

**(25) Nanomedicine-Tissue Engineering and
Cell Material Interaction**

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(25) Nanomedicine-Tissue Engineering and Cell Material Interaction

DETAILED PROGRAMME

Wednesday : 14-12-2016

Session I : 10.15-11.45

10.15-10.45 Invited Talk (1)	<u>Aasheesh Srivastava</u>	ABS-Email-ICYRAM Hydrogels and Cell-Permeating Biodegradable Polymers for Improving Efficacy of Anti-Cancer Drugs
10.45-11.15 Invited Talk (2)	<u>Sangita Roy</u>	ABS-Email-ICYRAM Development of Bio-inspired Hydrogels for Tissue Regeneration
11.15-11.30 Oral (1)	<u>K Malhotra</u> S Shankar R Rai, Y Singh	ABS-408-ICYRAM Broad spectrum antibacterial activities of self-assembled $\alpha\gamma$ -hybrid peptide gels
11.30-11.45 Oral (2)	<u>Nidhi Gupta</u> Deenan Santhiya	ABS-647-ICYRAM Role of organic templates in textural designing of bioactive glass

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Session II : 10.15-11.45

10.15-10.45 Invited Talk (3)	<u>Yuki Shiroaki</u> Satoshi Hayakawa Akiyoshi Osaka	ABS-Email-ICYRAM The Effect of Silica and Siloxane Network for Osteoblast Behavior and Tissue Regeneration
10.45-11.00 Oral (3)	<u>Yogendra Pratap Singh</u> Nandana Bhardwaj Biman B Mandal	ABS-439-ICYRAM Potential of Agarose/Silk Fibroin Blended Hydrogel for In Vitro Cartilage Tissue Engineering
11.00-11.15 Oral (4)	<u>Nidhi Pal</u> Kaushik Pal	ABS-495-ICYRAM Incorporation of TEMPO-oxidized cellulose nanocrystals and reduced graphene oxide in poly-lactic acid nanocomposite film as a scaffold in tissue engineering
11.15-11.30 Oral (5)	<u>Farhan Ahmad Shamim</u> Kaushik Pal	ABS-496-ICYRAM In vitro degradation, cytotoxicity, and mechanical properties of friction stir processed Mg-Nd-Zn-Zr alloy for biomedical application
11.30-11.45 Oral (6)	<u>Dhaval Kedaria</u> Rajesh Vasita	ABS-528-ICYRAM Oxidized dextran based hydrogel induced 3D tumor formation: An in vitro 3D cell culture model for drug

		screening assay
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Session III : 12.00-13.15

12.00-12.30 Invited Talk (4)	<u>Superb Mishra</u>	ABS-Email-ICYRAM
12.30-12.45 Oral (7)	<u>Paromita Kundu</u> Andreea Belu Elmar Neumann Dirk Mayer Andreas Offenhaeusser	ABS-532-ICYRAM Stable 3D Au-SiO ₂ Nanohybrid for Neuroengineering
12.45-13.00 Oral (8)	<u>Sasmita Majhi</u> Abhijit Mishra	ABS-543-ICYRAM Developing self-disinfecting surface coatings using designed antimicrobial peptides
13.00-13.15 Oral (9)	<u>Dhwani Jhala</u> Hilal A. Rather Rajesh Vasita	ABS-555-ICYRAM PCL-chitosan nanofibers induced cell morphological changes promote early osteogenic differentiation

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Session IV : 14.15-15.15

14.15-14.30 Oral (10)	<u>G. Priya</u> B. Madhan, U. Narendra Kumar , I. Manjubala	ABS-600-ICYRAM Fabrication of porous composite scaffold for tissue engineering application
14.30-14.45 Oral (11)	<u>Deenan Santhiya</u>	ABS-646-ICYRAM Mechanical properties of nanobioactive glass materials
14.45-15.00 Oral (12)	<u>Mohan Vedhanayagam</u> Balachandran Unni Nair Kalarical Janardhanan Sreeram	ABS-434-ICYRAM Collagen Scaffolds for Extracellular Matrices: Role of Nanoparticle and Nanoparticle Morphology
15.00-15.15 Oral (13)	<u>Subhomoy Chatterjee</u> Anupam Purwar Bikramjit Basu	ABS-721-ICYRAM Modelling of Bone Behaviour under different Loading conditions using Finite Element Analysis

Poster Session

Thursday : 15-12-2016 : Time : 14.15-17.15

25-Poster -01	S Logesh Kumar	ABS-22-ICYRAM Development and Characterization of Keratin based Biofilm from bovine hair waste for Tissue Engineering Application
25-Poster -02	Soumyashree Dhal Kunal Pal Supratim Giri	ABS-72-ICYRAM Fabrication of magnetite nanoparticle doped organogels as a novel iontophoretic drug delivery platform
25-Poster -03	Monidipa Konar Basanti Ekka, Aniket Kumar Priyabrat Dash Monalisa Mishra Harekrushna Sahoo	ABS-155-ICYRAM Assessment of three different nanoparticle-based dental fillers against novel chromogenic bacteria <i>Enterobacter ludwigii</i> .
25-Poster -04	Mousumi Beto Ranajoy Mullick , Uma Reddy Saumitra Das Ashok M. Raichur	ABS-235-ICYRAM Galactose functionalized mesoporous silica nanoparticles as a delivery system in the treatment of Hepatitis C infection
25-Poster -05	Balasaheb B. Chandanshive Aanshu Deokuliar Ratnesh Jain Deepa Khushalani	ABS-295-ICYRAM In-vitro studies of drug-loaded Hydroxyapatite Nanostructures – Morphology controls Efficacy
25-Poster -06	Anurup Mukhopadhyay Monika Rajput Rabibrata Mukherjee Provas Banerjee Jyotirmoy Chatterjee	ABS-350-ICYRAM Honey Embedded Dual Cross-linked Sodium Alginate Hydrogel for Wound Healing and Soft Tissue Engineering Application
25-Poster -07	Niladri Sarkar Sarat K Swain	ABS-355-ICYRAM Aloe vera leaf derived luminescent carbon dots for pH dependent controlled delivery of vancomycin
25-Poster -08	Balmiki Kumar Subhankar Kundu Supratim Giri	ABS-359-ICYRAM Enhanced photodynamic therapy through near infrared activation of white light emitting upconversion core-silica shell based nanomaterials
25-Poster -09	Chaitali dey , Arup Ghosh, Madhuri Mandal Ajay Ghosh, Kalyan Mandal	ABS-418-ICYRAM Investigation of stimuli responsive drug delivery by cobalt ferrite magnetic nanoparticles using hyperthermia technique

25-Poster -10	Bibhas K Bhunia Biman B Mandal	ABS-440-ICYRAM A novel strategy to develop silk based multilayered disc-like angle-ply construct to recapitulate form and function of annulus fibrosus
25-Poster -11	Shreya Mehrotra Nandana Bhardwaj Samit K Nandi Biman B Mandal	ABS-441-ICYRAM Biomimetic Mulberry and Non-mulberry Silk Sheets for Cardiac Patch Applications
25-Poster -12	Poornima Dubey P Gopinath	ABS-488-ICYRAM Fabrication and characterization of honey based scaffold for tissue engineering application
25-Poster -13	Rajeet Chandan Rinti Banerjee	ABS-565-ICYRAM Lipo-polymeric drug delivery platform for posterior segment of the eye: effect of surface charge and mucoadhesiveness
25-Poster -14	N Sriraman P Bhagat Singh S Kumaran	ABS-586-ICYRAM Thermo-mechanically processed Biological Properties of Mg-5Li-0.5Ca alloy in Simulated Body Fluid
25-Poster -15	Poulami Basu Alexandros Repanas Birgit Glasmacher U Narendra Kumar I Manjubala	ABS-595-ICYRAM Fabrication and efficacy of PEO and CMC/ PEO nanofibrous scaffolds for soft tissue engineering applications
25-Poster -16	V.H. Arkin U. Narendra Kumar I. Manjubala	ABS-601-ICYRAM Calcium phosphate cements for dental and orthopaedic application
25-Poster -17	Gobi Saravanan Kaliaraj Kamalan Kirubaharan G Pradhaban, Vinita Vishwakarma	ABS-663-ICYRAM Isolation and characterization of biogenic calcium carbonate/phosphate from oral bacteria and their adhesion studies on YSZ-coated titanium substrate for dental implant application
25-Poster -18	Kannapiran Rajendrakumar A Ramu	ABS-694-ICYRAM Iron from Moringa oleifera (Drumstick leaves) Extract Catalyzed Controlled Radical Polymerization of N-isopropylmethacrylamide (NIPAM)
25-Poster-19	Sakshi Chauhan S.A. Khan Anamika Prasad	ABS-Email-ICYRAM Influence of ECRT on Biomechanical and Compositional Properties of Resected Human Bone of MBT Patients

