrication Techniques</p> <p><u>Keynote Lecture – KL19</u></p> <p>Prof. Yin Xiao <i>(Queensland University of Technology, Australia)</i> <i>Tuning nanoengineered surfaces to manipulate immune response in bone regeneration</i></p> <p><u>Invited Lectures IL49 to IL51</u></p> <p>Dr. Sourabh Ghosh <i>(Indian Institute of Technology, Delhi, India)</i> <i>Biofabrication and 3D Bioprinting</i></p> <p>Dr. P.R. Anil Kumar <i>(SCTIMST, Thiruvananthapuram, India)</i> <i>3D Bioprinting of functional tissue constructs: Importance of process and parameters</i></p> <p>Dr. Deepthy Menon <i>(AMRITA, Kochi, India)</i> <i>Marvels of Electrospinning: Particles, Fibers and Yarns to Functional Biomedical Implants</i></p>	<p>Session XXVI (Venue: GARNET)</p> <p>Biocompatibility and Safety of Biomaterials</p> <p><u>Keynote Lecture – KL20</u></p> <p>Dr. P.V. Mohanan <i>(SCTIMST, Thiruvananthapuram, India)</i> <i>Regulatory Toxicology for the Materials/Medical Devices</i></p> <p><u>Invited Lectures IL52 to IL54</u></p> <p>Dr. Annie John <i>(Kerala University, Thiruvananthapuram, India)</i> <i>Tissue Engineering Strategy for Skeletal Defect Healing: A Pre-Clinical Perspective</i></p> <p>Dr. Alok Kumar Pandey <i>(Indian Institute of Toxicological Research, Lucknow, India)</i> <i>Nanomaterials Toxicology</i></p> <p>Dr. Sachin J. Shenoy <i>(SCTIMST, Thiruvananthapuram, India)</i> <i>In vivo Safety / Performance Evaluation of Medical Devices</i></p>	<p>Session XXVII (Venue: EMERALD)</p> <p>Advanced Dental Materials</p> <p><u>Keynote Lecture – KL21</u></p> <p>Prof. Anil Sukumaran <i>(Prince Sattam bin Abdulaziz University, Riyadh, Saudi Arabia)</i> <i>Optimizing Osseointegration - exploring future avenues</i></p> <p><u>Invited Lectures IL55 to IL56</u></p> <p>Dr. Arun Sadasivan <i>(Sree Mookambika Institute of Dental Sciences, Kulasekharam, Tamil Nadu, India)</i> <i>Development of 3rd generation of Guided Tissue Regenerative Membranes</i></p> <p>Dr. Rajesh Pillai <i>(P.M.S College of Dental Science and Research, Thiruvananthapuram)</i> <i>Smart materials for conservative dentistry</i></p> <p><u>Oral Presentations OR16</u></p> <p>Dr. P. Nagaraja Upadhya <i>(MCOBS, Manipal, India)</i> <i>Microwave Processing of Ionomer Glasses for Luting Applications</i></p>
13:10 – 14:00	Lunch & Exhibition		
13:30 – 14:30	Poster Session III		
14:30 – 16:00	<p>Session XXVIII (Venue: IRIS)</p> <p>Biodegradable Materials</p> <p><u>Keynote Lecture – KL22</u></p> <p>Dr. Prabha D. Nair <i>(Sree Chitra Tirunal Institute for Medical Sciences & Technology, India)</i> <i>Cartilage Tissue Regeneration Strategies using Biodegradable Scaffolds</i></p> <p><u>Invited Lectures IL57</u></p> <p>Prof. Yasuhiko Iwasaki <i>(Kansai University, Japan)</i> <i>Low-temperature processable biodegradable block copolymers embedded with proteins</i></p> <p><u>Oral Presentations OR17 to OR18</u></p> <p>Dr. Atsushi Tamura <i>(Tokyo Medical and Dental University, Japan)</i> <i>Design of Acid-Labile Polyrotaxanes for the Treatment of Rare Metabolic Diseases</i></p> <p>Dr. Himansu Sekhar Nanda <i>(Nanyang Technological University, Singapore)</i> <i>PAMAM Bioadhesives: A quest for blood compatible formulations</i></p>	<p>Session XXIX (Venue: GARNET)</p> <p>Industry Academia Interaction</p> <p>Dr. Sarada Jayakrishnan <i>(Terumo Penpol Ltd., Thiruvananthapuram, India)</i></p> <p>Mr. S. Ravindra <i>(CEO, HLL Medipark Ltd., Chennai, India)</i></p> <p>Mr. S. Balram <i>(CEO, SCTIMST-TIMED, Thiruvananthapuram, India)</i></p> <p>Dr. Sharma <i>(CEO, AMTZ, Vishakhapatnam, India)</i></p>	<p>Session XXX (Venue: EMERALD)</p> <p>Regenerative Dentistry</p> <p><u>Keynote Lecture – KL23</u></p> <p>Prof. Naresh Bhatnagar <i>(Indian Institute of Technology, Delhi, India)</i> <i>Idea to Reality - A Journey less travelled by Researchers - Glimpses of Dental Implant System Development at IIT Delhi</i></p> <p><u>Invited Lectures IL58 to IL60</u></p> <p>Dr. Vinod Krishnan <i>(Sri Sankara Dental College, Varkala, India)</i> <i>Tissue engineering and orthodontic tooth movement</i></p> <p>Dr. Vibha Shetty <i>(Faculty of Dental Sciences, Ramaiah University of Applied Sciences, Bangalore)</i> <i>Regenerative Methods in Dental Implantology- Need for Home Grown Solutions</i></p> <p>Dr. Deepti Simon <i>(Government Dental College, Thiruvananthapuram)</i> <i>Nanoporous Bioceramic Bodies in the Treatment of Maxillofacial Pathologies</i></p>
16:00 – 16:20	Tea Break		
16:20 – 17:20	<p>VALEDICTORY SESSION & AWARD FUNCTION</p> <p>(Venue: IRIS, 1st Floor)</p>		
<p>Congress Ends * Meets at ABMC7</p>			