

140th Conference
Scientific Federation



Renaissance Kuala Lumpur Hotel
Corner of Jalan Sultan Ismail & Jalan Ampang
50450 Kuala Lumpur, Malaysia

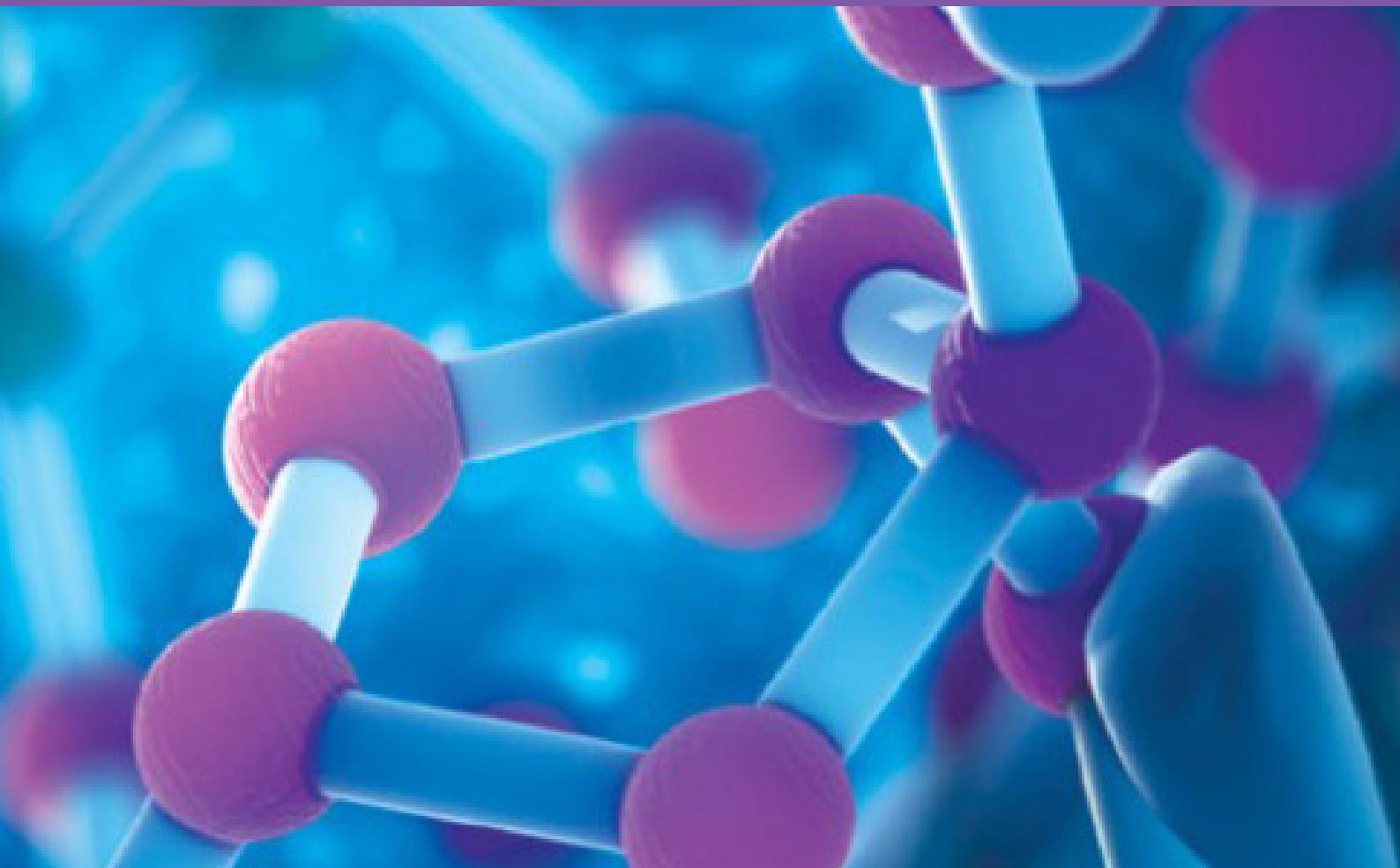


Scientific Program

Global Congress & Expo on

Biomaterials

May 13-14, 2019 | Kuala Lumpur, Malaysia



Scientific Federation

1-8-506/2/B, Begumpet, Hyderabad-500016, India

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Day 1 May 13, 2019

Function Room 2

08:00-09:00 Registrations
09:00-09:15 Introduction & Opening Words
Honorary Speech by Chair

Plenary Forum

09:15-09:55 **Title: Polymers for Cellular Control**
Mark Bradley, University of Edinburgh, United Kingdom

09:55-10:35 **Title: Manufacturing A New Generation of Biomaterials for Healthcare**
Edirisinghe Mohan, University College London, UK

10:35-11:15 **Title: All-in-one Targeted Solutions for Biomedical Imaging and Therapy- Nanotechnological Approach**
Jayasree R S, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India

Networking & Refreshments Break 11:15-11:30 @ Foyer

11:30-12:10 **Title: Innovative Biomaterials for Orthopedic Tissue Disorders**
Krishna Pramanik, National Institute of Technology, India

Keynote Forum

Sessions **Biodegradable Biomaterials | Biomaterials Applications | Biomaterials in Delivery Systems**

12:10-12:40 **Title: Enhanced Biodegradability of an Fe-Mn Alloy using a Microstructural Approach and by Modifying the Surface with Laser Ablation**
Matjaž Godec, Institute of Metals and Technology, Slovenia

12:40-13:10 **Title: Advanced Engineering of Hydrogels for Wound Dressing and Healing**
Jen Ming Yang, Chang Gung University, Taiwan

13:10-13:15 **Group Photo**
Lunch Break 13:15-14:00 @ Restaurant

14:00-14:30 **Title: Scalable and Cleavable Polysaccharide Nano-Carriers for Gene/Drug Co-Delivery**
Hongjing Dou, Shanghai Jiao Tong University, China

Oral Presentation

Sessions **3D printing of Biomaterials | Biomaterials Applications | Tissue Engineering and Regenerative Medicine | Biomaterials for Therapeutic and Investigative Delivery | Nanomaterials | Bio-based Materials and Sustainability**

Session Chair **Antonio Apicella, University of Campania, Italy**

14:30-14:50 **Title: Customized Biomimetic Dental Implants for Early Bone Regeneration: Combined use of Nano-Diamond Modified Biodegradable Hydrophilic Polymeric Coatings and 3D Sintered Titanium Elasto-Progressive Trabecular Structures**
Antonio Apicella, University of Campania, Italy

14:50-15:10 **Title: Bagasse Sustainable Polymers for Cellulose Hydrogels in their Properties of Tissue Regeneration and Regenerative Medicine**
Takaomi Kobayashi, Nagaoka University of Technology, Japan

15:10-15:30 **Title: Cell/Biomaterials Interaction**
Gianfranco Peluso, IRET-CNR, Italy

Networking & Refreshments Break 15:30-15:45 @ Foyer

15:45-16:05 **Title: Herbal Plant Extract Based Synthesized Metal Nanoparticle Enhances Anti-Tumorpotential**
Pramod Kumar Gautam, All India Institute of Medical Science, India

16:05-16:25 **Title: Evaluation of Biological Additives for Enhanced Durability Properties of in Situ Subsurface Soil**
Santosh Ramchuran, University of KwaZulu Natal, South Africa

16:25-16:45 **Title: Fabrication and Characterization of an AlGaN/AlN/GaN MOS-HEMT Based Biosensor**
C Periasamy, Malaviya National Institute of Technology, India

16:45-17:05 **Title: Effect of Vildagliptin on Differentiation of Adipose_Drived Stem Cells into Insulin _Producing Cells in Three Dimensional Culture Using Nano Hydrogel Scaffold**
Samaneh Karimi, Abadan School of Medical Science, Iran

17:05-17:25 **Title: Medical Biopolymeric Film**
Jalil Kareem Ahmed, University of Babylon, Iraq

Closing the Conference for the Day 1

Day 2 May 14, 2019

Function Room 2

Plenary Session

- 09:00-09:40** **Title: Effects of Nanoparticle Core on Cellular Activities Under the Controlled Shape, Size and Surface Chemistries**
Bing Yan, Shandong University, China
- 09:40-10:20** **Title: Novel Synthetic Approaches to Innovative BioEngineering**
Hala Zreiqat, University of Sydney, Australia

Keynote Session

Sessions Tissue Engineering and Regenerative Medicine | Smart Biomaterials

- 10:20-10:50** **Title: Nature Inspires Smart Materials for Tissue Regeneration**
Anna Tampieri, National Research Council, Institute of Science and Technology for Ceramics, Italy

Networking & Refreshments Break 10:50-11:05 @ Foyer

- 11:05-11:35** **Title: Biomimetic Materials and New Processes to Achieve Porous Scaffolds for Bone Regeneration**
Simone Sprio, National Research Council, Institute of Science and Technology for Ceramics, Italy
- 11:35-12:05** **Title: Smart Biomaterials in Health Care Technology**
Hossein Hosseinkhani, Innovation Center for Advanced Technology, Matrix, Inc., USA

Oral Session

Sessions Biomaterials Applications | Nanomaterials | Biomaterials in Delivery Systems | Biomaterials Engineering

Session Chair Hassane Oudadesse, University of Rennes 1, France

- 12:05-12:25** **Title: Comparison Between Natural and Synthétic Biomaterials for use in Bone Surgery**
Oudadesse Hassane, University of Rennes 1, France
- 12:25-12:45** **Title: Polymer-Free Cyclodextrin Based Nanofibers in Regenerative Medicines**
Bahijja Raimi-Abraham, King's College London, United Kingdom
- 12:45-13:05** **Title: Cholederm: A Porcine Cholecyst-Derived Bioscaffold for Wound Healing**
TV Anilkumar, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India

Lunch Break 13:05-14:00 @ Restaurant

- 14:00-14:20** **Title: Application of Microfluidics in Drug Delivery Systems and Pharmaceutical Manufacturing**
Dawei Ding, MIT Alliance for Research and Technology (SMART), Singapore
- 14:20-14:40** **Title: Metallic Ion Enhancing Antibacterial Activity on Titanium Implants**
Shinn-Jyh Ding, Chung Shan Medical University, Taiwan
- 14:40-15:00** **Title: Nanohybrid Composite from Rice Husk Reinforced with Zirconia: A Histrionic Challenge?**
Noor Huda Ismail, Universiti Sains Malaysia, Malaysia
- 15:00-15:20** **Title: The Effects of G3 PAMAM Dendrimers with Different Terminal Groups on Serum Proteins**
Li Li, Southwest Jiaotong University, China
- 15:20-15:40** **Title: The Use of Ultrasonication for Preparation of Nanoadjuvant Inactivated Rabies Vaccine**
Amany Mohamed Abbas, Researcher, Egypt
- 15:40-16:00** **Title: The uptake of Alzheimer's Disease Imaging Agent in Chitosan Promoted Spheroid Adipose Derived Stem Cells**
Chen Jenn-Tzong, Institute of Nuclear Energy Research, Taiwan

Networking & Refreshments Break 16:00-16:15 @ Foyer

Poster Presentations

- P-001** **Title: Adhesive Coacervate Based on Polyoxometalates and Zwitterionic Amino Acids**
Qiongyao Peng, University of Alberta, Canada
- P-002** **Title: The Effect of Vegf on Proliferation of Eutopic and Ectopic Endometrium**
Sung Tack Oh, Chonnam National University, Korea
- P-003** **Title: Fabrication of Alginate/Honey Scaffolds by 3D Bio-Printing and Studying their Mechanical, Morphological and Cell Viability Properties for In-Situ Skin Tissue Engineering Applications**
Sudipto Datta, IEST, India
- P-004** **Title: Porcine Cholecyst Derived Scaffold as a Cardiac-Patch for Myocardial Repair**
Reshma S Nair, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India

- P-005** **Title: Composite Hydrogels of Cholecystic Extracellular Matrix and Polyethylene Glycol Diacrylate for Skeletal Muscle Tissue Engineering**
Reshmi Raj, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India
- P-006** **Title: Coating of a Porcine Cholecyst Derived Scaffold with Bioactive Molecules Improves Angiogenesis**
Manjula PM, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India
- P-007** **Title: Preparation and Characterisation of an Injectable Hydrogel from Porcine Extracellular Matrix**
Pratheesh KV, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India
- P-008** **Title: 109Cd and 131Cs Radionuclides for Radiotherapy in Biodegrading Biopolymer Granules**
Abdusamad Vasidov, Institute of Nuclear Physics, Uzbekistan Academy Sciences, Uzbekistan
- P-009** **Title: Antimicrobial Peptides for Prevention of Bacterial Biofilm Formation on the Surface of Bone Cement**
Vaclav Cerovsky, Institute of Organic Chemistry and Biochemistry v.v.i., Czech Republic
- P-010** **Title: Biocompatibility of a Novel Ultrahigh-Purity Iron and its Practical Application**
Luqman Khan, Tohoku University, Japan
- P-011** **Title: Tunable Surface Properties of Poly Caprolactone Containing Mesoporous Bioglass Particles Membranes for Bone Tissue Engineering**
Yu-Lun Chiang, Chang Gung University, Taiwan
- P-012** **Title: Engineering Oral Mucosal Polymeric Patches for the Treatment of Childhood on-Set Schizophrenia**
Laura Modica de Mohac, King's College London, UK
- P-013** **Title: Magnesium Alloy-Like Fibers Fabricated Using Electrospinning and Heat Treatment**
Hilal Turkoglu Sasmazel, Atilim University, Turkey

End of the Conference

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2nd Global Congress & Expo on

Biomaterials

May 11-12, 2020 | Manchester, UK