CONFERENCE SCHEDULE

TEQIP –III Sponsored National Conference
on
Smart Materials, Devices and Sustainable Technologies (SMDST-2019)
15-16, March 2019

Day-1 : 15th March, 2019 (Friday)

TIMINGS	ACTIVITY	SPEAKER
8:30 to 10:00 hrs	Registration (ITRC Lounge)	
10:00 to 10:40 hrs	Inaugural Session	**Prof. Mushahid Husain,** Chief Guest and Key Note Speaker, Former-Vice Chancellor M.J.P. Rohilkhand University, Bareilly,UP & Former Director, Centre for Nanoscience and Nanotechnology, Jamia Millia Islamia, New Delhi **Prof. S. N. Singh,** Chairman, Hon'ble V.C., M.M.M. University of Technology, Gorakhpur
10:40 to 11:00 hrs	High Tea (ITRC Lounge)	
11:00 to 11:50 hrs	Key Note Session	**Prof. Mushahid Husain,** Key Note Speaker
11:50 to 12:20 hrs	Plenary Session-1, Chaired by Prof. L. N. Tripathi, Ex Chairman, UPHESSC, Allahabad	**Invited Talk-1** : Prof. Kedar Singh, School of Physical Sciences, JNU, New Delhi
12:20 to 12:50 hrs	Plenary Session-1	**Invited Talk-2** : Prof. Ravindra Dhar, Centre of Materials Science, University of Allahabad, Allahabad, India
12:50 to 13:50 hrs	Technical Session- 1,	OP 1 to OP 15
13:50 to 14:30 hrs	Lunch (Guest House)	
14:30 to 15:00 hrs	Plenary Session-2, Chaired by Prof. Himanshu Pandey, DDUGU, Gorakhpur	**Invited Talk-1:** Prof. Rajendra Kumar Singh, Department of Physics, Banaras Hindu University, Varanasi
15:00 to 15:30 hrs	Plenary Session-2	**Invited Talk-2:** Prof. Umesh Yadava, Department of Physics, DDU Gorakhpur University, Gorakhpur, India

15:30 to 16:00 hrs	Plenary Session-3, Chaired by Prof. R.K. Singh, Banaras Hindu University, Varanasi	**Invited Talk-1:** Prof. S. K. Tripathi, Department of Physics, MGCU, East Champaran, Motihari, Bihar
16:00 to 16:30 hrs	Plenary Session-3	**Invited Talk-2:** Prof. B.C. Yadav, Babasaheb Bhimrao Ambedkar Central University, Lucknow
16:30 to 16:45 hrs	Tea Break (ASD)	
16:45 to 17:45 hrs	Technical Session- II **Chaired By :** Prof. Umesh Yadav, DDU Gorakhpur University, Gorakhpur	OP 16 to OP 30
17:45 to 18:45 hrs	Technical Session-III **Chaired By :** Prof. Kedar Singh, School of Physical Science, JNU, New Delhi	OP 31 to OP 45
20:30 Onwards	Conference Dinner (Guest House)	

Day-2: 16th March 2019 (Saturday)

9:00 to 09:30 hrs	Plenary Session-4, Chaired by Prof. Kedar Singh, School of Physical Science, JNU, New Delhi	**Invited Talk-1:** Dr. A.K. Thakur, Department of Physics, IIT Patna
9:30 to 10:00 hrs	Plenary Session-4	**Invited Talk-2:** Dr. Yogendra Kumar Prajapati, ECE Department, MNNIT, Allahabad
10:00 to 10:30hrs	Plenary Session-5, Chaired by Prof. A.K. Thakur	**Invited Talk-1:** Dr. Brijesh Kumar, ECED, MMMUT, Gorakhpur
10:30 to 11:00hrs	Plenary Session-5	**Invited Talk-2:** Prof. S. N. Pandey, Department of Physics, MNNIT, Allahabad
11:00 to 11:15 hrs	Tea Break (ASD)	
11:15 to 12:15 hrs	Technical Session-IV **Chaired By :** Prof. S.N. Pandey, Department of Physics, MNNIT, Allahabad	OP 45 to OP 60
12:15 to 13:30 hrs	Technical Session-V **Chaired By :** Dr. Y. K. Prajapati, ECE Department, MNNIT, Allahabad	OP 61 to OP 75
13:30 to 14:30 hrs	Lunch (Guest House)	
14:30 to 15:30 hrs	Technical Session-VI, **Chaired By:** Dr. Brijesh Kumar, ECED, MMMUT	OP 76 to 113
15:30 to 16:00 hrs	Valedictory session	**Prof. L. N. Tripathi,** Ex-Chairman, UPHESSC, Allahabad

National Conference OnSmart Materials, Devices and Sustainable Technologies

(SDMST-19), 15-16 March 2019

Group-I: OP 1-25: Amorphous Materials and Glasses, Solar Cell/Optical Devices

S.No	Title and Authors
OP-1	**Effect of laser irradiation on some thermo-mechanical properties & Raman spectrum of glassy $Se_{76}Te_{20}Sn_2Cd_2$ alloy** Amit Kumar, Neeraj Mehta
OP-2	**Effect Of Defects At Interface In Colloidal Quantum Dot Solar Cell** Ankita Sharma, Dr. Bramha P. Pandey
OP-3	**Studies on crystallization kinetics in chalcogenide glasses** Archana Srivastava[1]*, S. N. Tiwari[2], Shamshad A. Khan[1]
OP-4	**EFFECT OF DEFECTS AT INTERFACE IN COLLOIDAL QUANTUM DOT SOLAR CELL** *Ankita Sharma and Dr. Bramha P. Pandey*
OP-5	**Optoelectronics Materials, Devices & Its Applications** Huma Khan, O P Singh
OP-6	**Multicolor and white light emitting Tb^{3+}/Eu^{3+} co-doped $Ca_2Ga_2SiO_7$ phosphor via energy transfer for solid state lighting applications** Kaushal Jha[1] and Kusum Rawat
OP-7	**Growth and characterization of Cu_2ZnSnS_4 nanoparticles for photovoltaic applications** Kusum Rawat[1*], Kaushal Jha[2] and P.K. Shishodia
OP-8	**Effect of barrier thickness and height on the transmission coefficient of GaAs/Ga1-x Alx As quantum cascaded laser (QCL)** Manish Kumar Yadav, Bramha P. Pandey and Dharmendra Kumar
OP-9	**High concentration (3wt %) of colloidal gold nanoparticles dispersed with discotic liquid crystalline material for photovoltaic applications** Mukesh Mishra[a&b], Sandeep Kumar[c], and Ravindra Dhar
OP-10	**Synthesis of TiO_2 Nanoparticles and its Application as Dye-sensitized Solar cell (DSSC)** Navin Chaurasiya [1, 2 *], Pramod Kumar Yadawa [2], B.C. Yadav
OP-11	**Influence of thermal annealing on structural and optical properties of $Sb_{0.5}ZnTe$ thin film**

	Neha Pandey[1], Brijesh Kumar[1*], D. K. Dwivedi
OP-12	**A.C. conduction mechanism of $Se_{90}Cd_6In_4$ glassy alloy** Nitesh Shukla, Pravin Kumar Singh and D.K. Dwivedi
OP-13	**Investigation of dielectric behaviors and a.c. conduction of a-$Se_{90}Cd_{10-x}Sb_x$ ($2 \leq x \leq 8$) chalcogenide glass** Nitesh Shukla, Pravin Kumar Singh and D. K. Dwivedi
OP-14	**Study of Structural and optical properties of non-oxide $Se_{90}Cd_{10-x}Sb_x$ ($2 \leq x \leq 8$) chalcogenide thin films** Nitesh Shukla, Pravin Kumar Singh, H. P. Pathak and D.K. Dwivedi
OP-15	**Optical Fibre Sensors for Photonic Applications** Rajnish Raj[1], Pooja Lohia[1*] and D.K. Dwivedi
OP-16	**Effect of annealing on the structural and optical properties of amorphous $Ge_8Se_{60}Te_{20}Sb_2$ thin films** Pravin Kumar Singh[1], Pooja Lohia[2], D. K. Dwivedi
OP-17	**Dielectric relaxation and ac conductivity in amorphous $Ge_8Se_{60}Te_{30}In_2$ chalcogenide glass** Pravin Kumar Singh, Nitesh Shukla, Vandita Rao, D. K. Dwivedi
OP-18	**Effect of Ge and Te on physical properties of Cu-Se-In-M (M = Ge, Te) chalcogenide glass** Priyanka Jaiswal, Vandita Rao, D. K. Dwivedi
OP-19	**Studies on nanochalcogenide thin films** **Ravi P. Tripathi[*],** Shamshad A. Khan
OP-20	**Numerical Simulation for Enhancement of the Output Performance of CZTS Thin Film Photovoltaic Cell** Sadanand and D.K Dwivedi
OP-21	**Effect of Optimizing Different Layers on Power Conversion Efficiency of Perovskite Solar cell** Shambhavi Rai, B.K. Pandey, and D.K. Dwivedi
OP-22	**Effect of Ge incorporation on the thermal analysis of chalcogenide glassy $Se_{78}Te_{20}Sn_2$ Alloy** **Shiv Kumar Pal, Neeraj Mehta**
OP-23	**Annealing effect on the optical properties of multi walled CNT doped $Cu_5Se_{75}Ge_{10}In_{10}$ thin films prepared by thermal evaporation method** Surabhi Mishra[1], Priyanka Jaiswal[1], Pooja Lohia[2] and D.K. Dwivedi
OP-24	**Comparative Investigation of Se-Te-M (M = Sb, Ge) Semiconducting Glassy Alloys: Thermal Characterization** Vandita Rao[1], H. P. Pathak[1], Pooja Lohia[2], D. K. Dwivedi
OP-25	**Fabrication of a periodic silicon micro-pillars array for photovoltaic application** Vineet Kumar Singh

Group-II: OP 26-37: Metals, Composites, Ceramics and Polymer & Nano Materials

S.No	Title and Authors
OP-26	**Detection of toluene using CdS-doped TiO_2 thin film gas sensor** Ankit Kumar Vishwakarma, Lallan Yadav
OP-27	**Carbon-based vertical nanostructures for different electronic applications: A Review** Ayushi Tripathi, B. C. Yadav* andR. K. Tripathi*
OP-28	**Fabrication of flexible transparent thin films of CA:PVP/ZnO/TiO_2 doped with Flavonoid (Quercetin) for UV Radiation Shielding** B. Chandra Obulesu, Roshni Sharama , Vivek Chandel, Jyoti Bamne and Fozia Z. Haque*
OP-29	**Synthesis, mechanism of antimicrobial action, characterization, medical applications, and toxicity effects of silver nanoparticle** Kapil Pandey
OP-30	**SYNTHESIS AND REACTION OF ELECTROPHILIC CLEAVAGE REACTIONS OF TIN CARBON BOND(S)** Neeraj kumar verma* D.B. Singh, R.K.Mall
OP-31	**MONITORING OF PM2.5 AND PM10** Osheen Verma , G.R. Mishra , O.P.Singh
OP-32	**Review: polypyrrole-graftedgraphene** Pradeep Kumar*, C.K. Dixit
OP-33	**Modelling for the Prediction of Melting Temperature for Metallic Nanoparticles** Sachin[1], Brijesh K Pandey[2]andRatan L Jaiswal
OP-34	**Studies on Silicon Quantum Dots Thin Films** Shamshad A. Khan
OP-35	**Structural, morphological and electrical properties of CdO thin film prepared by sol-gel spin coating method** Renu Kumari, Vipin Kumar
OP-36	**Optical Study of doped Alkali Titanates** Navshad Alam[2,3*], Vishal Singh Chandel[1,2], Tahira Khatoon[2], Ameer Azam
OP-37	**Recent advancement in the metallopolymeric functional materials for energy harvesting applications** Arpit Verma, Priyanka Chaudhary,R. K. Tripathi, and B. C. Yadav

Group-III: OP 37-50-Active Smart Materials, Energy Storage Materials, Functional, Liquid Crystals

S.No	Title and Authors
OP-38	**Application of Light Weight Smart Distributed Compiler Code as Energy Saving Schema for Digital Processing** Avinash Singh, Arvind Kumar Maurya, Surya P. Singh, Upendra Nath Tripathi, Manish Mishra[1]

OP-39	**Production of Thermoelectric Power by Waste-Heat Energy as an Unconventional Green Skill** Abhay S. Pandey [1], C. K. Dixit [2], and R. Dhar [3]
OP-40	**Production of Thermoelectric Power by Waste-Heat Energy as an Unconventional Green Skill** Abhay S. Pandey [1], C. K. Dixit [2], and R. Dhar [3]
OP-41	**Energy Band Effect on Surface of Single Walled Carbon Nanotubes in magnetic field** Daya Shanker, Kaushalendra Kumar Saxena*
OP-42	**Synthesis, mechanism of antimicrobial action, characterization, medical applications, and toxicity effects of silver nanoparticle** Kapil Pandey
OP-43	**Superionic phase in alkali ion conducting sysytems** K. M. Mishra
OP-44	**An eco-friendly biopolymer for the MFC application** Manindra Kumar[*+], Tuhina Tiwari[*], Neelam Srivastava[*]
OP-45	**Effect of interfacial modifications on magnetic, morphological and magneto-transport behavior of exchange coupled Fe/NiO bilayer with Si substrate** Neelabh Srivastava1* and P.C. Srivastava2
OP-46	**Tunable sensing property of 1D periodic structure with defect of liquid crystal sandwiched by metallic layers** Pawan Singh, Khem B. Thapa[*], Narinder Kumar, Krishan Pal, Devesh Kumar
OP-47	**Functionalized Single-Walled Carbon Nanotubes Dispersed in Liquid Crystal: Interplay with Molecular Dynamics** Abhay S. Pandey[1], C. K. Dixit[2], Sandeep Kumar[3], Roman Dabrowski[4], Prashant K. Pandey[5] and R. Dhar[6]
OP-48	**PROPERTIES AND APPLICATIONS OF IONOGELS** Sarvesh Kumar Gupta, Shivani Gupta & Abhishek Kumar Gupta[*]
OP-49	**RECENT PROGRESS IN POLYMER GEL ELECTROLYTES FOR ELECTROCHEMICAL ENERGY STORAGE DEVICES** **Shivani Gupta*,Sarvesh Kumar Gupta, B. K. Pandey, A.K. Gupta**
OP-50	**Bicomponent Mixtures of Cholesteryl Myristate and 4-*n*-Decyloxy Benzoic Acid: An Experimental and Mathematical Approach** Abhay S. Pandey [1], C. K. Dixit [2], and R. Dhar [3]

Group-IV: OP 50-85-Miscellaneous & Applied Modelling

S.No	Title and Authors
OP-51	**Riccati equations for bounded radiating stars** Dr. Ajey K Tiwari[1]& Prof. S. D. Maharaj[2]

OP-52	**Advances of Wearable Technology** Dr. Ajita Pathak, ECE Department
OP-53	**Pollution caused by Ultra Fine Particles** Akash Dhar Dwivedi[*1], G.R.Mishra[*2] , O.P.Singh[*3]
OP-54	**Molecular docking of a Bio material [1-{[(Z)-Cyclopentylidene]amino}-3-phenylthiourea] by First Principles study** Anoop Kumar Pandey[1], D.V.Shukla[2], Prashant Singh[3],Abhinav Mishra[4], Apoorva Dwivedi[4*]
OP-55	**PREPRATION AND CHARACTERISATION OF MODIFIED POLPROYLENE FROM POLYPROYLENE USING POWER ULTRASOUND (PUS)** Kaman Singh*,Ashok Kumar
OP-56	**Theoretical examinations on a Pyrazolo[3,4-d]pyrimidine derivative** Bindesh Kumar Shukla and UmeshYadava*
OP-57	**Electronic structure and vibrational analysis of Fluphenazine: antipsychotic Drug** D B Singh* and Deepika Nishad
OP-58	**MOLECULAR STRUCTURAL AND SPECTROSCOPIC STUDIES OF FLUPHENAZINE BY DFT CALCULATION: ANTIPHSYCHOTIC DRUG** D B Singh*and Deepika Nishad
OP-59	**Dockingand Molecular Dynamics Simulation Studies on Some TaxaneDiterpenoids as Microtubule Stabilizers** Hari Om Gupta[1] and UmeshYadava[2]*
OP-60	**Alternative Smart Green Approaches for the Conventional Petroplastic: A Critical Review** Kashish*
OP-61	**Kernel Based Mean Shift Object Tracking Algorithm for Real Time Dynamic Objects** N. Pandey[1], M. Mishra[2], U.N. Tipathi[3]
OP-62	**DFT Calculation of 5 phenoxybenzimidazole :An Antiviral drug** D.B.Singh, Piyushika Dixit*
OP-63	**Prediction of Plasma Protein Binding of Compounds Using Artificial Neural Network** Rajnish Kumar[1], Anju Sharma[1,4], Ganga Ram Mishra[2], Mohammed Haris Siddiqui[3], Rajesh Kumar Tiwari[1]
OP-64	**Molecular modeling studies of bis-amidines as novel anti-pneumocystis drugs** Sanjai Kumar Yadav[1],Ramesh Kumar Yadav[2], and UmeshYadava*[1]
OP-65	**Electronic structure, IR assignments and docking studies of an indole-chalcone-triazole hybrid with A/T rich DNA duplex** Sanjai Kumar Yadav and UmeshYadava
OP-66	**Fly Ash, a Neglected Smart Construction Material: A Review of the Indian Scenario** Tobby Michael Agwe*, Prof. Govind Pandey* and Dr. S. N. Sharma
OP-67	**FEASIBILITY OF ARTIFICIAL NEURAL NETWORK IN CIVIL ENGINEERING** Vikash Singh[a*], Samreen Bano[c], Md Nazir Hassan[d], Dr. Sabih Ahmad[b]
OP-68	**Influence of Relative Humidity on Device Performance of Dual Gate OTFT Based Organic Sensor**

	Chandani Dubey and Brijesh Kumar
OP-69	**Composite of ceramic zirconium carbide and tungsten: A revolution in solar power technology** Deependra Pandey
OP-70	**Review and Comparisonof various mathematical modeling for solar radiation estimation** Deependra Pandey
OP-71	**Study on Role of Smart Materials in Consumer Electronics** G.R.Mishra
OP-72	**A Theoretic Study of Non-Linear Optical Materials and Its Applications** G.R.Mishra[1], Manish Mishra[2], U.N.Tripathi[2], Vandana Shukla[1] Amity School of Engineering & Technology
OP-73	**Role of Smart Sensing Devices for Internet Of Things** Kamlesh Kumar Singh
OP-74	**Smart Material Based Smart Sensors** Kamlesh Kumar Singh
OP-75	**A REVIEW ON MACHINABILITY OF NICKEL ALLOYS** Pradeep Kumar Gupta1, Sunil Kumar2 Apurva Anand3 and Rajive Kumar3
OP-76	**Prediction of Plasma Protein Binding of Compounds Using Artificial Neural Network** Rajnish Kumar[1], Anju Sharma[1,3], Ganga Ram Mishra[2]
OP-77	**Structural and Optical Properties of $Cu_2ZnSn(S_{0.8}Se_{0.2})_4$Thin Films: A Material for Solar Energy** Sonam Tripathi[1],Brijesh Kumar[1]and D.K. Dwivedi[2]
OP-78	**Performance Analysis of Two andTriple Junction Organic Tandem Solar CellsWith Multi-Wall Carbon Nano Tube Anode Layer** Suboori Najam and Brijesh Kumar
OP-79	**Role of ZnO, TiO_2 and their Applications as Photovoltaic and Photocatalysts: A Review** Shweta, Krishan Pal, Khem B. Thapa[*]
OP-80	**Role of ZnO, TiO_2 and their Applications as Photovoltaic and Photocatalysts: A Review** Shweta, Krishan Pal, Khem B. Thapa[*]
OP-81	**Recent Progress in Thermoelectric (TE) Power Generation** Vishal Singh Chandel* and Akhilesh Kumar Mishra
OP-82	**Multiband monopole antenna for 4G Mobile Phones** Pradutt Kumar Bharti[*], Nitesh Shukla, Vandita Rao, Dilip Kumar, Ajey K. Tiwari and B. K. Pandey
OP-83	**Density functional study of vibrational properties of Zn_xTe_y nanoclusters** *D. K. Pandey[1] and P. S. Yadav[2]*
OP-84	**Theoretical Study of a Bioactive Natural Bio Molecule: Iso-dihydro-Cadambine**

	Ashok Kumar mishra[1*], Satya Prakash Tewari[2]
OP-85	**Current Progress in Ionic Liquid-Based Electrolytes: Advantages and Challenges** Abhishek Kumar Gupta[*1], Sarvesh Kumar Gupta[1], Shivani Gupta[1] and Rajendra Kumar Singh[2]
OP-86	**Relationship between rising phase of solar cycle 23rd and 24th with respect to geoeffectiveness** Beena Bhatt1, Harish Chandra2
OP-87	**Halo coronal mass ejection without DH-type II radio burst in ascending phase of solar cycle 23rd and 24th** **Harish Chandra1, Beena Bhatt2**
OP-88	**Polyacrylamide Based Polymers: Smart Materials Used in Wastewater Treatment** Amar Nath and P.P.Pande Applied Science Department, M.M.M. University of Technology, Gorakhpur- 273010
OP-89	**Switching, optical and Thermodynamical parameters of a ferroelectric liquid crystalline material having SmA*-SmC*-SmBh* phase sequence** **Ashwani Kumar Singh1, Amir Iqbal1, Upendra Bahadur Singh1,2, Roman S. Dabrowski3 and Ravindra Dhar1**
OP-90	**Molecular Docking studies of Flavonoids with DNA** Anamika Shukla*, Ruchi Mishra, Anwesh Pandey, Rolly Yadav, Devesh Kumar
OP-91	**Unveiling the antimicrobial activities of Carbazoles and related analogs through Computational Docking** *Anwesh Pandey*, Anamika Shukla, Rolly Yadav, Ruchi Mishra,*
OP-92	**Molecular docking of a Bio material [1-{[(Z)-Cyclopentylidene] amino}-3-phenylthiourea] by First Principles study** Anoop Kumar Pandey[1], D.V.Shukla[2], Prashant Singh[3], Abhinav Mishra[4], Apoorva Dwivedi[4*]
OP-93	**Perovskite structured nanomaterials as the advanced key for global development of nanotechnology.** Banani Kar*, Diptarka Roy, Surya Pratap Gautam and Anil Kumar Yadav
OP-94	**MOLECULAR STRUCTURAL AND SPECTROSCOPIC STUDIES OF FLUPHENAZINE BY DFT CALCULATION: ANTIPHSYCHOTIC DRUG** D B Singh* Deepika Nishad
OP-95	**PHONON DISPERSION RELATION IN STANENE USING ADIABATIC BOND CHARGE MODEL,** Mr. Kamlesh Kumar *Assistant Professor Physics*
OP-96	**Synthesis, mechanism of antimicrobial action, characterization, medical applications, and toxicity effects of silver nanoparticle** **Kapil Pandey**
OP-97	**Vibrational spectra of (3aR,7aS)-2-{4-[4-(1,2-benzothiazol-3-yl)piperazin-1-yl]butyl}-octahydro-1H-isoindole-1,3-dione (Perospirone): An Antipsychotic Agent**

	DB Singh, Kiran Pandey, Pragya Singh, Madhusmita Singh, Deepika Nishad;
OP-98	**Vibrational spectra of 3-{2-[4-(6-fluorobenzoisoaxazol-3-yl)]-1-piperidyl}-7-hydroxy-4methyl-1,5-diazabicyclodeca 3,5 –dien-2-one 'Paliperidone': Antipsychotic Agent** DB SINGH* , MADHUSMITA SINGH,KIRAN PANDEY,PRAGYA SINGH
OP-99	**Effect of barrier thickness and height on the transmission coefficient of GaAs/$Ga_{1-x}Al_xAs$ quantum cascaded laser (QCL)** Manish Kumar Yadav[a*], Bramha P. Pandey[b] and Dharmendra Kumar[c]
OP-100	**Even-Odd effect observed in water cluster investigated by Ab Initio methodology** Narinder Kumar, Pawan Singh, Shivani Chaudhary, Bhavna Pal, Devendra Singh, Khem B Thapa, Devesh Kumar*
OP-101	**A detailed study of reactivity patterns of Cytochrome P450 by QM and QM/MM calculations: A Review** Nidhi Awasthi*, Rolly Yadav, Devesh Kumar
OP-102	**Tunable sensing property of 1D periodic structure with defect of liquid crystal sandwiched by metallic layers** Pawan Singh[a], Krishan Pal[a], Narinder Kumar[a], Sudesh K. Singh[b], Khem B. Thapa[a*], Devesh Kumar[a]
OP-103	**Liquid Metal Batteries for Large Scale Energy Storage** P. P. Pande
OP-104	**Vibrational spectra of 2-(4-ethyl piperazine-1-yl)-4(4-fluorophenyl)-5,6,7,8,9,10-hexahydro-cycloocta [b]pyridine {Blonanserin} : an antipsychotic agent** DB Singh*, Pragya Singh, Kiran Pandey, Madhusmita Singh, Deepika Nishad
OP-105	**Solar Photovoltaic Technology -A Review** Praveen Kumar Mishra Prabhakar Tiwari
OP-106	**STUDY OF MOLECULAR PROPERTIES OF NETROPSIN MOLECULE THROUGH COMPUTATIONAL METHOD** D. D. Maurya & Dr. P. K. Singh
OP-107	**TRANSPORT OF LIGHT IN AMORPHOUS PHOTONIC MATERIALS** **Dr. Praveen Kumar Singh**
OP-108	**DFT study on adsorption of N_2O gas on Polypyrrole** Rajkamal Shastri*, Asish Kumar, K. B. Thapa, A. K. Yadav and D. Kumar
OP-109	**Molecular Docking Studies on family of CYP450 Enzymes** *Rolly Yadav*, Anwesh Pandey, Nidhi Awasthi, Anamika Shukla, Devesh Kumar*
OP-110	**Role of Nanoparticles in Cosmetics** Virendra Kumar Mourya[1]*, Vishal Singh Chandel[1] and Om Prakash Singh[2]
OP-111	**The Cleanest Technology for safe and sustainable future**

	Green Electrochemistry **Dr. Apoorv Saraswat**
OP-112	**Environment Sensitive Polymers in Self-Regulated Drug Delivery Systems** Anamica and P. P. Pande
OP-113	**GREEN SYNTHESIS OF QUINAZOLINONE DERIVATIVES USING ISATOIC ANHYDRIDE** **Sumit Kumar, Shailesh Kumar**