

National Conference on Recent Trends in Materials Science and Technology – 2019

Poster Session	S Venue:	Students Activity Center (SAC) IIST Thiruvananthapuram
Poster Session 1	8 December 2019: 17	.05 – 19.00 Hrs
	Posters: P001 – P069	
	03(213, 1001 - 1003)	
Poster Session 2	.9 December 2019: 17	.45 – 19.15 Hrs
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P002	Influence of Fuel on the Properties of Sol-gel Auto-combustion Derived Cobalt Ferrite Nanoparticles Bhadrapriya B C, Bosely Anne Bose, Nandakumar kalarikkal
P003	A Facile Fluorescent Approach for the Detection of Trinitrophenol Using WS ₂ Quantum Dots <i>Neema P M, Jobin Cyriac</i>
P004	Treatment of High Energy Explosive Effluent by Using Photo-Catalytic Degradation Neha Bisht, Sridhar Rao, Saurabh Deshwal, P.K.Khanna
P005	Synthesis and Environmental Applications of Nanostructured Molybdenum disulfide-A Review Priyanka, Pawan K. Khanna
P006	Investigation on the Effect of Biosynthesized ZnO Nanoparticles on Oryza sativa L. in the Study of Antioxidant Defense System by Estimating the Activity of Enzymatic Antioxidants <i>Rekha C, Bhanupriya S & V. Meera, Anaswara G Nath, Ashitha</i>
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	for the Degradation of RhB Dye Merin Tomy, Merin Mary Sebastian, Nandakumar kalarikkal
P008	A Comparative Study on Properties of Single Atom- and Heteroatom- Doped Graphene Denet Davis, Bhadrapriya B C, Bosely Anne Bose. Nandakumar Kalarikkal
P009	Green Synthetic Method of Gold Nanoparticles Sarah John
P010	Synthesis and Characterization Of A Highly Fluorescent Tripeptide Stabilized Gold Nanocluster For Bioimaging Applications Hema Santhakumar, Ramapurath. S. Jayasree
P011	Synthesis and Biomedical Applications of CuO nanoparticles- Antibacterial treatment M. Sappani Muthu
P012	Synthesis and Characterisation of Graphene oxide and its Antibacterial activity against gram positive and Gram Negative Bacterial Strains <i>Fathima Beevi.A, G.Sreekala, B. Beena</i>
P013	Green Synthesis of Silver Nanoparticle and Catalytic Degradation of Methylene Blue Surya K R, Anoop S Nair
P014	Highly Hydrophobic Nanolayers of Kaolinite for Solar Cell Coatings Sisira. M. K., Anju. P., Prasad. V. S.
P015	Polyaniline Derived Nitrogen Doped Graphene Quantum Dots for the Sensitive and Selective EC Sensing of Toxic Heavy Metal ions Saisree S., Arya Nair J. S., Aswathi R., K.Y.Sandhya
P016	Synthesis and Study of Graphene-MoS ₂ composites: Versatility in Environmental applications <i>Arya Nair J S, Saisree S, Sandhya K Y</i>
P017	Nano-infiltration as a strategy to enhance microwave attenuation Jagadeshvaran P L, Harsha Nallabothula, Aishwarya Vijayan Menon, Suryasarathi Bose
P018	Ligand Induced Etching of Pt-Ni Mixed Clusters Ann Mary Tomy, Neema P M, Jobin Cyriac
P019	Thermal Properties And Crystallanity Studies Of Synthesized Nano Cellulose From Acacia Caesia Seena K.Thomasa, P.M.Sabura Beguma, Jyotishkumar Parameswaranpillai

P020	Controlling the Oxidation of Copper Nanostructures Adarsh S Pillai, Remya Krishnan, Sabitha Ann Jose, K. P. Surendran
P021	Effect of Precursors on The Synthesis Of Hexagonal Boron Nitride Nanostructures S. Dhanavel, R. Raja Madhavan and R. Asuvathraman
P022	Organometallic Gels of Organotin Dithiocarbamates Kandasamy Gopal, Aparna G, Eeswar Unnikrishnan, Arya Muraleedharan, Anjana Ram
P023	Synthesis of One Directional K0.5Na0.5Nb0.9Sb0.1O3 based Nano-Rod as a Pressure Sensor for Thermal Management Application Akhilesh Kumar Sharma, Himanshu Shekhar Panda
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P026	Electrochemical Determination of Hg(II) ions by N ₂ Plasma Functionalized Reduced Graphene Oxide Anupama K N, Uthara Renjith, Chandichan Alex, Athul A S, Varsha M V, N Gomathi
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P028	Shape and Color Memory Effects and Associated Properties of PVA film by in-situ Polymerization of 2D Metal-Organic Compound Aswathy B., Praveena P., Hasna M.A, Alex P. A., Vysakh K. K., Saju Pillai, M. Padmanabhan
P029	Investigation on PVA/CS Blend Nanocomposite Electrolyte Membranes As An Ionic Separator For DMFC Applications S Selvarohini, P. Bahavan Palani, K Murugalakshmi, R Pandeeswari
P030	Facile Self-polymerisation of a Molecular Metallo-ligand by cis-trans Isomerization to 1-Dimensional Coordination Polymer for Functional Purpose Devika Harikrishnan, Anjana A., Vysakh, K. K., Alex P. A., M. Padmanabhan

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P037	Non-destructive testing and Imaging using Holography Leya Robert, Santhi A.
P038	Natural Cotton Derived Carbon composite foam for thermal insulation Chithra. A, Praveen Wilson, Sujith Vijayan, R. Rajeev and K. Prabhakaran
P039	Synthesis of Hexahydro Acridinedione Soumya Ramalingam
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P041	Targeted Delivery of Curcumin by Protein Stabilised Gold Nanocluster for Cancer Therapy Meegle S. Mathew, Kavya Vinod, Kuruvilla Joseph
P042	Hybrid Nanoprobes for the In-Vivo Imaging of liver fibrosis Ariya Saraswathy, Shaiju S Nazeer, Nimi N, R.S.Jayasree
P043	3D metal complexes of 1,3-bis (2-pyridylimino) isoindoline as DNA intercalators Reshma G, Varada Padmanabhana, Unnimaya R. Naira, Parvathy P. B, Naveen V. Kulkarni, Parvathy Venugopal, Rajaguru Aradhya

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P045	GC-MS Analysis and Screening of antibacterial activity of Leaves extract of Piper longum Linn. <i>T.S. JulinHeeba, r. S. Mary Helen</i>
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P047	Fabrication of Inherently Radiopaque Biocompatible Polymer For Vascular Embolization Gopika V. Gopan, K. Kezia Susan, Aleesha Vahab, Reshmi Govindan, Enakshy Rajan Jayadevan, Roy Joseph
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P052	Phase Behavior Of Polymer Systems by CALPHAD Technique: A prospectus Rinsha Padmarajan P.V, Hari Kumar K.C, Sreeram K. Kalpathy
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P054	Photoinduced and Substrate Wettability-driven Patterning of Azo-based Thin Polymer Films <i>Swathi Erekath. Sreeram K. Kalpathy</i>
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P060 Polymer Surface Modification by Plasma Treatment: A Review Ananthu Prasad, Miran Mozetic, Sabu Thomas
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P066Lithium-ion Pouch Cells For Space Applications Bibin John, Saju KT, Vinod V, Anoopkumar V, Sumol V Gopinath, Jamal Nawaz Ansari, Aiswarya Samridh, Satish R, Deepak Srivastawa, Arjun Raj M, Vijayakuma PS, Mercy TD
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P075	Dehydrogenation of Alcohols Catalysed by Nickel-Diphosphine Complexes Arathi R. Varma, Swathy S, Nakul S, Meenu K, Naveen V. Kulkarni, Kamlesh Kumar
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