

## IWAM 2017 ACCEPTED PAPERS

NAME	AFFILIATION	TITLE
Dr. Aditya M. Vora	Department of Physics, University School of Sciences, Gujarat University, Ahmedabad 380009, Gujrat, India	Superconducting State Parameters of In <sub>1-x</sub> Tl <sub>x</sub> Binary Alloys
Deepak Kumar Singh	Bilkent University, Ankara, Turkey	Optical absorption in Monolayer Stanene from the tight binding model
Dr. Subhashis Gangopadhyay	Department of Physics, Birla Institute of Technology and Science, Pilani, Rajasthan, India	Zinc Oxide Nano-structures for Gas Sensor Application: From Nano-Wall to Nano-Rod Growth Morphology
Dr.G. Venugopal Rao	Materials Physics Division, Indira Gandhi Centre for Atomic Research, Kalpakkam – 603102, Tamilnadu, India.	Study of The Thermodynamic Critical Field in Ba(AuH <sub>2</sub> ) <sub>2</sub> Superconductor
Dr. Bibhas R. Sarkar	Department of Chemistry Birla Institute of Technology and Science Pilani Pilani Campus, Vidya Vihar, Pilani, 333031, India	Pd/gC <sub>3</sub> N <sub>4</sub> Nano-composite as efficient catalyst for Microwave Assisted Suzuki-Miyaura Cross-Coupling Reactions in Water
Dr. Pankaj Kumar Tripathi	Post-Doctoral Fellow (DSKPDF-UGC, New Delhi) Department of Physics Banaras Hindu University Varanasi-221005 UP, India.	Dispersion of silica nanoparticles in ferroelectric liquid crystal
Arnab Pariari	Condensed Matter Physics Division, Saha Institute of Nuclear Physics, Kolkata	Three-dimensional Dirac Semimetal Cd <sub>3</sub> As <sub>2</sub> as a potential candidate for thermoelectric applications
Dr. Paramita Dutta	Instiute of Physics (Condensed Matter Theory group, Bhubaneswar, Odisha 751005	Thermoelectric properties of a ferromagnet – superconductor hybrid junction: Interplay of barrier, polarization, and Rashba spin orbit interaction
Dr.Shyamsundar Ghosh	Department of Physics, Bejoy Narayan Mahavidyalaya (The University of Burdwan), Itachuna, Hooghly 712 147, India	Defect-promoted Magnetism in Tin-doped In <sub>2</sub> O <sub>3</sub> Nanostructures: An Efficient High-TC Ferromagnetic Semiconductor

Ms. SUSMITA ROY	Saha Institute of Nuclear Physics, HBNI, 1/AF Bidhannagar, Calcutta 700064, India	GIANT LOW- FIELD MAGNETOCALORIC EFFECT IN SINGLE CRYSTALLINE $\text{EuTi}_0.85\text{Nb}_0.15\text{O}_3$
Mr. SK Firoz Islam	Institute of Physics, Sachivalaya Marg, Bhubaneswar-751005, India	Cooper pair splitting in a graphene based beam splitter geometry
S.K. Mohanta	Government College of Engineering Kalahandi, Bhawanipatna -766002, INDIA	Observation of Orbital magnetism of isolated Fe impurities in hexagonal Ag
Gopal	Institute of Physics, Sachivalaya Marg, Bhubaneswar, Orissa, 751005, India	Adiabatic quantum transport through superconducting hybrid junctions of Silicene
Mr.Vellaichamy Joseph	Organic Materials Laboratory, Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee-247667, India.	Near-UV emission from asymmetrically 2,7-disubstituted carbazole derivatives: Structure-property relationships
Ms.Nupur Bhakta	Department of Physics, Durgapur Govt. College, Pachim Burdwan, 713214, WB, India.	Effect of Ho and Mn co-doping on structural, Magnetic and Dielectric properties of $\text{GaFeO}_3$ nanoparticles
Ms.Namrata Pattanayak	Department of Physics, Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pune 411008, India	Quasi-static remanence in hexagonal crystallites of $\alpha\text{-Fe}_2\text{O}_3$ : Size Effects
Mr. Abyay Ghosh	<i>Human Resources Development Section, Raja Ramanna Centre for Advanced Technology, Indore 452013, India</i>	Density Functional Theory based first principles electronic structure study on 112 Fe based superconductors : Fermiology and Lifshitz transition
Mr. Anoop Kumar Kushwaha	School of Basic Sciences, Indian Institute of Technology, Bhubaneswar, 751007, India,	Realising the Impact of Fluorination on Potential Window of Carbonate Electrolytes in Li-ion Battery: a First Principles Investigation
Mr. Muralikrishna Molli-3rd	Department of Physics, Sri Sathya Sai Institute of Higher Learning, Prasanthinilayam, India 515134	Nonlinear Optical transmission of Nanocrystalline $\text{Cu}_2\text{Se}$ in the ultrafast excitation regime
Mr. Padmalochan Panda	Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam-603102, India	Significance of Cr on mechanical and optical properties of sputtered $\text{Al}_{1-x}\text{Cr}_x\text{N}$ thin films

Ms.Sushree Sangita Jena	Dept of Applied physics and Ballistics, F.M.University, Balasore 756019, Odisha, India	Tight-binding Study of the Frequency and Temperature Dependent Spin Susceptibility of Orbitally Ordered Iron-based Superconductors.
Dr. Anil Kumar	CSIR-Network of Institutes for Solar Energy, Division of Material Physics and Engineering, Council of Scientific & Industrial Research, National Physical Laboratory, Dr. K.S. Krishnan Road, New Delhi, 110012, India	Ultrafast Hot Electron Charge Carrier Generation in Gold- Graphene System
Kavya K. Nayak	Department of Physics, National Institute of Technology Karnataka, Surathkal, P.O. Shrinivasnagar, Karnataka 575025, India	Effect of Co(OH) <sub>2</sub> nanoparticles on the structural and optical properties of Thiourea Barium Chloride single crystals
Dr. Dhruvananda Behera	Department of Physics and Astronomy, National Institute of Technology, Rourkela 769008, Odisha, INDIA	Study of Structural and Electrical Conductivity in Bismuth Substituted Nanosized Cobalt Ferrites
Dr. Nimai C. Nayak	Center for Nanoscience and Nanotechnology, Siksha 'O' Anusandhan University, Bhubaneswar,Odisha, India.	Dielectric and transport behavior of Cenosphere filled Ethylene Vinyl Acetate copolymer composites
Ms. Sanchali Mitra	Fiber Optics & Photonics Division, CSIR-Central Glass and Ceramic Research Institute, 196 Raja S. C. Mullick Road, Kolkata-700032	First principles study of Ag nanoclusters in (SiO <sub>2</sub> ) <sub>n</sub> - (n=16, 24, 32) scaffold
Maheswari Mohanta	Department of Physics, ITER, Siksha 'O' Anusandhan University, Bhubaneswar 751030, India	Redistribution of valence charge in Cu-Ni alloys: valence band study
BHAGYASHREE MUNISHA	Department of Physics, ITER, Siksha 'O' Anusandhan University, Bhubaneswar 751030, India	Fabrication and Electrical Characterization of Nickel based Polyurethane Nano-composites
Dr. S. K. Parida	Department of Physics, ITER, Siksha 'O' Anusandhan University, Bhubaneswar 751030, India	Study of mechanical properties of random disordered CuNi alloys
Dhani Nafday	S.N. Bose National Center for Basic Sciences, Kolkata	Tunable Magnetism of Adatoms adsorbed on Bilayer Graphene

Ms. Poulami Chakraborty	Department of Condensed Matter Physics and Materials Science, S. N. Bose National Center for Basic Sciences, JD Block, Sector – 3, Salt Lake, Kolkata 700 106, India	Manipulating the Mechanical Properties of Ti <sub>2</sub> C MXene: Effect of Substitutional Doping
Mr. Mahfoozurrahman Khan	Department of Applied Chemistry Faculty of Engineering and Technology Aligarh Muslim University ALIGARH-202002 (India)	ELECTRICAL CONDUCTIVITY AND THERMAL STABILITY OF MINERAL ACID DOPED POLYANILINE AND ITS COMPOSITES WITH GRAPHENE, CARBON NANOTUBES
Ms. Ananya Sahoo	Department of Physics, ITER, Siksha 'O' Anusandhan University, Bhubaneswar 751030, India	Exchange Interaction in Fe <sub>1-x</sub> Ni <sub>x</sub> Alloys: XPS Study
Mr. Pratik D. Patel	School of Technology, Pandit Deendayal Petroleum University, Gandhinagar-382007, Gujarat, India	The First principle calculation of Structural, Electronic and Magnetic Properties of Mn <sub>2</sub> RhSi Heusler Alloy
Kiran Dawande	Department of Postgraduate Studies and Research in Physics, Rani Durgavati Vishwavidyalaya, Jabalpur, M. P., India (482001).	Current Transients in Poly (Vinyl Formal)) - Polyvinylidene fluoride (PVFO: PVDF) Blends
Ms. Sandhya Shrivastava	Department of Postgraduate Studies and Research in Physics, Rani Durgavati Vishwavidyalaya, Jabalpur, M. P., India (482001).	Charging and Discharging Current Study in Polyvinylidene fluoride-Polysulfone (PVDF: PSF) Blends under High Step Field Condition
Ms. Shailja Sharma,	School of Basic Sciences, Indian Institute of Technology Mandi, Mandi-175005 (H.P.)	Electronic transport and Magnetic properties of Fe intercalated Bi <sub>2</sub> Se <sub>3</sub> compound: Fe <sub>0.10</sub> Bi <sub>2</sub> Se <sub>3</sub>
Ms. Spruha Kumari	Department of Physical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur, Nadia 741246, India	Electronic structure of strongly correlated AVO <sub>3</sub> systems
Mr. Mihir Ranjan Sahoo	School of Basic Sciences, Indian Institute of Technology Bhubaneswar, India	Spintronics in monolayer-MoS <sub>2</sub> : A density functional approach
Dr. Avala Lava Kumar	School of Basic Sciences, Indian Institute of Technology Bhubaneswar, India	Spintronics in monolayer-MoS <sub>2</sub> : A density functional approach

Mr. Dinesh Kumar Rathore	School of Mechanical Engineering, KIIT University, Bhubaneswar, India-751024	Temperature dependent interfacial adhesion and its subsequent effect on mechanical performance of carbon nanofiber/epoxy nanocomposite
<b>Shreenu Pattanaik</b>	Department of Physics, Faculty of Engineering and Technology (ITER), Siksha 'O' Anusandhan University, Khandagiri Square, Bhubaneswar 751030, Odisha, India	Phase transformation of zirconia at low temperature by Ni substitution
Ms Arpita Paul Chowdhury	Chemistry Department, National Institute of Technology Silchar-788010, Assam, India	SYNTHESIS AND CHARACTERIZATION OF BiOCl-Cu <sub>2</sub> ZnSnS <sub>4</sub> HETEROSTRUCTURE AND ITS EFFICACY AS PHOTOCATALYST
Mr. S K Panda	K.D. Science College , Pochilima, Hinjilicut, Pin-761101 , Odisha, India	Tight binding model study of the effect of on-site and inter-site Coulomb interactions on the electronic band dispersion of graphene
Dr. DILIP KUMAR MISHRA	Department of Physics, Faculty of Engineering and Technology (ITER), Siksha 'O' Anusandhan University, Khandagiri Square, Bhubaneswar 751030, Odisha, India	Low energy argon ion irradiation effect on magnetic behavior of polycrystalline Cu substituted ZnO
Dr. K. Hari Prasad -1st	Department of Physics, Pondicherry University, Puducherry-605 014, India	Structural and Electrical conductivity studies of LiMnBO <sub>3</sub> Nanoparticles
Dr. K. Hari Prasad -2nd	Department of Physics, Pondicherry University, Puducherry-605 014, India	Effect of calcination temperature on structural, and electrical conductivity studies of LiMgBO <sub>3</sub> particles
Dr. K. Hari Prasad -3rd	Department of Physics, Pondicherry University, Puducherry-605 014, India	Preparation and electrical properties of Li <sub>1.3</sub> Al <sub>0.3</sub> Ti <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub> electrolyte thin films grown by RF magnetron sputtering
Dr. K. Hari Prasad -4th	Department of Physics, Pondicherry University, Puducherry-605 014, India	Electrical and dielectric properties of LiCoO <sub>2</sub> thin films grown by RF magnetron sputtering
Dr. K. Hari Prasad -5th	Department of Physics, Pondicherry University, Puducherry-605 014, India	Structural and Electrical Conductivity studies of NaNiPO <sub>4</sub> for Sodium-Ion Battery Applications
Mr.Durga Prasad Dash	Department of Electronics and Communication Engineering, National Institute of Science and Technology, Berhampur-761008, Odisha, India	Performance Analysis of Empirical Models over Degradation of Solar Cell Unified to Proton Irradiation

Dr. B.K.Sahoo	PG Department of Physics, Government College (Autonomous) Angul, Odisha-759143, India	Study of effective de-Gennes factor on SC critical temperature in mixed rare earth Nickel borocarbide superconductors
Dr. Salila Das-1st	Department of Physics, Berhampur University	THEORITICAL STUDY OF FREE ENERGY AND SPECIFIC HEAT OF RARE EARTH NICKEL BOROCARBIDE SUPERCONDUCTORS
Dr. Salila Das-2nd	Department of Physics, Berhampur University	THEORITICAL STUDY OF MAGNETIZATION AND POLARIZATION IN MULTIFERROIC MATERIALS
Mr. Bhupendra Pratap Singh	Department of Physics, University of Lucknow, Lucknow-226007 India	Influences on the dielectric and electro-optical properties of nematic liquid crystal doped with the gold nanoparticles
Y.Veerawamy	Dept.of Physics, Osmania University, Hyderabad (TS)-500007, India.	Structural and magnetic properties of Cr:In <sub>2</sub> O <sub>3</sub> thin films by PLD technique
<u>Sumit Bawari</u>	Tata Institute of Fundamental Research- Hyderabad, 36/P, Serilingampally Mandal, Gopanpally Village, Hyderabad - 500107, India.	Mapping the Hydrogen Evolution Reaction in Graphene-hBN van der Waals Heterostructures
Mr. Irshad Ahmad Mir	School of Physical Sciences, Jawaharlal Nehru University, New Delhi-110 067, India	Ultrasensitive Detection of Mercury and Arsenic by Glutathione Capped AgInS <sub>2</sub> Quantum Dots
Mr. Ayan Mitra	Solid state Research Laboratory, Department of Physics, Burdwan University, Burdwan- 713104, India	Magnetoelectric properties of Ho <sup>3+</sup> and Ti <sup>4+</sup> co-doped La <sub>0.9</sub> Ho <sub>0.1</sub> Fe <sub>0.9</sub> Ti <sub>0.1</sub> O <sub>3</sub>
Mr SHAKTI SHANKAR RAY	Department of Applied Physics, Indian Institute of Technology(Indian School of Mines),Dhanbad,Jharkhand, 826004	Interaction of Molecular Hydrogen with Na Doped <i>Closo</i> - Borane(B <sub>6</sub> H <sub>6</sub> Na <sub>2</sub> ) : A DFT Study
Mr. Ashish Kore	Department of Physics, Visvesvaraya National Institute of Technology Nagpur, Nagpur-440010, India	DFT studies of hybrid halide pervovskites based ferroelectric topological insulators (FETI).
Oindrila Halder	School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Jatni -752050, Khurda, India.	Mn Doping Induced Optical and Magnetic Properties of Ultrathin CdSe Nanosheets

ROSHAN DEV SAHU	Department of Electronics and Communication Engineering, National Institute of Science and Technolog , Palur Hills, Berhampur, Odisha-761008, India.	III-Nitride Multiple QW based Insulated Gate Three Terminal LED for Low Cost Display Applications
Shreeja Das	School of Minerals, Metallurgical and Materials Engineering, Indian Institute of Technology Bhubaneswar.	Improving Hydrogen Storage in 2D h-BN by Cerium Decoration – A DFT Study
Ms.Aradhana Roy	Liquid Crystal Research Lab, Physics Department, University of Lucknow, Lucknow, India-226007	Quantum Dot Dispersed Ferroelectric Liquid Crystal Illustrating Enhanced Optical Activity and Photoluminescence Intensity
Surender Lal	<i>School of Basic Sciences, Indian institute of Technology, Mandi, Himachal Pradesh -175005, India</i>	Thermal Conductivity of Multiferroic Material YBaxSr1-xCuFeO5 (x= 0, 0.25, 0.5)
D. Surya Bhaskaram	Department of Physics, School of Physical, chemical and applied sciences, Pondicherry University, R.V. Nagar, Kalapet, Puducherry-605014, India	The Facile Synthesis and Electrical Properties of SiO2/ Reduced Graphene Oxide Nanocomposite
<u>Dhruba Das</u>	Department of Physics, Nano Functional Materials Technology Centre and Materials Science Research Centre, Indian Institute of Technology Madras, Chennai 600036, India	As grown nitrogen vacancy centers in diamond by hot filament chemical vapour deposition without ex-situ N2 doping
Dr. Duryodhan Sahu	National Institute of Science and Technolog , Palur Hills, Berhampur, Odisha-761008, India.	Synthesis and Characterizations of Novel Narrow Band-gap Thieno[3,4-c]pyrrole-4,6-dione Based Linear to Star-burst D-A Conjugated Oligomers for Bulkheterojunction solar cells
Ms. Namita Jena	National Institute of Science and Technolog , Palur Hills, Berhampur, Odisha-761008, India.	Size Quantization Effect in Water-dispersible LEEH Capped ZnSe Nanocrystals
<b><u>B. Chandra Sekhar</u></b>		Preparation,characterisation and PTCR study of Calcium Barium Niobate Ceramics
Sisir Chowdhury	Indian Institute of Technology Kharagpur, Kharagpur-721302 India	Analysis of MOCVD Grown Indium Gallium Arsenide Layer on Buffered Silicon Substrate by X-ray Photoelectron Spectroscopy

Sarita Parmar	School of Studies in Chemistry and Biochemistry, Vikram University, Ujjain (M.P.)	Synthesis, Characterization and application of Cobalt Tungstate nanoparticles in Synthesis of heterocyclic compounds
Dr. Ramesh Kumar	Department of Physics, Guru Jambheshwar University of Science & Technology, Hisar	A Theoretical Study of Cu(In,Ga)Se <sub>2</sub> Solar Cell with efficiency up to 21.65%
Mr.Sofi Suhail Majid	Department of Physics, Aligarh Muslim University, Aligarh 202002, India	Structural, electrical and electronic structure studies of coexisting B and M VO <sub>2</sub> Polymorphs
Imtiaz Noor Bhatti	School of Physical Sciences, Jawaharlal Nehru University, New Delhi-110067, India	Structural Characterization and Charge Transport Study in Electron Doped Sr <sub>2</sub> IrO <sub>4</sub> : A novel Jeff = ½ insulator
Dr. Satya Prakash Yadav	Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, India-221005	Effect of Carbon Nanotubes on the Response of Ferroelectric Liquid Crystals
Mr. Mukhtiyar Singh	Department of Applied Physics, Delhi Technological University, Delhi-110042, India	Corroborating the Spin Gapless Character of Ti <sub>2</sub> MnAl Inverse Heusler Alloy: A study of Strains Effect
Mr GOPAL HANSDAH	Dept. of Physics, National Institute of Technology Raipur, GE Road, Raipur-492010, CG, INDIA	Pyroelectric effect and Thermal conductivity of AlN/GaN heterostructures
Dr. (Ms)B. Dhanalakshmi	Department of Physics, Vignan's Institute of Information technology, Visakhapatnam 530049, India	Multiferroic and magnetoelectric studies on BMFO-NZFO nanocomposites
Ms.GEETANJALI PUROHIT	School of Physics, Sambalpur University, Jyoti Vihar, Burla, Odisha	Study of anisotropy properties of penetration depth of optimally doped Ba(Fe <sub>0.926</sub> Co <sub>0.074</sub> ) <sub>2</sub> As <sub>2</sub> single crystal
Ms.Anjli Rana	Department of Physics, Himachal Pradesh University, Shimla-171005, India	Raman Study of Ga Doped Ge-S Glassy Alloy
Mr.Saddam Husain Dhobi	Tribhuvan University Kathmandu Nepal	Method of Construction of Material that work on all the range of Wavelengths or Frequency or Energy of Photon.
Mr. Shivam Kansara	Advance Materials Lab, Department of Applied Physics, S.V. National Institute of Technology, Surat 395007, India	Adsorption of H <sub>2</sub> S gas molecule on Cu <sub>4</sub> cluster based on h-BN Sheet
Ms. Janki Shah	Department of Applied Physics, S.V. National Institute of Technology, Surat 395007, India	Synthesis of Al <sub>2</sub> O <sub>3</sub> Nanoparticles from Organic and inorganic Precursors



Mr.Sandip R. Kumavat	Advanced Materials Lab, Department of Applied Physics, S.V. National Institute of Technology, Surat 395007, India	Ab initio calculation of structural and optical properties of BaReO <sub>3</sub> : A strain Engineering
Ms.Renu Gupta	School of Physical Sciences Jawaharlal Nehru University, New Delhi-110067, India	Investigation of structural and magnetic properties of SrRuO <sub>3</sub> by Ir doping at Ru site
Mr.Subrata Jana	School of Physical Sciences, National Institute of Science Education and Research, Bhubaneswar 752050,	Assessing the Band Gap Problem by Laplacian free Model Exchange Potential: A modified Becke-Roussel Approach
Mr. Bikash Patra	School of Physical Sciences, National Institute of Science Education and Research, Bhubaneswar 752050,	Range separated hybrid density functional using semilocal exchange hole
Dr. Ramakanta Naik	Central Institute of Plastic Engineering and Technology, Bhubaneswar, 751024, India	Optical band gap tuning with Bi and Ag deposition on Bi(Ag)/Sb <sub>2</sub> S <sub>3</sub> bilayer thin film
Ms. Adyasha Aparimita	Department of Physics, Utkal University, Bhubaneswar, 751004, India	Effect of Bismuth on Structural and Optical Properties of Ge <sub>30</sub> Se <sub>70</sub> Amorphous Thin Film
Mr. Subrajeet Rout	Department of Physics, Orissa University of Agriculture and Technology, Bhubaneswar-751003, Odisha, India	Impact of Nitrogen Cold Plasma Treatment on Fibers of Luffa Cylindrica
Aadhityan A	Department of Physics and nanotechnology, Center for material science and nanodevices, SRM University, Kattankulathur, Tamil Nadu, India.	First principle investigation of rectification effect in gold/2,5-dichlorobenzene-1,3-dithiol/gold single molecular junction
Ms. Kavita Yadav	School of Basic Sciences, Indian Institute of Technology, Mandi, Himachal Pradesh -175005, India	Tuning the magnetic properties of a Heusler alloy Fe <sub>2</sub> CrAl by Mn substitution at Fe site
Mr. K. C. Kharkwal	School of Physical Sciences, Jawaharlal Nehru University, New Delhi, India, 110067	Temperature Dependent Structural Investigations in Sr <sub>2</sub> FeIrO <sub>6</sub>

Ambika Pathak	Organic Materials Laboratory, Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee – 247667, India.	Methyl Substitution as a Facile Approach to Fine Tune Photophysical and Electroluminescence Properties of Benzothiadiazole-Based Emitters
Mr. Vikash Sharma	UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore 452001, MP, India.	Synthesis, characterizations and thermoelectric properties of bulk nanostructured lead telluride
Mukta Behera	Department of Physics, Utkal University, Bhubaneswar, 751004, India	Thermal annealing induced diffusion of bismuth at the interface in Bi/As <sub>2</sub> Se <sub>3</sub> bilayer thin films
Mr. Tanmoy Basu	Centre for Advanced 2D Materials, Faculty of Science National University of Singapore, Singapore	Probing surface conductivity of ion irradiated single layer graphene
Dr. BALAJI RAO RAVURI	High energy materials Research Laboratory, School of Technology, GITAM University, Hyderabad 502329, India	Electrochemical performance of Tin <sup>IV</sup> Vanadate glass anode for sodium ion batteries
Mr. A.K.Sahu	Seemanta Engineering College, Jharpokharia-757086, Mayurbhanj, Odisha, India.	The effect of dynamic Jahn-Teller interaction on the Raman peaks in manganites
Dr. Kanchan Upadhyaya	Centre of Nanoscience and Nanotechnology, Mahatam Gandhi University, Kottayam, Kerala India-686560	Effect of Gd <sup>3+</sup> codoping on photoluminescence behaviour of Er <sup>3+</sup> doped Y <sub>2</sub> O <sub>3</sub> phosphor
Monisha P J	Department of Physics, BCM College Kottayam, Kerala, India	The existence of bipolaron in Gaussian quantum dots
Dr. P.S. Sahu	Department of Physics, North Orissa university, Bariada, Mayurbhanj, Odisha, India	Electrical properties of Zr-substituted Ferroelectric Ceramics
Mr. A. G. Lone	Department of Physics, Pondicherry University, R.Venkataraman Nagar, Kalapet, Pondicherry – 605014, India	Structural, magnetic and magnetoelectric properties of $\eta$ -Fe <sub>1.2</sub> Ga <sub>0.8</sub> O <sub>3</sub> system
Mr. Saurabh Singh	School of Engineering, Indian Institute of Technology, Mandi, Himachal Pradesh -175005, India	Understanding the Thermopower Behavior of LaRhO <sub>3</sub> Compound Using First Principles Calculations

Mr. Ambika Ray	Material Research Laboratory, School Of Physics, Sambalpur University, Jyoti Vihar, Burla, Odisha, India 768019	Comparison of dielectric and electrical properties of as-prepared and ion irradiated BiFeO <sub>3</sub> -PbZrO <sub>3</sub> composites
Mr. Amit Kumar Baghel	Department of Electronics and Electrical Engineering IIT Guwahati	Improving Radiation Efficiency using Metamaterial in Pyramidal Horn Antenna
Y.Veerawamy	Department of Physics, Osmania University, Hyderabad (TS), India PIN: 500007.	Temperature, magnetic field strength and chromium substitution effect on the magnetic properties of cobalt ferrite nano particles
Dr. R L Hota	Department of Physics Central Institute of Technology Kokrajhar, BTAD, Assam - 783370, India	Theory of magnetization in Pb <sub>1-x-y</sub> Mn <sub>x</sub> Sn <sub>y</sub> Se: Contributions from local moments and band effects
Y.Veerawamy	<i>Department of physics, Osmania University, Hyderabad (TS), India-500007.</i>	Nano fern like gold thin films grown by Electron Beam Evaporation Technique
Saparjya Samarpita	Department of Physics, Veer Surendra Sai University of Technology, Burla-768018.	Structural and Electrical properties of rare earth doped BFO-STO based solid solutions
Anita Mekap	Rama Devi Women's University, Bhubaneswar-22, Odisha , India	Dielectric, magnetic and electrical properties of Zn <sub>0.5</sub> Cd <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ceramics
Y.Veerawamy	Department of physics, Osmania University, Hyderabad (TS) 500007, India	Structural and Photoluminescence properties of Ta: In <sub>2</sub> O <sub>3</sub> Thin Films grown by Pulsed Laser Deposition Technique
Mr.Lopamudra Satpathy	Centre of Studies in Surface Science and Technology, School of Chemistry, Sambalpur University, Jyoti Vihar – 768 019, India	Solvent Effect on fluoridation of Bromoethane: A Computational Study
Niranjan Panda	Department of Physics, Central Institute of Technology, Kokrajhar, BTAD, Assam-783370	Electrical Characterization of 'Ba' doped new double Perovskites
D. K. Pattanayak	Department of Physics, GIET, Gunupur, Rayagada, Odisha - 765022 (India)	Structural and Optical behavior 'Ba' modified Pb <sub>2</sub> BiNbO <sub>6</sub> double Perovskites
Dr.S. S. Acharya	Department of Physics, ITER, Siksha 'O' Anusandhan University, Bhubaneswar 751030, India	Composition Dependence of Magnetoresistance in Fe <sub>1-x</sub> Ni <sub>x</sub> Alloys

Dr. Muralikrishna Molli	Department of Physics, Sri Sathya Sai Institute of Higher Learning, Prasanthinilayam, India 515134	Doping and temperature dependent thermoelectric properties of $\text{NaNbO}_3$
Mr. Rudranarayan Khatua	Department of Applied Physics, Indian Institute of Technology (Indian School of Mines) Dhanbad, Jharkhand-826004	THEORETICAL STUDY OF CHARGE TRANSPORT IN TETRAHYDROXY PYRENE (THP) BASED ORGANIC SEMICONDUCTOR
Ms. Rozalin Panda	Department of Physics, Utkal University, Vani Vihar, Bhubaneswar, 751004, India	Low temperature synthesis of embedded $\text{AgInSe}_2$ nanocrystallites in an amorphous matrix
Mr. Asit Ku. Shadangi	Ramajee Mahavidyalaya, Bhismagiri -761055, Ganjam, Odisha, India.	Theoretical study of dynamic spin susceptibility in f-electron systems in the ferromagnetic state
Dr. Dhiren K. Pradhan	Extreme Materials Initiative, Geophysical Laboratory, Carnegie Institution for Science, Washington, DC 20015, USA	Probing the local and global ferroelectric phase transitions of multiferroic thin films: Mapping the temperature-composition space to confidence
Ms. Kritika Anand	Academy of Scientific and Innovative Research (AcSIR) and CSIR-National Physical Laboratory, Dr. K.S Krishnan Marg, New Delhi-110012	Thermal and Magnetic Property Correlation of Melt-spun MnBi Permanent Magnet Materials
Ms. Divya Verma	Laboratory of Heterocycles and Nanomaterials, School of Studies in Chemistry & Biochemistry, Vikram University, Ujjain, Madhya Pradesh 456010, India	Synthesis, characterizations and dynamic light scattering study of $\text{Fe}_3\text{O}_4$ nanoparticles in aqueous media
Mr. Abhilash Patra	School of physical Sciences, National Institute of Science Education and Research, Bhubaneswar, 752050	An Assessment of Semi-local Exchange potentials in the Band Gap Calculation
Dr. Narayan Sahoo	Department of Electronics and Communication Engineering, National Institute of Science and Technology, Palur Hills, Berhampur – 761008, Odisha, India	Effect of Parabolic Potential on Improvement of Electron Mobility in Hybrid Double Quantum Well Structure
Mr. Keshab Ch. Shadangi	Science (Auto) College, Hinjilicut, Ganjam, Odisha, India, pin-761201.	Microscopic Theory of Raman Spectra in Heavy Fermion Systems in Kondo - lattice Model

Mr.Shubhadeep Pal	Tata Institute of Fundamental Research Hyderabad	Covalently Connected Carbon Nanotubes as Electrocatalysts for Hydrogen Evolution Reaction through Band Engineering
<u>Dr. Nipin Kohli</u>	Department of Physics, Guru Nanak Dev University, Amritsar-143005, India	Structural and optical properties of MWCNT-CeO <sub>2</sub> nanocomposites
Mukulika Jana Chatterjee,	Department of Physics, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103, West Bengal, India	Polypyrrole/nickel doped bismuth selenide composite - a promising polymer based thermoelectric material
Ms. khusboo Agrawal	Department of Physics, Veer Surendra Sai University of Technology, Burla-768018, Sambalpur, India	Electrical Properties of New Lead free Na <sub>2</sub> Ba <sub>2</sub> Dy <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> V <sub>4</sub> O <sub>30</sub> Dielectric Ceramic
Dr. S. K. Parida	Department of Physics, ITER, Siksha 'O' Anusandhan University, Bhubaneswar-751030, India	Structural and Electrical Properties of CuNiO <sub>2</sub> Nanoparticles Prepared by Chemical Route
Dr. M. N. Prabhakar	School of Mechatronics, Changwon National University, Changwon, South Korea 641-773.	Preparation and study on the properties of Flax fabric/Thermoplastic Cationic Starch Bio-composite
Dr Rashmi Rekha Mohanta	Department of Chemistry, K.B.D.A.V. College, Nirakarpur, Khurda 752019, Odisha, India	Nano-pattern formation on SrTiO <sub>3</sub> /Si(111) surface
Mr.Satyajit Ratha	School of Basic Sciences, Indian Institute of Technology, Bhubaneswar 751013, India.	Vanadium Diselenide-reduced Graphene Oxide Hybrid as High Performance Field Emitter
Dr, Susanta Kumar Das	Dept. of Physics, School of Applied Sciences, KIIT University, Bhubaneswar, 751024, India	Growth of ZnO nanofibers by chemical bath deposition method
Deshraj Meena	Department of Applied Physics, Delhi Technological University, Bawana Road, Shahbad, New Delhi, Delhi- 110042	Synthesis, characterization and gas sensing properties of the rhombohedral ilmenite CdSnO <sub>3</sub> nanoparticles
Dr. PiyushR Das	Department of Physics, Veer Surendra Sai University of Technology, Burla-768018, Sambalpur, India	Impedance and Modulus Analysis of Na <sub>2</sub> Pb <sub>2</sub> Nd <sub>2</sub> W <sub>2</sub> Ti <sub>4</sub> V <sub>4</sub> O <sub>30</sub> Ferroelectric Cerami
<b>NB: Accomodations are not available in Hostels at present</b>		