

POSTER INTERACTIVE SESSION

October 11, 2018

Poster Session I

16:40-18:40

SI No	Code No	Aerospace Material - AEMAT
1	AEMAT P 01	Space Durable Polyimide-Silicone Hybrids K. Indulekha, Pooja Narayanan, R. S. Rajeev, Dona Mathew
2	AEMAT P 02	Dimensional Effect of Nano Suspension on the Rheology of Hydroxyl Terminated Polybutadiene Ravishankar PM, Raneesh Konnola, Kuruvilla Joseph, Ranganathan V
3	AEMAT P 03	Hydrophobic Rare Earth Based Glaze Coatings for Aerospace Applications Sheemol V N, Peer Mohamed, S. Ananthakumar

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SI No	Code No	Composite Material - COMAT
1	COMAT P 01	Improved Interfacial Interaction of Graphene Oxide Reinforced Epoxy Composite Abhishek K. Pathak, Sanjay R. Dhakate
2	COMAT P 02	Self-Assembled Vesicles of Polymer Nanocomposites Anju P, Prasad V.S.
3	COMAT P 03	Development of High Performance Phenolic Based Ablative Nanocomposites for Space Applications Bharathi Bandi, Kuruvilla Joseph, Usha K M, Mohankumar L, Asha L R
4	COMAT P 04	Multipurpose Microporous Membranes of Polypropylene with Different Nanofillers: Effect on Morphology, Thermal, Mechanical and Wetting Properties Bicy K, Anu Paul P, Nandakumar Kalarikkal, Arul Manuel Stephen, Geethamma V G, Didier Rouxel, Sabu Thomas
5	COMAT P 05	Reduced Graphene Oxide/PEDOT:PSS Composites for Transparent Electrode Applications in Thin Film Organic Photovoltaics B V R S Subramanyam, J Raiguru, P C mahakul, K S, S Saha, B Das, P Mahanandia
6	COMAT P 06	Carbon Composite Foam High Thermal Insulation from Newspaper Waste and Sucrose Chithra, A, Praveen Wilson, Sujith Vijayan, R. Rajeev and K. Prabhakaran

7	COMAT P 07	Organogel-Derived Covalent–Noncovalent Hybrid Polymers as Alkali Metal-Ion Scavengers for Partial Deionization of Water Annamalai Prathap, Cijil Raju, Kana M. Sureshan
8	COMAT P 08	Magnetically Recyclable Pd-Γ-Fe₂O₃ nanocomposites as a Catalyst for Suzuki-Miyaura Cross Coupling Reaction in Water Dipankar Paul, Siddheswar Rudra, Parbin Rahman, Mukul Pradhan, Paresh Nath Chatterjee
9	COMAT P 09	Polymer Mediated Colloidal TiO₂ Hybrid Nanocoatings on Cotton Fabrics for NIR Reflective Cool-Textiles Elias Assayehegn, Daneesh Yesodharan, Ananthakumar Solaiappan, Yonas Chebudie, Esayas Alemayehu
10	COMAT P 10	Development of Bio-Based Polymer Composite from Epoxidised Soybean Oil and Chicken Feather Fiber Gitashree gogoi, Tarun K. Maji
11	COMAT P 11	Synthesis of Tellurium Nanowires (Te-Nws) and Decorated with SnO₂ Nanoparticles for Electronics Application Kamal Kumar Meena, Shruti Sharma, Lakshay Soni
12	COMAT P 12	One Pot Wet Chemical Method for the Synthesis of CdS Decorated CuS Microflowers for Photocatalytic Degradation of Organic Contaminants Manzoor Ahmad pandit, Billakanti Srinivas and K.Muralidharan
13	COMAT P 13	Enhancement in Microstructure and Mechanical Properties of IF Steel for Automobile Application Monika Gautam, Sadhan Ghosh, Monika Gautam
14	COMAT P 14	Study on the Properties of Wood Polymer Composites using Rosin Derivatives as Co-Monomer Moon Mandal, Tarun K Maji

15	COMAT P 15	Controlling the Microstructure of Poly (Vinylidene fluoride)/Functionalised Single Walled Carbon Nanotube Based Nanocomposites Through Different Processing Conditions Rinu Elizabeth Roy, S Bhuvaneswari S, R. S. Rajeev
16	COMAT P 16	Silica-Graphite Reinforced Rubber Composites Jibin K P, Prajitha V, Sabu Thomas
17	COMAT P 17	Optimization of the Matrix Content for Efficient Performance of Carbon Fiber Based Composites for PEMFC Sadiya Waseem, A.K. Sahu, S.R. Dhakate, Priyanka Heda Maheshwari
18	COMAT P 18	Development and Evaluation of Betel Nut Filler Based Composite in a Matrix of ABS and Polycarbonate for Mechanical Characteristics V. K. Lakshmeesh, B. Y. Deepak, P. Sampath Kumaran, G. J. Naveen, M.V. Deepthi, R.R.N. Sailaja Bhattacharya, A. Sathyanarayana Swamy, S. Seetharamu
19	COMAT P 19	Carbon Fabric Reinforced Epoxy Composites (CECs) Filled with Solid Lubricants- Mechanical and Tribological Features Dr. S. Mahesh, K.Balaji, Shoy Joseph, P.B, Soumyamol, Ben Jacob, Siby Joseph, Dr. Dona Mathew
20	COMAT P 20	Preparation and Characterisation of PDMS Composites Reinforced with Mixed Oxides Aswathy M. Nair, Srinivas Chinthalapalli, Sadhana R., Rajeev R
21	COMAT P 21	Study on Yttria/Alumina Nanocomposite System for their Applications as Infrared Transparent Ceramic Window Material Steffy Maria Jose, Swapna Y.V, C.T Mathew, Jijimon K.Thomas
22	COMAT P 22	[Dsim]₂[NiCl₄]@HZSM-5 Composites as Visible-Light Induced Heterogeneous Photocatalyst for Advanced Oxidation Process Susmita Saikia, Pinky Gogoi, Ruli Borah

23	COMAT P 23	Graphitic Carbon Nitride Based Adsorptive Photocatalyst for Organic Pollutant Degradation Suyana P., Minju Thomas, Balagopal N. Nair, A. Peer Mohamed, K. G. K. Warriar, U. S. Hareesh
24	COMAT P 24	Morphology and Mechanical Properties of Carbon Black Filled Natural Rubber /Polybutadiene Rubber Blends Abitha V K, Sabu Thomas
25	COMAT P 25	Effective Reinforcement of Polyvinylidene Fluoride with Carbon Black and $\text{Sr}_3\text{YCo}_4\text{O}_{10+\Delta}$ for Prominent Microwave Absorption Vidhya Lalan, Subodh G
26	COMAT P 26	Effect of Natamycin Loaded Carraenan Composite Film Based Packaging on Storage Stability of Fresh Meat Vishnuvarthanan M
27	COMAT P 27	Melting and Solidification Characteristics for Thermal Energy Storage Applications –A computational study Santosh C, Veershetty G, Arumuga Perumal D

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SI No	Code No	Electronic Material- EMAT
1	EMAT P 01	Sugarcane Derived Conductive Carbon Aerogel for Suppressing Electromagnetic Radiations in X band Avinash R. Pai_, Deepu A Gopakumar, Vishnu Arumughan , Daniel Paequini , Nandakumar Kalarikkal , Sabu Thomas
2	EMAT P 02	Perovskite Based Thick Film Magneto-Electric Heterostructures Using Screen Printing Technique D. R. Lekshmi, Sneha Joy, Dr. K. P. Surendran
3	EMAT P 03	Co-Substitution: A Means for Unlocking New Possibilities in Solids K.C.James Raju, Mehmoud Saleh Alkathy
4	EMAT P 04	Y₂SiO₅:Eu³⁺ Phosphor: Dependence of Luminescence on Crystal Structure Kanchan Upadhyay, Sabu Thomas, Raunak Kumar Tamrakar, Praveen G L, Nandakumar Kalarikkal
5	EMAT P 05	Tunable Neel Temperature of Ternary Ni_{1-x}Co_xO Solid Solutions for Antiferromagnetic Spintronic Device Applications Kiran Baraik, Ashok Bhakar, Velaga Srihari, Indranil Bhaumik, A. K. Karnal, Tapas Ganguli and S. D. Singh
6	EMAT P 06	Alternating Current Driven Field Induced Electroluminescent Devices (ACFIED) with Novel Emissive Layers Likhin M, Vijith K P, Dr. Manoj A.G Namboothiry

7	EMAT P 07	Surface Energy Calculation of SnO₂:F Thin Films Deposited by Aerosol Based Chemical Vapor Technique R. Majumder, R. Ghosh, M.P.Chowdhury
8	EMAT P 08	Studies on the Influence of Gate Dielectric on the Performance of Organic Field-Effect Transistors: Effect of Solvent Polarity Rajeev V R, Sradha. S. Pillai, Narayanan Unni K. N
9	EMAT P 09	Fabrication of Micro-strip Patch Antennas on an LTCC substrate Raji George , C R S Kumar , S A Gangal
10	EMAT P 10	Aqueous Tape Casting of Alumina Based Compositions for HTCC and LTCC Applications Sabitha Ann Jose, K.A. Krishna Kumar, K.P. Surendran
11	EMAT P 11	Accelerated Life Testing for Reliability Wearout Mechanisms in 180 nm CMOS Microelectronic Devices Shammi Verma
12	EMAT P 12	Investigations on the Optical, Thermal, Electrical and Piezoelectric Properties of Organometallic Bis Thiourea Cadmium Chloride (BTCC) Single Crystals Sreekanth G, Prince Thomas, Ginson P Joseph

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SI No	Code No	Energy Storage/Conversion Materials - EGMAT
1	EGMAT P 01	Fabrication of Slanted and Zigzag Silicon Nanowires Using Metal Assisted Chemical Etching Adhila T.K. and Harish C. Barshilia
2	EGMAT P 02	Graphene Quantum Dots Activated Photo-absorption and Photo-current in TiO₂ Nanoparticle Films Sreelekshmi V K, Aditya Ashok, Shantikumar V. Nair and Mariyappan Shanmugam
3	EGMAT P 03	Effect of Trapping, De-trapping Mediated Charge Transport on Hysteresis Behavior of SnO₂ Nanoplatelets Based Dye Sensitized Solar Cell Aditya Ashok, Harigovind Menon, Sreelekshmi Vimal Kumar, Shantikumar V. Nair and Mariyappan Shanmugam
4	EGMAT P 04	Spray Pyrolysis Coated CdTe on a-Silicon for Heterojunction Solar Cell Application Aditya Ashok, Vijayaraghavan S.N, Kulandai Velu Ramanathan, Shantikumar V. Nair and Mariyappan Shanmugam
5	EGMAT P 05	Polytetraflouroethylene Coated Carbon Cloth as an Efficient Sulfur Immobiliser for Room Temperature Sodium-Sulfur Battery Ajay Piriya V.S, Kamaraj M, Ramaprabhu S
6	EGMAT P 06	Surface Engineered Si-SiO Composite Electrodes for Cost-Effective Li-ion Batteries Ann Susan Jose, Binitha Gangaja, Shantikumar Nair and Dhamodaran Santhanagopalan

7	EGMAT P 07	Amorphous Molybdenum Oxide Thin-Films for Lithium ion Battery Applications Anto P Varghese, Shantikumar Nair, Dhamodaran Santhanagopalan
8	EGMAT P 08	High Performance Solid State Asymmetric Supercapacitor using chemically synthesized 3D Nanoflower of CuCo_2O_4 and Nanospheres of $\alpha\text{-Fe}_2\text{O}_3$ A.A. Yadav, Y.M. Hunge, S.B. Kulkarni
9	EGMAT P 09	Few-layered Sb_2Te_3 nanoflakes and their Graphene Composites as Anode material for Sodium-Ion Batteries Ashish Raj, K. P. Lakshmi, T. V. Vineesh and M. M. Shaijumon
10	EGMAT P 10	Preparation of Polyaniline/TiO_2 nanocomposite and investigation of its electrochemical activity as anode material for supercapacitor Athira A R, Vimuna V M , Xavier T S
11	EGMAT P 11	$(\text{TiCoSb})_{1-x}(\text{ZnO})_x$ half-Hesuler nanocomposites for Thermopower Switching Avinash Vishwakarma, Sivaiah Bathula, Nagendra S. Chauhan, Bhasker Gahtori and Ajay Dhar
12	EGMAT P 12	Layered Sodium Titanium Oxide Hydroxide Based Electrodes for Na-ion Hybrid Capacitor Binson Babu and M. M. Shaijumon
13	EGMAT P 13	Polyoxometalate Supported Bis(bpy)mono(aqua)Ni(II) Coordination Complex: an Efficient Electrocatalyst for Water Oxidation Chandani Singh, Subhabrata Mukhopadhyay, Samar K. Das
14	EGMAT P 14	Synthesis and Properties of Novel Sulfonated Poly (oxymide) SPOI Membranes Bearing Quinoline Pendant Groups as Side Chains for PEM - Fuel Cell Applications Cheluri Nagendra Prasad, Tharanikkarasu Kannan
15	EGMAT P 15	Capping Black Phosphorene by h-BN Enhances Performances in Anodes for Li and Na-Ion Batteries Chandra Chowdhury, Ayan Datta

16	EGMAT P 16	Interfacial Properties of Silicon Anode With Non-Aqueous Electrolyte Containing Different Additives for Lithium-Sulfur Batteries Deepa Elizabeth Mathew, Sabu Thomas, A. Manuel Stephan
17	EGMAT P 17	Realization of 1D nanostructures on In:ZnO thin films Devika Mahesh, M. C. Santhosh Kumar
18	EGMAT P 18	Studies on Atomically Thin MoS₂ Mediated Charge Transport in Dye Sensitized Solar Cells Gopika Gopakumar, Harigovind Menon, Aditya Ashok, Shantikumar V. Nair and Mariyappan Shanmugam
19	EGMAT P 19	Titanium Carbide and Nitrogen doped Carbon Nanocomposite electrocatalyst for Efficient Oxygen Electoreduction Haridas B. Parse, Indrajit Patil and Bhalchandra Kakade
20	EGMAT P 20	Functional Separator as an Effective Ionic Shield for Polysulfides Towards High Performance Li-S Batteries Haritha H. and Mary Gladis J
21	EGMAT P 21	TEM Investigation on the Synthesis of Magnesium Nanowires for Hydrogen Storage Haritha V S and Gopi Krishnan
22	EGMAT P 22	Polymer Nanocomposite Materials for Thermoelectric Applications I.Vijitha, C. Vijayakumar Nair, Biswapriya Deb
23	EGMAT P 23	Ultrafast Dynamics in Co-sensitized Photocatalyst under Visible and NIR Light Irradiation Jayita Patwari, Samir Kumar Pal
24	EGMAT P 24	Antimony oxychloride/Graphene Aerogel as Cathode Material for Chloride Ion Batteries K P Lakshmi, K J Janas, M M Shaijumon
25	EGMAT P 25	Fe, N Doped Porous Carbon Derived from Metal Organic Gel-Melamine Formaldehyde Interpenetrating Networks as Highly Efficient Durable Electrocatalyst for Fuel Cells K. Shijina, R. Illathvalappil, N. S. Sumitha, G. S. Sailaja, S. Kurungot, Balagopal N. Nair, A. Peer Mohamed and U. S. Hareesh

26	EGMAT P 26	Dual Characteristics of Three Dimensional NiS/MWCN Microstructure in Oxygen Evolution Reaction and Supercapacitor Applications K.Prabakaran, Moorthi Lokanathan and Bhalchandra Kakade
27	EGMAT P 27	Ti₃C₂ MXene Based Hybrid Nanostructures for Energy Storage Applications K.V. Mahesh, Subbiah Alwarappan
28	EGMAT P 28	Linear Oligomeric Alkyloxyterphenylene Dicyanomethyl Biradicals: Dynamic Covalent Self-Assembly Kabali Senthilkumar, Marcin Stępień
29	EGMAT P 29	Enhancement in Thermoelectric Performance of ZrNiSn by the Tuning of Ni Concentration and Synthesis Parameters Kishor Kumar Johari, Ruchi Bhardwaj, B. Gahtori, Nagendra S. Chauhan, Avinash Vishwakarma, B. Sivaiah and Ajay Dhar
30	EGMAT P 30	Double Doping Induced Power Factor Enhancement in CuCrO₂ for High Temperature Thermoelectric Application Krishnendu Biswas and Ramesh Manickam
31	EGMAT P 31	Studies on Spray Pyrolysis Processed CdS Thin Films for CdTe Solar Cell Application Kulandai Velu Ramanathan, Aditya Ashok, Shantikumar V. Nair and Mariyappan Shanmugam
32	EGMAT P 32	Silicon Carbide (SiC) Thin Film on Silicon (Si) - A Novel Material for Energy Storage Kusumita Kundu, Ashok Ranjan, N. Eshwara. Prasad , Rajat Banerjee
33	EGMAT P 33	Molecular Design and Theoretical Investigation of Novel Phenothiazine Based Organic Dyes with D-A-π-A Configuration as Photosensitizers for DSSC Application Madhukara Acharya, Praveen Naik, Airody Vasudeva Adhikari
34	EGMAT P 34	Study of Structural, Morphological and Optical properties of Nanostructured Sodium doped Tin Selenide crystals Manjula Nerella, B.Sobha

35	EGMAT P 35	High Performance Supercapacitors Based on a Robust Cu-MOF/rGO Hybrid Mohit Saraf, Richa Rajak, Shaikh M. Mobin
36	EGMAT P 36	Li_{1.2}Mn_{0.54}Co_{0.13}Ni_{0.13}O₂- MnO₂ High Energy Density Cathode Material with Controlled Initial Coulombic Efficiency for Li Ion Battery Application Murugan Vivekanantha, Chenrayan Senthil, T Kesavan, T Partheeban, Manickam Sasidharan
37	EGMAT P 37	Effect of Graphene Oxide on the Properties of Poly Aniline Composites for Supercapacitor Application Nagaraju Macherla, Kusum Kumari, Ram Gopal Reddy Lekkala
38	EGMAT P 38	Nitrogen and Oxygen Co-doped Porous Carbon from Covalent Organic Framework for Supercapacitive Applications Namrata Deka and Gitish K. Dutta
39	EGMAT P 39	Synthesis of Stable Mixed Metal Halide Perovskites: Structure and Optical Properties Nisha Balachandran, Temina Mary Robert, Jayalatha T., Jobin Cyriac, Dona Mathew
40	EGMAT P 40	Nanorice-like Structure of Carbon Doped Hexagonal Boron Nitride as an Efficient Metal-Free Catalyst for Oxygen Electoreduction Phiralang Marbaniang, Bhalchandra Kakade
41	EGMAT P 41	Electrophoretically Deposited WS₂/WO_x Lateral Heterostructures for Hydrogen Evolution Reaction Prasad V Sarma, Thazheveetil Vineesh, Vishnu Sreepal, Manikoth M Shaijumon
42	EGMAT P 42	Synthesis, Characterization and Electrochemical Capacitance Performance of 2D- Ni/Al Layered double hydroxide Praveena Prabhakaran, Biny R. Wiston , M. Ashok
43	EGMAT P 43	Influence of Solution Concentration on Physical and Electrochemical Properties of Spray Deposited Vanadium Oxide Thin Film Electrodes: Supercapacitor Application R. S. Ingole, S. L. Kadam, R. C. Ambare, B. J. Lokhande

44	EGMAT P 44	Comparison of Anchoring Properties of Acid and Nitro Groups on the Photovoltaic Performance of Diphenylamine Based Dyes for Dye Sensitized Solar Cells Rajalakshmi K ,Islam M. Abdellah , Ahmed El-Shafei, Airody Vasudeva Adhikari
45	EGMAT P 45	Functionalized Phosphorene Quantum Dots as Efficient Electrocatalyst for Oxygen Evolution Reaction Ranjith P, Vineesh T V, Athira Anil, M.M.Shaijumon
46	EGMAT P 46	Giant Enhancement in Thermoelectric Performance of Se doped CoSb₃ Skutterudites Ruchi Bhardwaj, Kishor Kumar Johari, B. Gahtori, Nagendra S. Chauhan, Avinash Vishwakarma, B. Sivaiah and Ajay Dhar
47	EGMAT P 47	Hydrothermally Synthesized RGO as an Electrode Material For Supercapacitor Application S. L. Kadam, R.S. Ingole, A.A.Yadav, S. B. Kulkarni
48	EGMAT P 48	Polyoxomolybdate@Graphite Oxide Composite for Oxygen Reduction Reaction Sagar B. Ingavale, Bhalchandra Kakade, Anita Swami
49	EGMAT P 49	Luminescence Dynamics in Calcium titanate Based Perovskite Phosphors Sajesh Sasidharan, Sameera.S, K.G.Gopchandran
50	EGMAT P 50	High IR reflecting pigment based on yttrium doped lithium bismuth niobate for energy saving applications Sameera S, Viji Vidyadharan, Sajesh Sasidharan, K.G Gopchandran
51	EGMAT P 51	Ternary Composite Cathodes for Better Performing Lithium-Sulfur Batteries Shruti Suriyakumar, A. Manuel Stephan
52	EGMAT P 52	Anatase TiO₂ Nanoparticle Anode Based Full-Cell Li-ion Battery Silpasree S J, Binitha G, Shantikumar Nair and Dhamodaran S

53	EGMAT P 53	Study of Interfacial Charge Transfer Kinetics at Electrode-Electrolyte Interface of BiVO₄: A SECM Approach Sriram Kumar and Ashis Kumar Satpati
54	EGMAT P 54	Plasmonic Ag-Nb₂O₅ Energy Layer on Quantum Confined SnO₂ Films for High Current Dye-Sensitized Solar Cell Applications Suresh S, Gautam E. Unni, Dr. V. P Mahadevan Pillai
55	EGMAT P 55	High Performance Stretchable Solid State Supercapacitors Based on Polyaniline-Molybdenum Disulphide-PDMS nanocomposite. Surya Suma Kuttan, A. Aashish, Sudha J Devaki, Saju Pillai, U.S. Hareesh
56	EGMAT P 56	Structural and Electrochemical Characterization of ZnO Coated NiFe₂O₄ Based Composite Anodes for Li ion Batteries T. Mani Chandran, M. Ananda Kumar, S. Balaji
57	EGMAT P 57	PVP Assisted Synthesis of LiV₃O₈ Nanorods as High Performance Cathode Materials for Li-ion Battery Thamodaran Partheeban, Thangaian Kesavan, Chenrayan Senthil, Murugan Vivekanantha, Manickam Sasidharan
58	EGMAT P 58	Mesoporous Carbon Incorporated FeF₃ Nanocomposite as Cathode Material for Li-ion Batteries Thangaian Kesavan, Praneash Venkatachalam, Manickam Sasidharan
59	EGMAT P 59	Electrocatalytic Activity of Cobalt Phosphide Flowers Anchored N-Doped Reduced Graphene Oxide Thazhe Veettil Vineesh, Haritha Janardhanan, Jyothish Raj, Manikoth. M. Shaijumon
60	EGMAT P 60	Effect of Nitridation on Combustion Synthesized Chromium Oxide as Novel Electrode Material for Supercapacitors U. Naveen Kumar, M.V.S.S Raghunath Sharma, Tiju Thomas
61	EGMAT P 61	Luminescence Properties of Zinc Tungstate Phosphor Synthesized by Precipitation Technique

		V. Sivakumar D. Sivaganesh, S. Saravanakumar and J. Nadhagopal
62	EGMAT P 62	Nitrogen Doped Graphene-Molybdenum Oxide Hybrid Electro-Catalysts for Hydrogen Evolution Reaction (HER) V.P. Akhin, T. Maiyalagan
63	EGMAT P 63	Synthesis and Tuning of Ni Incorporated Nitrogen Doped Porous Carbon from Ni/Zn ZIF-8 Based Structures for Enhanced Electrocatalytic Applications Vaishna Priya K, Minju Thomas, Shijina K, Malavika G K, A. Peer Mohamed, Balagopal N. Nair, U.S Hareesh
64	EGMAT P 64	Influence of Thermal Ageing on the Phase Stability of $\text{Sc}_2\text{O}_3\text{-ZrO}_2$ co-doped with Yb_2O_3 Vandana Shukla, Anandh Subramaniam, Kantesh Balani and Shobit Omar
65	EGMAT P 65	Photoluminescence properties of $\text{Li}_4\text{Ti}_5\text{O}_{12}$: Eu^{3+} Reddish Orange Phosphors Viji Vidyadharan, S Sameera and K. G. Gopchandran
66	EGMAT P 66	Preparation of Graphene Oxide- MnO_2 Nanocomposites from MnCO_3 Microspheres and Their Application in Electrochemical Supercapacitors Vimuna V.M , Athira A.R, Xavier T.S
67	EGMAT P 67	Energy Conversion and Storage Characteristics of Salt Hydrates Towards Thermochemical Energy Storage Applications Ankammarao Padamurthy, Jalaiah Nandanavanam, Parameshwaran Rajagopalan
68	EGMAT P 68	Preparation and characterization of BaSnO_3 thin films using different laser energies Jibi John , Chalana S.R and V.P Mahadevan Pillai

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Sl No	Code No	Biomaterial - BMAT
1	BMAT P 01	Improving Copper T 380A by Controlling Copper Ion Release Using a Biodegradable Polymer Amrutha C, Reshmi Ramakrishnan, Dr. Abi Santhosh Aprem
2	BMAT P 02	Investigations on MgO Influence in Altering Elastic Moduli, Dissolution Property and In vitro Characteristics of Phosphate Bioactive Glasses Aravindan Samickannian, A. Nishara Begum, V. Rajendran
3	BMAT P 03	A Potential Antibacterial for Drug Resistant Pathogens: Designed to Kill Pathogenic Bacteria by Membrane Damage, Insertion and Cell DNA Cleavage Deepak Bains, Gagandeep Singh, Narinder Singh
4	BMAT P 04	Delivery of Contraceptive Drug Combinations from Electrospun Nanofiber Microstructures Diksha Painuly, Nisha U, Sangeeth Krishnan
5	BMAT P 05	Cotton Derived Iron Doped Carbon Fiber – A Sustainable Adsorbent for Perchlorate Removal from Water Jayalatha T, Deepthi L Sivadas, Amritha, R Radhikaa, Salu Jacob, R Rajeeva
6	BMAT P 06	Development of a New Bioactive Variant of Silicate-Based Cement Modified with Monetite for Dental Root Repair K.V. Nishad, Manoj Komath, G. Unnikrishnan

7	BMAT P 07	Development and In vitro Characterization of the ZnO-Na₂O-CaO-SiO₂-P₂O₅ Bioactive Glass System M.Mohan Babu, V. Hima maheswara Rao, P. Syam Prasad
8	BMAT P 08	Processing and Understanding the Mechanical and Bio-Corrosion Behaviour of Lightweight Single Phase Mg-4Li-Ca alloy N. Sriramana, P. Bhagat singha, S.Kumaran
9	BMAT P 09	Selective Bioimaging with Diaminodicyanoquinodimethanes: Insight into the Molecular Level Interactions N.Senthilnathan, T. P. Radhakrishnan
10	BMAT P 10	Development and Characterization of Chitosan Coated Ferrous Sulphate Microparticles for Treating Anaemia Rahul B S, Sneha Letha S, Rosemary M J
11	BMAT P 11	Different Nanostructures in Neural Tissue Engineering Raj Kumar, Michal Marcus, Vijay Bhooshan Kumar, Aharon Gedanken, Orit Shefi
12	BMAT P 12	Synthesis, Biological Screening and Molecular Docking Studies of Novel 2-chloro-6-methoxy quinoline-triazole Based Compounds Rajkumar R, Udayakumar D
13	BMAT P 13	Synthesis of Polysubstituted Pyrazole via Transient Zwitter ion Based Multicomponent Reactions Rasmi Bhaskaran P, Megha Murali, Beneesh P B
14	BMAT P 14	Encapsulation of Iron by Chitosan-Montmorillonite Nanocomposite for Phosphate Adsorption Sandhya Sudhakaran, Elezabeth V. Abraham, P.R. Amruthaa, Harsha Mahadevan, K. Anoop Krishnan
15	BMAT P 15	A Supported Bilayer Lipid Membrane Based Enzyme Assay for Organophosphate Pesticides Detection Sudarshan Gogoi, Panchanan Puzari
16	BMAT P 16	Metal Chelates of Uracil Based Azo Derivative for Cytotoxicity Studies and Fluorescence Imaging

		Surya Philip, K. Mohanan
17	BMAT P 17	Synthesis and Antifungal Activities of Some New [1,2,4]-triazolo[3,2-c]1,3,5-thiadiazine-3,3-dioxide Derivatives Susanta kumar Borthakur
18	BMAT P 18	Synthesis and Biological Studies of Macrocyclic Transition Metal Complexes Vikas Sangwan and D.P. Singh
19	BMAT P 19	Novel Shell Nacre Containing Bio-Resin Based Composites for Hard Tissue Replacements W. Bridget Jeyatha, Lizymol P.P
20	BMAT P 20	Tin Compound Stabilised Polyvinyl Chloride as Positive Control for Cytotoxicity Evaluation Arun Raju, Arumugham V, Rajesh R P, Ramesh P, Leena Joseph

POSTER INTERACTIVE SESSION

October 12, 2018

Poster Session II

16:45-18:45

Sl No	Code No	Ceramic Materials - CMAT
1	CMAT P 01	Synthesis of Titanium Nitride from Rutile Titania through Transferred Arc Plasma Reactor A. Kuberan, S. Manikanda, S. Yugeswaran, P.V. Ananthapadmanabhan
2	CMAT P 02	Study of Thermal and Photo-Luminescent Properties of Europium doped Barium Boro-Tellurite Glasses Amarjot Kaur, Atul Khanna
3	CMAT P 03	Evaluation of Sintering Kinetics of Sub-Micron Alumina (Al_2O_3) and Zirconia Toughened Alumina ($\text{ZrO}_2\text{-Al}_2\text{O}_3$) Based on the Construction of Master Sintering Curve Kezil Varghese, S. Manivannan, P. Biswas, P. Ramavath, Y S. Rao and Roy Johnson
4	CMAT P 04	Resistive Coupled Microwave Sintering of $\text{Y}_3\text{Al}_5\text{O}_{12}$ for Infrared Transparent Window Applications Mathew C.T, Jijimon K.Thomas
5	CMAT P 05	Super Flexible Hydrophobic Silica Foams for Oil Spill Clean up Minju N, Savithri S, Ananthakumar S
6	CMAT P 06	Effect of pH and Sintering Temperature on Structural Properties of Titania Pillared Clay Membranes N. Neethu, T. Choudhury

7	CMAT P 07	Cold Sintering: A Novel Strategy for Densifying Functional Minerals N. Sibi, G. Subodh
8	CMAT P 08	Study of Glass and Anti-Glass Phases in Heavy Metal Oxide Tellurite Systems Containing Rare-Earth Ions Nupur Gupta and Atul Khanna
9	CMAT P 09	Synthesis and Characterization of Strontium Tellurite and Borotellurite Co-Existing Glass and Anti-Glass Samples Rajinder Kaur and Atul Khanna
10	CMAT P 10	Tape Casting of Alumina Using Natural Rubber Latex Binder Rakesh Krishnan P.P, Sujith Vijayan, Praveen Wilson, ArunKumar, K. Prabhakaran
11	CMAT P 11	Study of Ferroelectric Behaviour and Energy Storage Capacity of $\text{Ba}_{0.98}\text{Ca}_{0.02}\text{Ti}_{0.98}\text{Sn}_{0.02}\text{O}_3$ Ceramic Ramovatar, Indrani Coondoo, S. Satapathy and Neeraj Panwar
12	CMAT P 12	Conversion of Zircon Sand into Zirconium Nitride through Transferred Arc Plasma Assisted Carbothermal Reduction and Nitridation Process S. Manikandan, A. Kuberan, Yugeswaran, P.V. Ananthapadmanabhan
13	CMAT P 13	Fabrication of Synthetic Wollastonite from Waste: Characterization of Physical and Dielectric Properties S. K. S. Hossain, P. K. Roy
14	CMAT P 14	Probing the Structural Deformation and Optical Properties of B-site Ordered $\text{Ba}_2\text{R}_{2/3}\text{TeO}_6$ (R = Y, Gd-Lu) Double Perovskites Sariga C Lal, Subodh G
15	CMAT P 15	Advantage of Calcination of MgO Coagulating Agent on the Direct Coagulation Casting of Alumina powder suspensions Sree Laxmi, Rakesh Krishnan, Sujith Vijaya ³ , Praveen Wilson and K. Prabhakaran

16	CMAT P 16	(3-3) type PZT Foams by Thermo-Foaming of Powder Dispersions in Sucrose Sujith Vijayan, Praveen Wilson, K Prabhakaran
17	CMAT P 17	Microwave Sintering of Hydroxy Apatite for Bone Tissue Engineering Swapna Y. V, Jijimon K. Thomas
18	CMAT P 18	Effect of Europium Doping on the Structural and Luminescent Properties of Zinc Sulphide Thin Films G S Gadha, S R Chalana, V S Kavitha and V P Mahadevan Pillai
19	CMAT P 19	Structural and Electronic Properties of Lithiated of SiC Nanocrystallites : A First Principles Study T.K. Bijoy, P. Murugan

POSTER INTERACTIVE SESSION

October 12, 2018

Poster Session II

16:45-18:45

SI No	Code No	Metals and Alloys- META
1	META 01	Fabrication of Vertical Centrifugal Casting Machine and Analysis of FGM of Aluminium A-356 Alloy Reinforced with SiC_p Arjun Mohan, Sajikumar K. S, Premkumar J, Narendran A. K, Akhil J.P, Varun V, Solomon E.D
2	META 02	Effect of Current Density on Corrosion Rate of Zinc Coated Steel Babul Das, Dr. Mukesh Bhardwaj
3	META 03	Network Analysis on the Effect of SiC Reinforcement in A390 Aluminium Carishma P, E. Jayakumar
4	META 04	Investigation of Deformation Mechanisms in Cold-Rolled Mg-10Li-1.5Ca Alloy Dhamodharan D, Bhagath Singh P and Kumaran S
5	META 05	Influence of Keyhole Mode on Microstructural Evolution and Properties of Plasma Arc Welded of SS304H Austenitic Stainless Steel Harish T M, Jerome S, Yadukrishna B, Rishi S Kumar, Midhun Suresh C, Krishnakanth Ramesh
6	META 06	Micro Structural and Magnetic Attributes of Rare Earth Free Hf-Co Permanent Magnet Indeevar Singh, Mithun Palit, Himalay Basumatary, R P Mathur

7	META 07	Study on Wear Properties of Al_5O_{83} Alloy Coated with Graphene Oxide Joby Joseph, Georgekutty S Mangalath, Ajith K S, Basil Bino, Riyas Ali, Sam E Puthuran
8	META 08	Low Temperature Nitriding of 316 Stainless Steel Nitin Kumar, G.P. Chaudhari
9	META 09	Role of Alloying Elements, Electrolyte and Electropolishing on Color Anodizing of Aluminum Sourav Uday Jannu, Viswanathan Rajan
10	META 10	Electrochemical Fabrication of Ternary Alloy Nonmaterial in Protic Ionic Liquid Medium for Electrocarboxylation of Benzyl Bromide Venkatachalam Rajagopal, David Velayutham and Vembu Suryanarayanan
11	META 11	Investigation of Electrical and Mechanical Properties of ZrB_2 Based Copper Matrix Composites Through In situ Process Using Stir Casting Technique Vineet Kumar

POSTER INTERACTIVE SESSION

October 12, 2018

Poster Session II

16:45-18:45

Sl No	Code No	Nanomaterials - NMAT
1	NMAT P 01	Defect Engineering in Dendritic Fibrous Nanosilica (DFNS) for Tuning Catalytic Activity and Selectivity Amit Kumar Mishra, Vivek Polshettiwar
2	NMAT P 02	Facile Synthesis of Nanostructured Hollowsphere NiCo₂O₄ and NiCo₂O₄@rGO and their Electrochemical Application Aniruddha Mondal, Dr. Asit Baran panda
3	NMAT P 03	Structural, Optical and Phonon Properties of Pure and K- Doped Hematite Nanoparticle Anoop Sunny, Balasubramanian Karthikeyan
4	NMAT P 04	Highly Selective and Efficient Removal of Toxic Heavy Metal Ions by MoS₂ Hollow Nanoroses Arya Nair J S, Aswathi R and Sandhya K Y
5	NMAT P 05	Enhanced Optical Limiting Behaviour of Copper Nanoparticles Ashly Jose, Nithin Joy, Anoop K. K., Reji Philip
6	NMAT P 06	Chitosan/Montmorillonite K-10 (MMT) Nanoparticles for Controlled Release of Anticancer Drug Babli Khatun, Pitamber Baishya and T.K. Maji
7	NMAT P 07	Influence of Non-Metal Dopant on the Photocatalytic Efficiency of Zinc Oxide Nanotubes Bhabhina Ninnora Meethal, Sindhu Swaminathan
8	NMAT P 08	Photocatalytic Activity of Thermally Evolved Carbon, Nitrogen and Sulfur Doped Zinc Oxide Nanoparticles Biji M, Irfana M I, S Anas

9	NMAT P 09	Silver Nanowires as SERS Substrates for Simultaneous Detection of Different Probe Molecules C.R.Rekha, V.U. Nayar, K.G. Gopchandran
10	NMAT P 10	Alternate Stacking of D-A System via Supramolecular Assembly of Block Copolymers Deepthi Krishnan, Amal Raj R B, E Bhoje Gowd
11	NMAT P 11	An Efficient Hydrothermal Protocol for Sb₂Se₃ Quantum Dots with Intense Fluorescence Dharsana M.V, Sindhu Swaminathan
12	NMAT P 12	As Grown Defect Centers in Diamond Thin Films Grown by Hot Filament Chemical Vapor Deposition without Ex-Situ Doping Dhruba Das and M S Ramachandra Rao
13	NMAT P 13	Effect of PEG Based Triblock Copolymer Grafted GO in Enhancing Thermo-Mechanical Properties of Epoxy: A Comparative Study Jitha S Jayan, B D S Deeraj, Kuruvilla Joseph, Saritha A
14	NMAT P 14	Structural and Luminescence Studies of Gadolinium Substituted Nickel Ferrite Nanoparticles Kanchan Upadhyay, Praveen G L , Raunak Kumar Tamrakar
15	NMAT P 15	PEG - Assisted Morphological Transformation of 3D Flower-Like ZnO to 1D Micro-/Nanorods and Nanoparticles for Enhanced Photocatalytic Activity Karuna P. Ghoderao, Shweta N. Jamble, Rohidas B. Kale
16	NMAT P 16	Air Stable Layered Perovskite Nanocrystals for Electroluminescence and Solar Energy Conversion Applications Leenaraj D. R, Ashtami Jayakumar, Sajith Kurian
17	NMAT P 17	Pd Nanoparticles Immobilized on Highly Mesoporous CeO₂: Characterization and Catalytic Activity towards the Solvent Free CH Oxidation of Ethylbenzene Lisamoni Kalita and Lakshi Saikia

18	NMAT P 18	Optical, Vibrational and Electronic State of Hydrothermal Synthesis of Hexagonal WO₃ Nanowires Madhumitha Chinnasamy, Karthikeyan Balasubramanian
19	NMAT P 19	Synthesis of Tape-like Zinc Oxide Nanostructures for Use as Catalyst in Organic Reactions Md. Harunar Rashid, Shreemoyee Phukan and Rakesh Chowdhury
20	NMAT P 20	Facile Synthesis of Protein Protected Luminescent Noble Metal Quantum Clusters for Biomedical Applications Meegle S. Mathew and Kuruvilla Joseph
21	NMAT P 21	Synthesis and Property Evaluation of CTAB Modified Superparamagnetic Fe₃O₄ Nanoparticles Meera Sathyan, Honey John
22	NMAT P 22	Extraction of Cellulose Nanopowder from Banana Fibre for Application as a Sustainable Core Material in Vacuum Insulation Panel Midhun V.C., Rajive Kumar Singh, Raj Deep, Adhitya K, Saroj Kumar Nahak, S.Suresh
23	NMAT P 23	Raman Spectral Probe on Identification and Confirmation of Structure and Morphology of Polar W-ZnS Nanostructures Neena Prasad, Balasubramanian Karthikeyan
24	NMAT P 24	Hierarchical Zinc Oxide Nanorods by Chemical Vapour Deposition N. Koteswara Reddy, M. Devika, C. W. Tu
25	NMAT P 25	A New Equimolar Multicomponent Spinel Metal Oxide: Synthesis and its Characterization N. Sreenivasulu, Nandhini J. Usharani, Subramsu S. Bhattacharya
26	NMAT P 26	Tin Dioxide Nanoparticles to Nanostructure: A Study for Synthesis of Potent Drug Intermediates Pangkita Deka, Sudakhina Saikia, M. L. Kantam, B. M. Choudary, R. C. Deka
27	NMAT P 27	Silibinin Loaded PCTS Nanoparticles for Controlled Drug Delivery and its Application as

		an Anticancer Agent Plabita Gogoi, Tarun K. Maji
28	NMAT P 28	Enhancement in Upconversion Luminescence Intensity in Hexagonal NaYF₄:Yb³⁺, Ho³⁺ Nanoparticles via Li⁺ Doping Preeti Verma, Supratim Giri
29	NMAT P 29	Structural and Optical Properties of Gamma Alumina and Europium Aluminate Nanoparticles Prepared by Precipitation Method Puneet Kaur and Atul Khanna
30	NMAT P 30	Efficient Catalytic Transfer Hydrogenation of Furfural in to Furfuryl Alcohol over 2D Graphitic Carbon Nitride Supported Magnetic Ferrite Nanoparticles Purashri Basyach, Lakshi Saikia
31	NMAT P 31	Optical and Magnetic Studies of Mn Doped Indium Oxide Films Reshmi Krishnan R., V. P. Mahadevan Pillai
32	NMAT P 32	Spin Phonon Coupling and Reorganization of Polaronic States in La_{0.7}Sr_{0.3}MnO₃/SrRuO₃ Superlattices near the Magnetic Phase Transition Roshna.S H, P. Padhan, W. Prellier
33	NMAT P 33	Spray Pyrolyzed N-Type Nano ZEO Thin Films for Optoelectronic Devices R. Swapna, K. Venkateswarlu, M. C. Santhosh Kumar
34	NMAT P 34	CdS Doped Graphene Nanomaterial, Synthesis and High Performance Photo-Catalytic Application under Visible Light Irradiation Sachin Dev, Shrikant Maktedar, Gopal Avashthi, Man Singh
35	NMAT P 35	Study on the Influence of Interlayer Anions on Physico - Chemical Properties of Layered Double Hydroxides Shilpa Elza Sam, Sreepriya P.S., Sujata Mandal
36	NMAT P 36	Synthesis and Characterization of Rb-Modified Few-Layered Graphene Based Material for Supercapacitor

		Shivani A. Singh, Pravin. S. More
37	NMAT P 37	Hydrothermal Synthesis of CdS Nanostructures with High Photocatalytic Performance Under Visible Light Irradiation Shweta N. Jamble, Karuna P. Ghoderao, Rohidas. B. Kale
38	NMAT P 38	(DNA Aptamer BODIPY-Based Amphiphiles for Targeted Photothermal Cancer Therapy) Siriki Atchimnaidu, Reji Varghese
39	NMAT P 39	Development of Oleogel Based System of Nanoparticles as Topical Agents for Drug Delivery and Bioimaging Soumyashree Dhal and Supratim Giri
40	NMAT P 40	Intense Orange Emission from Highly Crystalline RF Sputtered Zn:Mn Films S R Chalana and V P Mahadevan Pillai
41	NMAT P 41	Single Crystalline SnO₂ Nanoflake for Friedel-Crafts Acylation Reaction Sudakhina Saikia, Pangkita Deka, M. L. Kantam, B. M. Choudary, Ramesh C. Deka
42	NMAT P 42	ZnFe₂O₄@g-C₃N₄ Nanocomposites: A Magnetically Recoverable Photocatalyst for Degradation of Pollutant Organic Dye Sukanya Borthakur and Lakshi Saikia
43	NMAT P 43	CdS/TiO₂ Doped in Glass Matrix: Synthesis, Characterization and Application as an Improved Photocatalyst S.Y. Janbandhu, S. R. Munishwar, Aprajita Joshi, R. S. Gedam
44	NMAT P 44	Synthesis, Characterization and Thermal Conductivity Studies in Novel Nanofluids Containing Magnetite Nanoclusters Vinodha Ganesan, Cindrella Louis and Shima P Damodaran
45	NMAT P 45	Structural and Optical Properties of Tb³⁺ Doped WO₃ Thin Films V.S. Kavitha, S.R Chalana, R. Reshmi Krishnan, V. P Mahadevan Pillai

46	NMAT P 46	Gating Induced Single Flexural Phonon Mode Resistivity in Bilayer Graphene Mohd Meenhaz Ansari, S. S.Z Ashraf
47	NMAT P 48	Development and characterization of polyester Nano composite reinforced with Nano cellulose isolated from Onion Skin Anju Jose, Shilpa Joy, Cintil Jose, Sabu Thomas

POSTER INTERACTIVE SESSION

October 12, 2018

Poster Session II

16:45-18:45

SI No	Code No	Green Materials - GMAT
1	GMAT P 01	Green Synthesis of Fluorescent Carbon Dots from the Pith of Manihotesculenta (tapioca) Stem Amritha P, Nisha C.S, Vidhya Lalan, Subodh G
2	GMAT P 02	Formulation and Evaluation of Herbal Nanosuspension for Anti-cancer Activity Basil C Poullose, Jiya Jose, Nandakumar Kalarikkal, Sabu Thomas
s3	GMAT P 03	Eucalyptus Derived Ultra-Light Weight Silane Cellulose Nanofiber Aerogel for Dye Absorption Deepu A. Gopakumar, Sabu Thomas
4	GMAT P 04	Green Oxidation of Olefin in Water Catalysed by New Heterogeneous Peroxo Tantalum (V) Compounds Immobilized on Functionalized Merrifield Resin Gangutri Saikia, Nashreen S. Islam
5	GMAT P 05	Selective Adsorption and Separation of Dyes in Aqueous Solution Using Water Stable and Recyclable Melamine Based Ionic Co-crystal Jijo Johnson, Joyee Mitra
6	GMAT P 06	Synthesis and Characterization of Symmetrical 1,3-dialkylated Imidazolium Basic Ionic Liquids for an Efficient Aza-Michael Addition Kabita Boruah and Ruli Borah
7	GMAT P 07	Green Materials for the Removal of Chlorides from Industrial Waste Water Kirankumar P S, Jiffin Sam, Dr. K P Prathish
8	GMAT P 08	Dye Sensitized Solar Cell Using Natural Extracts L. S. Afinisha Deepam, Lekshmi S Nair , Archa S

		R
9	GMAT P 09	Structure-Property Relationships of Polyurethane/Curcumin Green Composites Madhukar B.S, Roopa S, Ramya, P, Filip Tuomisto and Siddaramaiah
10	GMAT P 10	Vanadium-based Polyoxometalate Complex as an Eco-compatible Catalyst for Phenol Hydroxylation Under Mild Condition Mitu Sharma and Nashreen S. Islam
11	GMAT P 11	Green Polymeric Adhesives From Castor Oil, Some Aspects of Synthesis and Properties Neethu Narayanan, Dr. Honey John, Dr. C P Reghunadan Nair
12	GMAT P 12	Investigation of Mass Transfer and Pressure Drop in a Packed Bed Reactor in N₂O₄ Reduction Risha Raju, Jishnu Chandran R, A. Salih
13	GMAT P 13	Green Synthesis of Silver Nanoparticles using Aloe vera Extracts for Spectral Filtration Application Sourav Majumder, Simon Patrick, Dr. Prabhakaran S
14	GMAT P 14	Conductivity and Electrochemical Studies of Binary Mixtures of -SO₃H Based Imidazolium Ionic Liquids in Molecular Solvents Sukanya Das, Trisha Dutta and Ruli Borah
15	GMAT P 15	Comparative Study of Biginelli Reaction by Microwave as Greener Methods using Three Different Clays as Catalyst Supriya P. Babar, V. M. Kamble
16	GMAT P 16	Sprayed CZTS Thin Films for Photoelectro Catalytic Degradation of Terephthalic Acid Y. M. Hunge, A. A. Yadav, V. L. Mathe
17	GMAT P 17	Fully Green Nanocomposites Based on Starch and Modified Cellulose Nanofibers Martin George Thomas, Preetha Balkrishnan, Abitha V. K, Hanna J Maria, Sabu Thomas

POSTER INTERACTIVE SESSION

October 12, 2018

Poster Session II

16:45-18:45

Sl No	Code No	Polymers and Blends - PNB
1	PNB 01	Processing and Properties of Short Carbon Fiber Reinforced Functionally Graded Epoxy Composites by Centrifugal Casting Technique Akhil S. Karun, Graceborn L.R, Lakshmi V., Ulaeto Sarah Bill, T.P.D. Rajan, U.T.S. Pillai, B.C. Pai, K. E. George, Sailesh K.S
2	PNB 02	Development of Nano Vanadium Pentoxide Embedded Poly(o-Toluidine) Matrix and its Characteristic Observations A. Nishara begum, S. Aravindan, H. Praveen, K. Mangai
3	PNB 03	Fluorinated Silsesquioxanes for Flexible Electronics: Synthesis and Characterization Ann Mathew, Anusree Ramesh, Smitha C Sukumaran, R.S. Rajeev
4	PNB 04	Carbonyl Iron/Carbon Black Reinforced Silicone Rubber Composites For EMI Shielding Applications Anooja J. B., AswiniThampi S. L., G. Subodh
5	PNB 05	Antimicrobial Properties of Poly (Vinyl Alcohol) Films Fabricated with Starch-Essential Oil-Zinc Oxide Nanoparticle Swathy Jayakumar, Heera K.V, Sumi K.V, Meritta Joseph, Praveen Govindh and Radhakrishnan E.K
6	PNB 06	Effect of Pristine and Functionalized Boron Nitride Nanosheets (BNNSs) on Structure and Thermal Properties of Poly(L-lactic acid) C V Sijla Rosely and E Bhoje Gowd
7	PNB 07	Kinetic Studies of CO₂ Adsorption/Desorption by Amine Functionalized Polysilsesquioxanes Deepthi Thomas, Abhilash K.S, Anju Sunny, Sadhana R

8	PNB 08	Influence of Lead Oxide in Modifying Morphological, Dissolution and Antimicrobial Behaviour of Poly(o-Toluidine) Matrix H. Praveen, A. Nishara begum, S. Aravindan
9	PNB 09	Green Synthesis of Peroxo Molybdenum Incorporated Cysteine Functionalized Silica: An Efficient and Highly Stable Heterogeneous Catalyst for the Selective Oxidation of Olefins and Sulfides with Hydrogen Peroxide Kabirun Ahmed, Nashreen S. Islam
10	PNB 10	Synthesis of a Polymer Blend <i>via</i> Topochemical Azide-Alkyne Cycloaddition Kuntrapakam Hema, Kana M. Sureshan
11	PNB 11	Non-Isothermal Cure Kinetics of Poly (Ether Ether Ketone) - Bischromenes Interpenetrated Epoxy Resin Systems Leena K, Soumyamol P B, Drisya D S, Temina Mary Robert and Dona Mathew
12	PNB 12	Toxic Reactive Black-5 Dye Removal from Wastewater Using Novel PPSU/Nano SnO₂ Mixed Matrix Ultrafiltration Hollow Fiber Membranes M Chandra Shekhar Nayak, Arun M Isloor and A.F. Ismail
13	PNB 13	Dielectric and X-Ray Diffraction Characterization of HDPE - Chitosan Biocomposites Meril Shelly, Meril Mathew, Tania Francis
14	PNB 14	Stereocomplex Complex Formation Between Star-Shaped Enantiomeric Poly(Lactide)s N.M. Praveena, S. Nagarajan and E Bhoje Gowd
15	PNB 15	A Study on the Changes in Mechanical and Degradation Properties of Polypropylene After Incorporation of Used Tea Powder Premkumar Kothavade, Vikrant Goswami, Harnish Jariwala, Sooraj Kannu Pillai
16	PNB 16	Industrial Applications of Cellulose Nano Fibre Aerogels Sabu K.T, Deepu A. Gopakumar, Sabu Thomas
17	PNB 17	Optical Characterization of Polymer Blend Films for Optoelectronic Device Applications Sruthy P, Vidhya V, Meera Mohan R, Hima Das

		M. P, Sreelatha K.
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ICMST-2018

POSTER INTERACTIVE SESSION

October 12, 2018

Poster Session II

16:45-18:45

Sl No	Code No	Sensor Materials- SEMAT
1	SEMAT P 01	Bovine Serum Albumin Functionalised Manganese Doped Zinc Sulphide Based Fluorescent Nanosensor for Dopamine Sensing Abha K., R.S Aparna, Anjalidevi J.S , Nebu John, Sony George
2	SEMAT P 02	Synthesis and Characterisation of SnO₂-Ag Nanoparticles for Surface Enhanced Raman Spectroscopy Applications. K. S. Anju, G. Rachana, K. Rajeev Kumar and M. K. Jayaraj
3	SEMAT P 03	Carbon Dots: A Fluorescent Tools for Cancer Screening and Photodynamic Therapy Jagpreet Singh Sidhu and Narinder Singh
4	SEMAT P 04	WO₃ Nanolamellae/Reduced Graphene Oxide Nanocomposites for Highly Sensitive and Selective Acetone Sensing Jasmeet Kaur, Ravi Chand Singh
5	SEMAT P 05	One Pot Precipitation Synthesis of Nano Co₃O₄ for the Development of Voltametric Sensor for Dopamine Jasmine Thomas, Anitha P K, Nygil Thomas
6	SEMAT P 06	Facile Sensing and Imaging of Zinc Ions by Aminoantipyrine Derivatives Jeyabalan Shanmugapriya, Gandhi Sivaraman
7	SEMAT P 07	Colorimetric Signaling of Explosive Materials and Organic Acids as a Function of pKa of Fluorescent Probes Kanhua Charan Behera, V. Nagarajan and Bamaprasad Bag

8	SEMAT P 08	Bamboo Charcoal Based Ethanol Sensors Luna Jena, Dhani Soren and Puspallata Patojoshi
9	SEMAT P 09	Quinizarin Based Colorimetric Moisture Sensor and Application in Fingerprint Imaging Pawan Kumar and Dr. D. Amilan Jose
10	SEMAT P 10	Electrospun Nickel Doped Zinc Oxide Nanofibers for Gas Sensing Applications P. M. Aswathy, Anamika Ashok, Priya M. J., Kavitha M. K., M. K. Jayaraj
11	SEMAT P 11	Dual State Multicolour Emissions from Single Molecular Core: Synthesis and Photophysical Studies on 5-(2-Diphenylamino)-4-Arylthiazol-5-Yl)Thiophene-2-Carbaldehyde Rakesh R, Vishnu A, Bhavya B.S and K G Sreejalekshmi
12	SEMAT P 12	Enhanced Relative Humidity Sensing Property of Porous Al:ZnO Thin Films Soumalya Kundu, Rahul Majumder, M Pal Chowdhury
13	SEMAT P 13	A Rhodamine Hydrazone Derivative as Chemosensor for Selective Cu(II) Ion Detection Suryakanta Dehuri and Bamaprasad Bag
14	SEMAT P 14	Diatom – a sensitive optical sensor for detection of water pollutants Viji Selvaraj, Ananthakumar Solaiappan, Viswanathan Chinnuswamy
15	SEMAT P 15	Gold cluster-nanorod assembly for the fluorescence turn-on detection of Ascorbic Acid Praveen GL, Kanchan Upadhyay, Sabu Thomas
16	SEMAT P 16	Soft elastomeric strain sensor Sisanth.K.S, Sabu Thomas

POSTER INTERACTIVE SESSION

October 12, 2018

Poster Session II

16:45-18:45

SI No	Code No	Smart Materials - SMAT
1	SMAT P 01	Network Analysis on Ice-Phobic Surface Coatings Cimna S Zakir, E. Jayakumar
2	SMAT P 02	Hydrothermal Synthesis and Characterization of $\text{Cu}_2\text{ZnSnSe}_4$ Nanoparticles for Solar Cell Applications G. Nivetha, S. Reshma, G. Sahaya Dennish Babu, X. Sahaya Shajan, Sergio Ferrari
3	SMAT P 03	Hydrothermal Synthesis and Characterization of Cesium Lead halide (CsPbX_3) Perovskites for Optoelectronic Applications G. Sahaya Dennish Babu, X. Sahaya Shajan, Shivani Dhall, Mengistie L. Debasu
4	SMAT P 04	Smart LDH-Polyurethane Composite Coatings for Corrosion Sensing Applications Jerin K. Pancrecious, Savithry K.N., Sarah B. Ulaeto, Suja P., T.P.D. Rajan, E. Bhoje Gowd and B.C. Pai
5	SMAT P 05	Facile Preparation of Lead-free Piezoelectric Ink for Sustainable Energy Harvesting Applications Kanakangi S. Nair, U.S. Hareesh and K.P. Surendran
6	SMAT P 06	Simple Chemical Synthesis and Characterization of Methylammonium Lead Iodide-Bromide ($\text{CH}_3\text{NH}_3\text{PbBr}_3$ & $\text{CH}_3\text{NH}_3\text{Pb}(\text{IBr})_3$) Nanomaterials for Perovskite Solar Cell Applications N. Harish Kumar, C. Laxmi Narayan, G. Sahaya Dennish Babu, Farshid Pahlevani, Veena Sahajwalla

7	SMAT P 07	A Four-Parameter Cubic Equation of State for Pure Compounds and Mixtures Pradnya N. P. Ghoderao, Vishwanath H. Dalvi, Mohan Narayana
8	SMAT P 08	Hydrothermal Synthesis of ZnSnO₃ Perovskite Metal Oxide Nanocubes for Perovskite Solar Cell Applications S. Anishkumaran, N. Harishkumar, Sahaya Dennish Babu, X. Sahaya Shajan, Sergio Ferrari
9	SMAT P 09	Terpyridine Appended Tetraphenylethylene Derivatives: Stimuli-Responsive Self-Assembly and Optoelectronic Properties Shibna Balakrishnan, Sreejith Mangalath, Anjali Cheruvalath and Joshy Joseph
10	SMAT P 10	Restricted Dynamics at Organic-Inorganic Interface of Porous Materials- A Solid State MAS NMR Study V. S. Veena, Illath Kavya, Lazer Anish, C. P. Vinod, T. G. Ajithkumar, S. Jayanthi