

### LIST OF REGISTERED PARTICIPANTS (oral and poster)

Name	Abstract ID	Title	Presentation Type
Dr. Preema Thomas	AO505	Synthesis of ZnO nanoparticle and evaluation of its potential to enhance the activity of antibiotics	ORAL
Mr. Yashvant Rao	AO512	Application of Cadmium Sulfide Nanocrystals with Fluorescent Dyes for Solar Enhancement and the characterization with HR-TEM and AFM	ORAL
Dr. Mamata Maisnam	AO516	Structural and Electrical Properties of Nanosized Yttrium Iron Manganites Synthesized by Sol-gel Autocombustion Method	ORAL
Mr. Venkatesan Annadurai	AO521	Optimization of Template Removal Technique for Improving the Yield of Vertically Aligned Copper Oxide Nanorods	ORAL
Dr. Sasidhar Siddabattuni	AO528	Enhanced Dielectric Properties of Surface Engineered NanoTiO <sub>2</sub> /Epoxy Composites	ORAL
Ms Julin Joseph	AO532	Highly selective and sensitive detection of trinitrotoluene (TNT) based on luminescence-quenching of Carbon Quantum Dots	ORAL
Mr. Kattepogu Rama Rao	AO533	Nano cobalt ferrites prepared by sol-gel auto combustion method: Structure, spectroscopic and microscopic properties.	ORAL
Mr. Lijin George	AO546	Investigation of parameter space contours for growth of continuous and defect free single layer CVD graphene	ORAL
Mr. Pugazhendhi S	AO568	Synthesis and characterization of silver nanoparticles from <i>D.alata</i> by Green approach	ORAL
Dr. Hrusikesh Nath	AO571	In-situ Synthesis of CNT reinforced Al Matrix Composites: A Review	Oral
Dr. Praveena Kuruva/(Dr. Naina Vinodini Sudarsanam)	AO573	Improved Electromagnetic Absorption of Microwave sintered Cr <sup>3+</sup> doped SrFe <sub>12</sub> O <sub>19</sub>	ORAL
Miss A. Divya Arumugam	AO575	Influence on Hydrodynamic size, Surface charge and aggregation of medium assisted CeO <sub>2</sub> nanoparticles	ORAL
Mr. Thiyagarajan K	AO581	Room temperature ferromagnetism in Graphene-WO <sub>3</sub> nanocomposites	ORAL
Mr. Sachin Kumar Balakrishnamurthy	AO590	Electrospun nanofibers of Spinel/ilmenite Nickel Titanate	ORAL
Mr. Gobi Saravanan	AO592	Biological behavior of TiN, ZrN single and TiN/ZrN multi layer coated 316L SS for biomedical applications	POSTER
Mr. Muhamed Shafi Ollakkan	AO600	Spatial and temporal evolution of plasma produced by ultrashort laser ablation of copper in nitrogen atmosphere	ORAL
Mrs Anju Elsa Tom	AO604	Synthesis of monodisperse PbS quantum dots using organo-metallic procedures employing a specially designed temperature probe	POSTER

Mr. Pradeep Kumar Poddar	AO606	Extraction of nanocellulose fibrils from rubberwood fibres via high pressure homogenisation combined with chemoenzymatic pretreatments	Oral
Mr. Sunil C Vattappalam	AO612	Enhancement in LPG sensitivity of Al-ZnO by electron irradiation	ORAL
Mr. Jobin Job Mathen	AO3000	Synthesis, optical and dielectric properties of poly(vinyl alcohol)/ZnO nanocomposite films	POSTER
Mr. S Dwivedi	AO3004	Structural, magnetic and electrical properties of Ni/NiO core-shell nanoparticles dispersed in poly-vinyl alcohol matrix	ORAL
Dr. Nirmal Prabhakar	AO3005	Development of Electrochemical Aptasensor based on Multiwalled Carbon Nanotubes embedded Conducting Polymer for M. Tuberculosis Detection	ORAL
Mr. Durga N K P Rao Miriyala	AO3015	Ferrofluids for Active Shock Absorbers	ORAL
Mr. Sumit Pokhriyal	AO3018	Magnetic nanoparticles assisted TMR based sensors for smart bio-sensing applications	ORAL
Dr. Daljit Kaur	AO3031	Tuning the Structural and Magnetic Properties of Cobalt Nanowires by Electrodeposition	ORAL
Mr. Muhamed Shajudheen VP	AO3032	Structural and Optical Properties of NiS nanoparticles synthesized by Chemical precipitation method	POSTER
Ms Priyanka R N	AO3040	Simple and Rapid Biosynthesis of Stable Silver Nanoparticles Using Dried Stems of <i>Coscinium Fenestratum</i> and its Cytotoxicity Studies	POSTER
Mr. Benjamin Hudson Baby	AO3044	Phase Formation Study of SnS Nanoparticles Synthesized through PVP Assisted Polyol Method	POSTER
Miss Sijo Francis	AO3050	Green Synthesis of Silver Nanoparticles from Leaf Extract of <i>Jatropha Curcus L</i> and Evaluation of their Catalytic Activity	POSTER
Mrs Gurleen Kaur Walia	AO3063	Molecular Communication for Nanomachines via Diffusion – Design and Network Challenges	ORAL
Mr. Shanker Jada	AO3089	Impedance Spectroscopy and Permittivity Investigation of NdCrO3 Perovskite Ceramic Nanoparticles	ORAL
Mrs A. Rubavathy Jaya Priya	AO3099	Synthesis and Characterisation of Pamam Dendrimer Functionalised with Quaternary Onium and Thiol Based MWCNT Nanohybrids for Drug Delivery Applications	ORAL
Dr. Bibekananda Sundaray	AO3100	Electrical Properties of Electrospun Polymer-CNT Fibers	ORAL
Miss Bhagyalekshmi G L	AO3101	Synthesis, Characterization and Photoluminescence properties of Ce <sup>3+</sup> doped ZnO Nanophosphor	POSTER
Mr. Navas M P	AO3102	Plasmonic sensing properties of laser generated Ag, Au and Cu nanoparticles	ORAL
Miss Rupali Das	AO3103	Size Controlled Synthesis of Gold Nanoparticles by Nanosecond and Femtosecond Lasers	ORAL
Miss Neethu Sha A P	AO3104	Synthesis and characterization of P <sub>2</sub> O <sub>5</sub> doped ZnO	POSTER
Miss Meenu Venugopal	AO3105	Photoluminescent properties of Praseodymium doped Y <sub>2</sub> O <sub>3</sub> nanocrystals prepared by an auto igniting combustion technique	POSTER

Dr. Vetha Potheher Innasimuthu	AO3109	Electrochemical Property Analysis on $Mn_3O_4$ Nanoparticles Synthesized by Hydrothermal Method	ORAL
Mrs Nancy John	AO3110	Synthesis, Characterization and Anti – Bacterial Activities of $SnO_2$ Nanoparticles using biological molecule.	POSTER
Mrs Christy Philip	AO3111	Fabrication of Transition State Analogue (TSA) Imprinted Polymers on Vinyl Functionalized MWCNTs for the Hydrolysis of Amino Acid Esters	POSTER
Mr. Sony Jose	AO3124	Green and chemical synthesis of CuO nanoparticles against bacterial pathogens	ORAL
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Mr. Deep Chandra Joshi	AO3137	Compositional dependence of structural and X-ray photoelectron spectroscopic studies of $Zn_{1-x}Ni_xO/NiO$ Two-Phase Composites	ORAL
Ms Prativa Pramanik	AO3141	X-ray Photoelectron Spectroscopy and Optical properties of $MnCo_2O_4$ Nanostructures	ORAL
Dr. Soumendu Datta	AO3147	Properties of nano-clusters involving 3d late transition metal elements : Role of magnetization versus hybridization interplay	ORAL
Dr. Tejeswararao Dharmana	AO3184	Metal nanoparticles in “on-water” organic synthesis: one-pot nano CuO catalyzed synthesis of 2-Aminothiazole	ORAL
Dr. Kamal Jha	AO3188	Structural Stability and Electronic Properties of Triangular/Zigzag Boron Nitride Nanowires	ORAL
Dr. Sudhesana Saha/ Ms Rashmi Ghosh	AO3192	Preparation and characterization of smart organic nano-material from lignocellulosic agro-waste	ORAL
Ms Marilyn Mary Xavier	AO3197	ZnO/Ag/PANI Ternary composite for photocatalytic degradation of organic dyes.	POSTER
Dr. P Nithiananthi	AO3198	Binding Energy of Excited Excitons in different confinements in a Quantum Well	ORAL
Mr. Ezhilan J		PARTICIPATION ONLY	
Mr. Gnanavel A	AO3207	Preparation of tin nanoparticles decorated nitrogen doped graphene oxide and their application towards lithium ion batteries	ORAL
Dr. Jijimon K Thomas	AO3214	Effect of microwave sintering in enhancing the infrared transmittance properties of nanostructured $Y_2O_3$ ceramics coalescing $La^{3+}$ ion in the matrix	ORAL
Prof. N R Patil	AO3221	Synthesis, Structural and Optical Investigation of CdSe semiconductor Quantum Dots	ORAL
Miss Shumaila Shahid	AO3231	Nanoparticles from polymeric waste	ORAL
Dr. Lakshmi Mullassery	AO3247	Preparation of $TiO_2$ nanotubes and its application in DSSC	ORAL
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Mr. Sriharsha Hegde	AO3252	Dynamic characterization of Si-RTV-Polyurethane based mixed magnetorheological	ORAL

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Mr. Prabhat Yadav	AO3260	Modulating microstructure of nano-structured Inconel 718 by thermal treatment	ORAL
Mr. Dadamiah PMD Shaik	AO3262	Electrochemical Properties of $\text{Co}_3\text{O}_4$ nanoparticles synthesized by Solution Combustion Technique	ORAL
Dr. Vijaya Kumar R	AP503	Low temperature magnetization studies of ferro-spinels ( $\text{MFe}_2\text{O}_4$ ) prepared by solution-combustion method	POSTER
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Mr. Rajesh Yadav Mudi	AP509	Structural studies of undoped and $\text{Mn}^{2+}$ doped calcium borophosphate (CaBP) nanophosphors	POSTER
Miss Swati Tapdiya	AP524	Influence of Samarium substitution on structural and magnetic studies of Cobalt ferrite	POSTER
Miss Sarika Singh	AP525	Effect of Zinc Substitution on the Structural, Morphological and Optical Properties of CdSe thin films	POSTER
Dr. Madhavan Joseph	AP527	Synthesis and spectroscopic characterization of CdSe nanoparticles for photovoltaic applications	POSTER
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Mr. Anil Singh	AP541	Rapid graphene growth using ethanol-CVD	POSTER
Mrs Sujata Tongbram	AP545	Luminescence properties of $\text{SrAl}_2\text{O}_4:\text{Eu}^{2+}$ Phosphor	POSTER
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Mr. Rabichandra Pandey	AP559	Structural and Dielectric Investigation of $\text{Bi}_{(1-x)}\text{Dy}_x\text{Fe}_{(1-x)}\text{Mn}_x\text{O}_3$	POSTER
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Mrs Sindhura Singapati	AP563	Synthesis and Luminescent Properties of $\text{Mn}^{2+}$ Doped $\text{LiNaZnP}_2\text{O}_7$ Nanophosphors	POSTER
Mr. Tiju Thomas	AP568	Judd-Ofelt analysis of $\text{Sm}^{3+}/\text{CdSe}$ nanocrystallites in $\text{TiO}_2\text{-ZrO}_2$ matrices	POSTER
Miss Reshmi Raju	AP568	Judd-Ofelt analysis of $\text{Sm}^{3+}/\text{CdSe}$ nanocrystallites in $\text{TiO}_2\text{-ZrO}_2$ matrices	POSTER
Mr. Andrews Joseph	AP574	Influence of Oxygen Pressure on the Optical and Microwave Dielectric Properties of $\text{Ba}(\text{Zn}_{1/3}\text{Ta}_{2/3})\text{O}_3$ thin film	POSTER
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Miss Soumi Chatterjee	AP592	Fast Ion Conduction in Nanostructured Lithium Silicate Glasses Grown Within Mesoporous Silica	POSTER
Mr. Pawe Mazierski	AP596	Bismuth doped GdVO <sub>4</sub> nanowires: the effect of amount of bismuth dopant on photocatalytic activity under UV-Vis and Vis irradiation	POSTER
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Mr. Ajay Kumar	AP620	PECVD Synthesis and Nonlinear Optical Properties of Graphene-Metal Nanocomposites	POSTER
Miss Haritha M	AP621	Nonlinear Optical Transmission in Cu and SnO <sub>2</sub> Nanoparticles and Cu@SnO <sub>2</sub> Core-shell Structures	POSTER
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Mrs Shobhna Dhiman	AP1093	Gallium atoms encapsulated inside armchair SWCNTs	POSTER
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Mrs Divya K S	AP1151	Effect of microwave irradiation time on the photocatalytic activity of reduced graphene oxide (rGO)-ZnO nanocomposites under UV light irradiation	POSTER
Mr. Chirag patel	AP1152	Investigations on Structural and Magnetic Properties of CoFe <sub>2</sub> O <sub>4</sub> / Sr <sub>2</sub> Co <sub>2</sub> Fe <sub>12</sub> O <sub>22</sub> Composites Prepared by the Coprecipitation Method	POSTER
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Miss I Janet Sherly	AP1174	Effect of geometry on the Exciton Binding Energy in a Quantum Ring	POSTER
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Mr. Palakshamurthy B.S	CO542	Stabilization of liquid crystal mesophase in coumarin based molecules: A study on synthesis, characterization and photo physical properties.	ORAL
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Miss Kiran Chandra	CO3161	Adsorption of Titan yellow dye using activated carbon prepared from bagasse	ORAL
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Miss Jisna Jos	CO3187	Phase modification of ammonium nitrate doped with copper oxide	ORAL
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Dr. Laxmi Gayatri Sorokhaibam	CO3200	Carbon-based materials: Fabrication, characterization and application for environmental adsorptive separations	ORAL
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Miss Meera Stephen	CO3257	Dye-Sensitized polyfullerenes for photo-voltaic applications	ORAL
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Ms Suman Banger	CP572	Calculation of Cohesive Energy due to added Hydrogen Atoms in (LiH+nH; n=0, 2, 6, 8): A first-principle Study	POSTER
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Ms Minu Mohan	CP583	Improved Charge Extraction Using Mixed Solvent Solution Processed ZnO as Electron Transport Layer and its Effect on Photovoltaic Properties in Inverted Bulk Hetero Junction Solar Cell Processed in Ambient Conditions	POSTER
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