

Selected List of Participants for Poster Presentation Phase - I

SI	ID	Name	Organization	Title
1	P-1004	Prof. Ranjit Thapa	SRM University, Kattankulathur, Chennai, India	A first principles study on hybridized boron doped graphene-C ₂ N layers for an anode materials for a LIB's
2	P-1006	Mr. Mathan Kumar E	SRM Research Institute, Kattankulathur, Chennai, India	Desorption mechanism of hydrogen from metal hydride first principles study
3	P-1009	Mr. Ranveer Singh	Institute of Physics, Bhubaneswar, India	An efficient broad-band antireflection hole-blocking n-TiO ₂ /p-Si heterojunction: Role of crystallinity of TiO ₂
4	P-1010	Mr. Mahesh Saini	Institute of Physics, Bhubaneswar, India	ab initio study of 3d- transition metal doping effects in rutile-TiO ₂ : Role of bandgap tunability in conductivity behaviour
5	P-1014	Mr. A Rajkamal	SRM University, Kattankulathur, Chennai, India	Ab-initio study of Li adsorption and diffusion on/in metallic T6 carbon surfaces
6	P-1018	Dr. Maduru Narsimhulu	Kakatiya University, Warangal, Telangana, India	Powder XRD, EDAX, FE-SEM and Raman spectroscopic studies of disodium trans-diaquabis(oxalato)cobaltate(II) hexahydrate
7	P-1019	Dr. N Murali	Andhra University, Visakhapatnam, Andhra Pradesh, India	Synthesis, magnetic, dielectric and conductivity studies of LiNi _{1/3} Co _{1/3} Mn _(1/3) -xAl _x O ₂ (x = 0.0, 0.02, 0.04 and 0.06) for cathode materials for lithium-ion batteries
8	P-1020	Mr. chalumuri satish	National Institute of Technology Karnataka, Surathkal, Manglore, Karnataka, india	Ab initio studies on NbSb ₂ as a fuel cell anode material
9	P-1022	Mr. J Prashanth	Kakatiya University, Warangal, Telangana, India	Molecular structure, NBO analysis, first order hyperpolarizability, HOMO and LUMO energies of 2-azido-4-fluoro-1-phenylethanone using DFT
10	P-1026	Mr. Bikram Kumar Das	Jadavpur University, Kolkata, West Bengal, India	Ab-initio forecast of the electrocatalytic activities of Nitrogen doped 2-D acetylene bonded Carbon crystal family vis- \tilde{A} -vis Boron doping
11	P-1033	Mrs.Bakiya Lakshmi	SRM University, Kattankulathur, Chennai, India	Improvising performance of fuel cells in hybrid fuel cell electric vehicles (FCEV)

12	P-1034	Ms.Kruthika	CSIR-Central Electrochemical Research Institute, Karaikudi, Tamil Nadu, India	Efficacy of oxygen vacancy in hydrated $\hat{I}\pm$ -MnO ₂ for activating water oxidation and self-healing mechanism
13	P-1036	Ms.S Sinthika	SRM Research Institute, Kattankulathur, Chennai, India	Influence of Surface Structure of Silicon Carbide on the CO oxidation Mechanism: First-Principle Study
14	P-1038	Dr. Badiur Rahaman	Aliah University, Kolkata, West Bengal, india	Interplay of rare earth and transition metal anisotropies in Cu ₃ Sm(SeO ₃) ₂ O ₂ Cl
15	P-1039	Ms. Paramita Banerjee	Indian Association for the Cultivation of Science, Kolkata, India	Heteroatom doped T6-carbon: An efficient catalyst for oxygen reduction reaction (ORR)
16	P-1040	Ms. Tisita Das	Indian Association for the Cultivation of Science, Kolkata, India	Electron doped C ₂ N monolayer as efficient noble metal free catalysts for CO oxidation
17	P-1041	Mrs. Moumita Mukherjee	Indian Association for the Cultivation of Science, Kolkata, India	Photodegradation Characteristics of RGO - CuPc composite
18	P-1046	Mr. Pachineela Rambabu	Gurughasidas Vishwavidyalaya	Electronic Structure Studies of Unstrained and Strained Li ₂ MnO ₃
19	P-1048	Mr. Anand Kumar	SRM University, Kattankulathur, Chennai, India	Adsorption And Conversion Of Carbon- Dioxide on Copper Iodide(CUI) Surface :A First Principles Study
20	P-1052	Mr. Kunal Jogendra Tiwari	SRM Research Institute, Kattankulathur, Chennai, India	Growth and Characterization of Chalcostibite CuSbSe ₂ Thin Films for Photovoltaic Application
21	P-1054	Mr. Pradeep Chavan	Department of Physics, Karnatak university Dharwad, India	Study of Dielectric Properties and Conduction Behavior of Bi doped Copper Nanoferrites
22	P-1055	Mr. Indrajit Patil	SRM University, Kattankulathur, Chennai, India	Mechanical Activation in Reduced Graphene Oxide/Boron Nitride Nanocomposite towards Development of Bifunctional Electrocatalyst

23	P-1056	Ms. Vanshree Parey	Department of Physics, Barkatullah university, Bhopal, India	First principles identification of B2/B3 doped C60 nanostructures as a universal gas sensor
24	P-1058	Dr. Palanisamy Deepa	Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India	Characteristic Properties of Pnicogen Bonds- A Quantum Chemical Study
25	P-1060	Ms.A.Aseema Banu	Sethu Institute Of Technology, Virudhunagar – District, Tamilnadu, India.	Theoretical Investigation on Silicon Carbide in Zinc Blende structure
26	P-1062	Mr.Aadhityan A	SRM University, Kattankulathur, Chennai, India	The effect of electrodes on 11 acene molecular spin valve: ab initio Study
27	P-1065	Dr.C Rangasami	Kongu Engineering College, Perundurai, Erode, Tamil Nadu, India	Structure and Raman Spectroscopy Studies of Stepwise Flash Evaporated AgIn3Te5 Thin Films
28	P-1066	Mr.Ajaypraveenkumar	Noorul Islam Centre for Higher Education, Kanyakumari, India	Vibrational Frequencies, NBO Analysis, NLO Properties, UV-Visible and Homo-Lumo Analysis of 2-Chloro-3-Methoxybenzonitrile with Experimental (FT-IR and FT-Raman) Techniques and Quantum Mechanical Calculations
29	P-1067	Dr.Shekhar Bhame	Symbiosis Institute of Technology, Mulshi, Maharashtra, India	Structural, optical and thermoelectric properties of Al doped zinc oxide synthesized by citrate-gel method
30	P-1068	Mr.Naveenkumar	Alagappa university, Sivaganga, Tamil Nadu, India	Structural and Electrochemical Characterization of Bi doped Li2NiTiO4 cathode materials for the Rechargeable Lithium-ion batteries
31	P-1070	Dr.Silambarasan D	Madurai Kamaraj University, Madurai, Tamil Nadu, India	Gamma ($\hat{\Gamma}^3$)-ray Irradiated Multi-walled Carbon Nanotubes (MWCNTs) for hydrogen storage

32	P-1071	Mr.Sanmugavel S	Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Tamil Nadu, India	Growth of Multi-Crystalline Silicon for Solar Energy Harvesting Application
33	P-1072	Mr.Mudaliar Mahesh Margoni	SRM University, Kattankulathur, Chennai, India	Sprayed vanadium pentoxide thin films: Influence of substrate temperature on the structural, optical, morphological and electrical properties
34	P-1073	Ms.Amreen Bano	Department of Physics, Barkatullah university, Bhopal, India	Electronic and Transport Properties of Dichalcogenide MoS ₂ In Bulk And Monolayer
35	P-1075	Ms.poonkuzhali	SRM University, Kattankulathur, Chennai, India	Nitrogen and Cobalt Co-Doped Graphene Oxide as an Efficient Electrocatalysts for Oxygen Reduction Reaction
36	P-1077	Ms.Kulwinder Kaur	Panjab University Chandigarh, India	Thermoelectric properties of Mg ₂ Si under strain: a density functional theory study
37	P-1078	Mr.Sukhwinder Singh	Panjab University Chandigarh, India	Quest of thermoelectricity in topological insulators: a density functional theory study
38	P-1079	Dr.Avinash	Devchand College Arjunnagar, Kolhapur, Maharashtra, India	Interaction in Solution of Chlorine Content Pyrazoles with Copper and Terbium Metal Ions at Different Concentrations by Using Ultrasonic Wave
39	P-1080	Mr.Chi Ho Lee	Hanyang University, Seoul, South Korea.	Topology-Property Relations of Doped graphene in Hydrogen Evolution Reaction
40	P-1081	Mr.Vinoth R	SRM Research Institute, Kattankulathur, Chennai, India	Bismuth Oxyiodide Incorporated Reduced Graphene Oxide Nanocomposite Material as an Efficient Photocatalyst for Visible Light Assisted Degradation of Organic Pollutants
41	P-1082	Mr. Selva kumar	Alagappa university, Sivaganga, Tamil Nadu, India	A study of influence on nano composite membranes of sulfonated TiO ₂ with Poly(Vinylidene Fluoride-co-hexafluoropropylene) for PEM fuel cell application

42	P-1084	Mr.S Selva Chandrasekaran	CSIR-Central Electrochemical Research Institute, Karaikudi, Tamil Nadu, India	Multilayered LiFePO ₄ Li ₃ PO ₄ as a cathode for Li-ion battery
43	P-1086	Ms.Sivasangari Sathiamoorthy	SRM University, Kattankulathur, Chennai, India	Surface patterned CZTSe absorber deposition through presynthesized ink
44	P-1087	Mr.D S Prem Kumar	SRM University, Kattankulathur, Chennai, India	Thermoelectric Properties of Tetrahedrite (Cu ₁₂ Sb ₄ S ₁₃) Thin Films Deposited by E-beam Evaporation
45	P-1088	Mr.P karthik	SRM Research Institute, Kattankulathur, Chennai, India	Amine-functionalized NH ₂ -MIL-53(Fe) Metal-Organic Framework Based Highly Selective and Sensitive, Turn-Off Fluorescent Sensor for Nitro aromatic Compounds
46	P-1089	Mr. Deobrat Singh	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat, India	Thermoelectric Transport Properties of CrS ₂ 2D-Sheet
47	P-1092	Mr.Manikandan Madasamy	Nadar Mahajana Sangam S. Vellaichamy Nadar College, Madurai, Tamil Nadu, India	First principles study of structural stability, electronic structure, mechanical properties and optical properties of Group IV semiconducting carbides XC (X= Si, Ge, Sn)
48	P-1095	Ms.Amudhavalli	Nadar Mahajana Sangam S. Vellaichamy Nadar College, Madurai, Tamil Nadu, India	Investigation of Structural, Electronic, Mechanical and Optical Properties of Half Heusler Alloys LiZnZ (Z = As, Sb)
49	P-1096	Ms.S Padmapriya	SRM University, Kattankulathur, Chennai, India	Polyaniline modified Copper as catalyst for Hydrogen Evolution Reaction
50	P-1097	Ms. M Sindhuja	SRM University, Kattankulathur, Chennai, India	Biological Capacitance Studies of Anode and Cathode in Microbial Fuel Cells Employing Electrochemical Impedance Spectroscopy
51	P-1102	Mr.Ganesh Bera	Guru Ghasidas Vishwavidyalaya, Koni, Chhattisgarh, India	X - ray, Raman and Electronic structural studies of FeVO ₄
52	P-1104	Dr. J Selvakumar	SRM University, Kattankulathur, Chennai, India	High Energy Density Of Emergency Capacitors

53	P-1105	Mr. Anand Torvi	Department of Chemistry, Karnatak University Dharwad Dharwad , Karnataka, India	Development of electrically conductive flexible PVA-TEOS-PPy nanocomposite membrane and its application in a novel flexible micro-supercapacitor
54	P-1106	Mr. Satishkumar Naik	Department of Chemistry, Karnatak University Dharwad Dharwad , Karnataka, India	Development of flexible electrodes for solid state supercapacitor through in-situ polymerization of aniline in crosslinked PVA template
55	P-1107	Mr. N Kumaresan	SRM University, Kattankulathur, Chennai, India	Hydrothermally Grown ZnO Nanoparticles for Effective Photocatalytic Activity
56	P-1111	Ms. S Mathuri	SRM University, Kattankulathur, Chennai, India	Electron beam evaporated CdSe _{1-x} Al _x thin films: Impact of Al concentration on structural, optical and morphological properties
57	P-1113	Mr. Arun Bera	National Institute of Technology Agartala, Jirania, West Tripura, Tripura, India	Flexible diode of Polyaniline/ITO heterojunction on PET substrate
58	P-1114	Mr. Shirajahammad Hunagund	Karnatak University, Dharwad, Karnataka, India	Facial hydrothermal route synthesis and characterizations of titanium dioxide
59	P-1115	Mr. Kamanashis Sarkar	National Institute of Technology Agartala, Jirania, West Tripura, Tripura, India	Schottky diode behaviour with excellent photoresponse in NiO/FTO heterostructure
61	P-1120	Mr. Mangesh S Jadhav	Karnatak University, Dharwad, Karnataka, India	One pot synthesis and characterization of highly luminescent CdTe Quantum dots
62	P-1122	Mr. Aravindan G	SSN College of Engineering, Chennai, India	Numerical Analysis on Effect of Annealing in mc-Si Ingot Grown by DS Process for PV application
63	P-1124	Mr. Jagadish	SRM University, Kattankulathur, Chennai, India	Formation of porous silicon through stain etching for light emission applications
64	P-1126	Mr. Dhanasekar	SRM University, Kattankulathur, Chennai, India	Highly stable precursor ink for solution processed Cu ₂ ZnSnS ₄ based solar cells
65	P-1127	Mr. Abhishek Singh	SRM University, Kattankulathur, Chennai, India	Study of gas sensing properties of quaternary Cu ₂ ZnSnSe ₄ solar absorber

60	P-1128	Ms. Shobhna Dhiman	Department of Applied Science, PEC, University of Technology, Chandigarh, India	DFT Study of Gallium Doped Endohedral Fullerene
66	P-1130	Ms.Moon paul	SRM University, Kattankulathur, Chennai, India	Silver doped MoO ₃ Nanostructures as sonophotocatalysts for dye degradation under diffused sunlight
67	P-1133	Mr. Naresh .N	SRM University, Kattankulathur, Chennai, India	Tailored Multi-Metallic Cu@Pt-Au Nanostructure and its Triggered Performance in Electrocatalytic Oxidation of Methanol in Alkaline Medium
68	P-1134	Mr.M Santosh	Nadar Mahajana Sangam S. Vellaichamy Nadar College, Madurai, Tamil Nadu, India	Structural stability, electronic structure and mechanical properties of potassium metal hydrides KMH ₄ (M = B, Al, Ga): A first principles study
69	P-1135	Mr.Nagarajan S G	SSN College of Engineering, Chennai, India	Simulation of directional solidification furnace with modifications to grow good quality mc-Si ingot for PV applications
70	P-1136	Ms.Simya O K	PSG Institute of Advanced Studies, Coimbatore, Tamil Nadu, India	Homojunction based czts/se thin film solar cells using SILVACO ATLAS simulation
71	P-1138	Mr. Ashwin Agathya	SRM University, Kattankulathur, Chennai, India	Composites of thermochromic Vanadium dioxide with Graphene and Graphene Oxide
72	P-1142	Mr. George Yumnam	Indian Institute of Science, Bangalore, India	High Temperature thermoelectric properties of Zr and Hf based transition metal dichalcogenides: A first principle study
73	P-1150	Ms. E Indubala	SRM University, Kattankulathur, Chennai, India	Synthesis and characterization of copper zinc tin sulfide (Cu ₂ ZnSnS ₄) by hydrothermal and sulfurization process
74	P-1153	Dr. Kodi Pandyan R	Thiagarajar College of Engineering, Madurai, Tamil Nadu, India	Metal hydrides doped Graphene for Hydrogen Storage