Poster No.	Name	Poster Title	Department
P-1	Nirmal Dolai, M. Manolata Devi, S. Kant and Krishanu Biswas	Facile Synthesis for Controlled Morphology of Graphene - Pt/Pd Alloy Nano dendritic Structured Hybrids	Department of Materials Science and Engineering, Indian Institute of Technology, Kanpur-208016, India
P-2	K. S. Bhargavi	Free-carrier optical absorption in an n-type monolayer MoS2	Karnatak University, Dharwad
P-3	Ashutosh Kumar Singh	Wave packet dynamics in various two- dimensional systems: A unified description	Department of Physics, IIT Kanpur-208016, India
P-4	Lailesh Kumar	Development of Cu-Exfoliated Graphite Nanoplatelets (xGnP) Metal Matrix Composite by Powder Metallurgy Route	National Institute of Technology Rourkela
P-5	Mahendra S. Pawar	Chemical vapor deposited atomically thin MoS2 films for Transistor and gas Sensor application	CSIR-National Chemical Laboratory Pune
P-6	Preety Ahuja	Room temperature functionalized graphene nanoribbons via green route for all state flexible supercapacitor	University of Delhi
P-7	Sima Umrao	Microwave Bottom-Up Route for Size- Tunable and Switchable Photoluminescent Graphene Quantum Dots by Acetylacetone: New Platform for Enzyme-Free Detection of H_2O_2	Institute of Science and Technology (KAIST), Republic of Korea
P-8	Anil Kumar Singh and Anjan Kumar Gupta	Large scale synthesis and facet dependent morphology of graphene on copper by ethanol-CVD	Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016, INDIA
P-9	Alestin Mawrie, Tutul Biswas and Tarun Kanti Ghosh	Magnetotransport properties of two- dimensional fermionic systems with k- cubic Rashba spin-orbit interaction	Department of Physics, Indian Institute of Technology-Kanpur, Kanpur-208 016, India
P-10	Sreejesh M	Preparation and Characterization of Graphene Oxide/PANI Compsoites for Supercapacitor Applications; Effect of Small Weight Percentage Graphene Oxide loading	National Institiute of Technology, Karnataka, Surathkal
P-11	Thripuranthaka M	Direct exfoliation of 2D Layered materials and its application in devices	CSIR National Chemical Laboratory Pune
P-12	Abdus Salam Sarkar	Electrical conduction of as prepared and annealed multilayer graphene oxide thin films: A comparative study	Indian Institute of Technology Mandi
P-13	Jyoti Shakya	Study of morphology of MoS2 in different solvents	Jawaharlal Nehru University, New Delhi
P-14	Sougata Mardanya	Enhancement of tunneling density of states at a Y junction of spin-1/2 Tomonaga Luttinger liquid wires	Department of Physics, IIT Kanpur-208016, India
P-15	Archana Lakhani	Effect of Yttrium doping on transport and magnetic properties of Dysprosium	UGC-DAE, Consortium for Scientific Research, University Campus, Khandwa Road, Indore
P-16	Lawrence Kumar	Determination of Magnetic Ordering Temperature by Employing Arrot Plot Technique on Cobalt Ferrite Nanoparticles	Central University of Jharkhand, Ranchi
P-17	Renu Gupta	Magnetic and Electric Properties of Itinerant Ferromagnet SrRuO3	Jawaharlal Nehru University, New Delhi
P-18	Ashish Kumar Mall ^{1*} , Ashish Garg ² , Rajeev Gupta1 ³	Comparative study on isostructural YCrO3 and HoCrO3	¹ Materials Science Programme, ² Department of Materials Science and Engineering, ³ Department of Physics Indian Institute of Technology Kanpur, Kanpur 208 016

P-19	C. Dohare	Behaviour of a.c. conduction and density of defect states (DOS) in chalcogenide glassy Se98-xAg2Inx (x=0, 2, 4, 6)	Banaras Hindu University, Varanasi
P-20	Vinay Kumar Shukla* & Soumik Mukhopadhyay	An experimental investigation on the possible connection between multiferroicity and Zener polaron ordering	Department of Physics, Indian Institute of Technology Kanpur, Kanpur-208016
P-21	Anirban Dutta, ¹ * N. Kumar, ² A. Thamizhavel, ² and Anjan K. Gupta ¹	Weakening of SDW gap at low temperature in SrFe ₂ As ₂ single crystals	¹ Department of Physics, Indian Institute of Technology, Kanpur 208016,India ² Department of Condensed Matter Physics and Materials Science, Tata Institute of Fundamental Research, Mumbai, 400 005, India
P-22	Mrittika Singha ¹ and Rajeev Gupta ^{1,2}	Structural and Magnetic Investigations on Ni Doped Polycrystalline ZnV ₂ O ₄	¹ Materials Science Programme, ² Department of Physics Indian Institute of Technology Kanpur, Kanpur 208016, India
P-23	Aranyak Sarkar and Soumik Mukhapadhyay	Magnetic and Dielectric properties of classical Spin ice	Department of Physics, IIT Kanpur, Kanpur-208016
P-24	Surender Pratap	Application of NEGF for obtaining I-V characteristics of a Nano-Scale MOSFET with CNT as its channel using Recursive Green's Function Method	Birla Institute of Technology & Science, Pilani, Rajasthan
P-25	Barun Ghosh and Amit Agarwal*	Electric eld induced gap modication in ultrathin blue phosphorous	Department of Physics, Indian Institute of Technology, Kanpur 208016, India
P-26	Dushyant Kumar ¹ , Z. Hossain ¹ , and R. C. Budhani ¹	Electrostatically tuned photoconductivity in Ar+ - irradiated SrTiO ³	Condensed Matter Low Dimensional Systems Laboratory, Department of Physics, Indian Institute of Technology, Kanpur 208016, India
P-27	Divya†, R. Prasad‡, Deepak†#*	Ab initio calculations – A study of structure of amorphous Indium Gallium Zinc Oxide	
P-28	Ramesh Sharma	ab initio study of magnetotransport properties of Fe-Pd intermetallics	Feroze Gandhi Institute of Engineering and Technology, Raebareli
P-29	Nimisha Raghuvanshi and Avinash Singh	SDW $(\pi, 0)$ state in multi-orbital models for iron pnictides	Department of Physics, Indian Institute of Technology, Kanpur 208016, India
P-30	Narasimha Raju Chebrolu	Magnetic impurity in a Superconductor with Anderson-Holstein model	University of Hyderabad
P-31	Munesh Rathore	Ionic liquid dispersed systems: novel solid electrolytes for Li+ ion batteries	Birla Institute of technology and science, Pilani 333031, Rajasthan
P-32	Jitesh Barman, Arun Kumar Nagarajan, 1,2 and Krishnacharya Khare 1*	Electrowetting on dielectrics on lubricant fluid infused slippery surfaces with negligible hysteresis	Department of Physics, Indian Institute of Technology Kanpur, Kanpur-208016, India
P-33	Sunita Mehta ¹ , Saravanan Murugeson ² , Balaji Prakash ² , Deepak ¹	Microbes based Stamps for Printing of Electrodes in Electronic Devices	Department of Materials Science & Engineering and Samtel Center for Display Technologies, Indian Institute of Technology Kanpur

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P-34	Anup Kumar Patel, Pramanshu Trivedi, Urvashi Gupta and Kantesh Balani	Correlation between cytocompatibility and bioactivity study on multiwalled carbon nanotutes-aluminium oxide reinforced ultrahigh molecular weight polyethylene bionanocomposites	Biomaterials Processing and Characterization Laboratory, Department of Materials Science and Engineering, Indian Institute of Technology Kanpur, 208016, India
P-35	Benjamin Hudson Baby	Effect of PVP in Polyol Assisted Synthesis of SnS Nanoparticles for Photovoltaic applications	Pondicherry University
P-36	Reeta Pant, Pritam Kumar Roy, Krishnacharya Khare*	Investigation of slippery behavior on lubricating fluid coated hydrophilic surfaces	Department of Physics, Indian Institute of Technology Kanpur, Kanpur-208016, India
P-37	Pritam Kumar Roy, Reeta Pant, Sumana Kumar, and Krishnacharya Khare*	Mechanically tunable superhydrophobic and slippery surface based on PDMS wrinkles	Department of physics, Indian Institute of Technology Kanpur, Kanpur-208016, India
P-38	Sweta Mariam George	Investigations on Polymer-Ionic Liquid Complexes as Electrolyte for All-Solid- State-Lithium Ion batteries	Indian Institute of Technology Madras, Chennai
P-39	Sanjeev K. Ujjain, Krishnacharya	Strategical approach towards improved surface wettability for High Performance Supercapacitor	Soft Mater Physics Laboratories- SL201, Department of Physics, IIT Kanpur, Kanpur-208016
P-40	Karanam madhavi	Effect of Plasma ion etching on Si nano wires towards Superhydrophobicity	Jawaharlal Nehru Technological University, Anantapur
P-41	M. Manolata Devi and Krishanu Biswas	Effect of size on the Melting of Free Pb- 16.75 Atom % Sb Alloy Nanoparticles	Department of Materials Science and Engineering, Indian Institute of Technology, Kanpur-208016, India
P-42	Manjula Sharma	Thermal Behavior of Carbon Nanotube Reinforced Nanoenergetic Al/Fe2O3 Thermite System	NIT Hamirpur (HP)
P-43	Nirmal Kumar* and Krishanu Biswas	Free Standing Metal Nanoparticles by Cryomilling	Department of Material Science and Engineering Indian Institute of Technology Kanpur, Kanpur-208016 India
P-44	Shiv Kumar	Structural and magnetic properties of Fedoped ZnO Diluted Magnetic Semiconductor Nanocrystals: An EXAFS and XANES study	Banaras Hindu University, Varanasi
P-45	Jhuma Dutta,a, S. Anantha Ramakrishna,a, Akhlesh Lakhtakia,b	Unidirectional surface plasmon coupling by periodically patterned slanted silver columnar thin films	a Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016, India b Department of Engineering Science and Mechanics, The Pennsylvania State University, University Park, Pennsylvania 16802, USA
P-46	Raghwendra Kumar* and S. Anantha Ramakrishna	Microstructuring using Multi photon absorption	Indian Institute of Technology Kanpur, 208016, India
P-47	Arpita Haldar ¹ ,*, M.Srinivas Reddy ¹ and R.Vijaya ^{1,2}	Self-assembled Photonic Crystals as Patterning Templates for Enhanced Efficiency of Photovoltaic Devices	¹ Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016, India ² Center for Lasers and Photonics, Indian Institute of Technology Kanpur, Kanpur 208016, India
P-48	Gangadhar Behera and S. Anantha Ramakrishna,	Periodic metallic nanostructured used as transparent electrodes in solar cell applications	Department of Physics, Indian Institute of Technology, Kanpur - 208016, India
P-49	Sriram Guddala* and S. Anantha Ramakrishna	Thermally Driven Reverse Saturable Absorption in Metamaterial Perfect Optical Absorbers	^a Department of Physics, Indian Institute of Technology Kanpur, Kanpur-208016,India
P-50	Dheeraj Pratap†, *, and S. Anantha Ramakrishna†	Imaginary Order Bessel Modes in Anisotropic Nanoporous Alumina	Indian Institute of Technology Kanpur, Kanpur- 208016, India

		Microtubes	
P-51	Suchita ¹ ,* Govind Kumar ² and R.Vijaya1, ²	Phase matching characteristics of Stimulated Raman Scattering in liquid Toluene	¹ Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016, India ² Center for Lasers and Photonics, Indian Institute of Technology Kanpur, Kanpur 208016, India
P-52	Amarjai V. Kokankar	Scaling Behaviour of the Absorbing State Phase Transition with Patchy Particles	Savitribai Phule Pune University
P-53	Shyam L. Gupta,* Ravi Pratap Singh,* and Raj K. Thareja	Carbon Thin Films using Colliding Plasma Plumes	Department of Physics, Indian Institute of Technology Kanpur, Kanpur – 208016, (U.P.) India
P-54	Sougata, Vinay Kumar Thakur, Somnath Bhowmick, Amit Agarwal	Band Gap Modulation of Arsenene using Electric Field and Strain	Department Material Science & Engineering, Indian Institute of Technology-Kanpur, Kanpur-208 016, India
P-55	Devendra Kumar	Evidence of non-trivial Berry phase in metallic Bi2Se3 single crystal	UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore
P-56	Manjusha and Madhav Ranganathan	Quantum mechanical study of adatom interactions on GaN(0001)	Department of Chemistry, IIT Kanpur
P-57	Dr. A. P. Gnana Prakash	Swift Heavy Ion Irradiation to Study High Total Dose Radiation Effects on Different Semiconductor Devices	University of Mysore, Manasagangotri, Mysore
P-58	Nikhil Kumar, ¹ T.Fournier, ² H. Courtois, ² C.B.Winkelmann, ² and Anjan K. Gupta ¹	Thermal Instability and Hysteresis in Superconducting Constrictions	Department of Physics, Indian Institute of Technology Kanpur, India (208016) Institute Neel, CNRS and University Joseph Fourier,25 Avenue des Martyrs, BP 166, 38042, Grenoble, France
P-59	Jay Bahadur Singh	Calculation of Different Properties of Iron Oxide using DFT method	NIT Kurukshetra Haryana
P-60	Prashant Khatri , under guidance of Prof. Anjan Kumar Gupta,	Low Temperature Hemt Based Amplifier	Physics Dept., IIT Kanpur
P-61	Azad and Sarang Ingole	Effects of H2O2 Concentrations and Etching Times on the Morphology of Silicon Nanowires(SiNWs)via Metal Assisted Chemical Etching(MACE)	Department of Materials Science and Engineering, Indian Institute of Technology, Kanpur-208016, India
P-62	Kamalika Nath	Investigating magnetic configurations in strained Cobalt nanowires	Department of Physics, IIT Kanpur-208016, India
P-63	Shubhankar Das*, A. Rastogi, P. C. Joshi, Z. Hossain and R.C. Budhani	Spin-OrbitInteractionRenormalizedKondoScatteringin δ-DopedLaTiO3/SrTiO3Interfaces:AMagnetotransportandMagnetothermopower Study	Department of Physics, Indian Institute of Technology, Kanpur
P-64	Prince Gupta*, S. Anantha Ramakrishna, and H. Wanare	Strong coupling regime of surface plasmons at metal- absorber interface	Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016, India
P-65	Dipankar Mondal, Debjit Roy, Debabrata Goswami	The application of femtosecond fluorescence resonance energy transfer to explore the optically tweezed clusters structure and their dynamics	Department of Chemistry, Indian Institute of Technology Kanpur 208016, India
P-66	Pinku Roy, Imon Bose and Tanmoy Maiti	Large thermopower in Sr_2 TiMO ₆ (M=Fe,Co) double perovskites for the High	Department of Materials Science and Engineering, Indian Institute of Technology Kanpur,

	Temperature	Kanpur India 208016
	Thermoelectric Applications	