

**Subcommittees for International Conference on Nanoscience & Nanotechnology
(ICNN-2017)
September 22-24, 2017**

Accommodation		Remark
1. Prof. Kaman Singh	Dean SPS	Chairperson
2. Dr. Rajshree	DIT	
3. Mr. Pawan Kumar Chaurasia	DAP	
4. Dr. Dharendra Pandey	DAP	
5. Dr. Anees Ahmad	DAP	
6. Mr. Radheyshyam Saroj	DAP	
7. Ms. Y. Kaur Singh	DAP	
8. Mr. Shakti Singh	DAP	
9. Mr. Anwesh Pandey	DAP	
10. Dr. U.V. Kiran	DHSc	
Transport		
11. Dr Ramesh Chandra	DAP	Chairperson
12. Mr. Rajkamal Shashtri	DAP	
13. Mr. Deep Kumar	DAP	
14. Mr. Surya Pratap Gautam	DAP	
15. Mr. Utkarsh Kumar	DAP	
16. Mr. Ratindra Gautam	DAP	
17. Mr. Narindra Kumar	DAP	
18. Mr. Deeptarko	DAP	
19. Mr. Kuldeep Kumar	DAP	
20. Dr. Jiwan Singh	DES	
Registration		
21. Dr. Devesh Kumar	DAP	Chairperson
22. Dr. Ramesh Chaturvedi	DRM	
23. Ms. Samiksha Sikarwar	DAP	Convener
24. Ms. Rolly Yadav	DAP	
25. Dr. Jyoti Pandey	DAC	
Conference Kit		
26. Dr. Surinder Kumar	DAS	Chairperson
27. Dr. D.K. Yadav	DE	
28. Dr. Richa Srivastava	DAP	Convener
29. Ms. Priyanka Chaudhary	CET	
30. Ms. Abhisikta Bhaduri	DAP	
31. Mr. Devendra Singh	DAP	
Catering		
32. Dr. B.C. Yadav	DAP	Chairperson
33. Dr. Shalini Agarwal	DHSc	
34. Dr. Satyendra Singh	GDC	Convener
35. Mr. Radheyshyam Saroj	DAP	
36. Mr. Asheesh Kumar (Senior)	DAP	
37. Mr. Vivek Nautiyal	DAP	
38. Dr. K. B Thapa	DAP	
Banner and Bouquet		
1. Prof R. B. Ram	DAPS	Chairperson
2. Ms. Samiksha Sikarwar	DAP	
3. Dr. Sarita Yadav	DAP	

4. Dr. Jawahar Lal	DAC	
5. Dr. A. K. Yadav	DAP	Convener
Certificate		
6. Dr. K.B. Thapa	DAP	Chairperson
7. Ms. Priyanka Chaudhary	DAP	
8. Ms. Abhisikta Bhaduri	DAP	
9. Dr. Ravikant Tripathi	DAP	Convener
Logistic/hiring services		
10. Prof. Sunita Mishra	D.H.Sc	Chairperson
11. Prof. B.S. Bhadauriya	DAM	
12. Dr. Gajanan Pandey	DAC	
13. Dr. Brijesh Kumar Singh	DAM	
14. Dr. B.C. Yadav	DAP	Convener
Reception		
15. Prof. D.P. Singh	DES	Chairperson
16. Prof R. B. Ram	DAPS	
17. Prof. R. A. Khan	DIT	
18. Dr. Shakeel Khan	DRM	
19. Dr. Kushendra Mishra	DRM	
20. Dr. Jiwan Singh	DES	Convener
Budget and Account		
21. Dr. B.C. Yadav	DAP	Chairperson
22. Mr. J.P. Chaudhary	SO	
23. Mr. Sachin Sahu	Account	
24. Dr. K.B. Thapa	DAP	Convener
Media		
25. Dr. Govindji Pandey	Mass Comm.	Chairperson
26. Dr. A.K. Yadav	DAP	
27. Dr. R.K. Tripathi	DAP	
28. Mr. Asish Kumar (Junior)	DAP	
29. Dr. B.C. Yadav	DAP	Convener
Cultural program		
30. Dr. Neetu Singh	D.H.Sc.	Chairperson
31. Dr. Siddhartha Mukharji	DAC	
32. Dr. Taruna	Pol. Sc.	
33. Ms. Monika Singh	DRM	
34. Ms. AnanyaKumari	DAP	
35. Dr. Jyoti Pandey	DRM	Convener
Auditorium		
36. Prof. M. Y. Khan	DBT	Chairperson
37. Prof. Sunita Mishra	DHSc	
38. Dr. Richa Srivasatava	UIET	
39. Dr. SaritaYadav	DAP	
40. Ms. Monika Singh	DAP	
41. Ms. Ruchi Mishra	DAP	
42. Mr. V.K. Trpiathi	Estate Officer	Convener
Poster Presentation		

<ol style="list-style-type: none"> 1. Prof. Shubini Saraf 2. Dr. K. B.Thapa 3. Dr. Rahul Varshney 4. Mr. Kishan Pal 5. Mr. Pawan Singh 6. Mr. Devendra Singh 	D. Pharma DAP DAP DAS DAP DAP	Chairperson Convener	
Technical	<ol style="list-style-type: none"> 7. Prof. Poonam Tandon 8. Dr. Satyendra Singh 9. Dr. Sarita Yadav 10. Dr. R. K.Tripathi 11. Dr. Preeti Gupta 12. Dr. Alok Kumar Singh 13. Dr. B. C. Yadav 	LU GDC DAP DAP DAC DAC DAP	Chairperson Convener
Disciplinary Committee	<ol style="list-style-type: none"> 14. Prof. Ram Chandra 15. Prof. B.S. Bhadoria 16. Prof. Sudarshan Verma 17. Dr. M.L. Meena 18. Dr. Neetu Singh 	Chief Proctor DSW DSW(Women) Assistant Proctor Assistant Proctor	Chairperson Convener

DETAILED SCIENTIFIC PROGRAMME

FRIDAY, SEPTEMBER 22, 2017

INAUGURAL SESSION

08:30-10:00 Registration and Welcome at BBAU, Lucknow

10:00-12:00 Inaugural Functions

Inaugural Speech on “The Historical Background of Nano-scale Science and Engineering, with Special Attention to Societal Implications” by Prof. Bruce E. Seely, USA

12:00 – 12:15 HIGH TEA

FIRST SESSION (12.15 – 13.45)		
Chairperson: Prof. Bruce E. Seely, USA & Prof. O. N. Srivastava, India		
12.15-13.00 (PT/2)	Interaction of magnetic nanoparticles with cancer cells	Prof. Masatoshi Watanabe
13.00-13.45 (PT/3)	Several approaches for improving sensing properties of semiconductor gas sensor by controlling gas diffusivity and reactivity	Prof. Yasuhiro Shimizu
LUNCH BREAK (13.45-14.30)		
SECOND SESSION (14.30 – 15.50 Hrs.)		
Chairperson: Professor Sabu Thomas, India & Prof. Yasuhiro Shimizu, Japan		
14.30-15.15 (PT/4)	Graphene versus Carbon nanotube: Some recent progresss/devices based on CNT	Prof. O.N. Srivasatava
15.15-15.40 (IT/1)	Ultrasonic Spectroscopy in Nanoparticles - Liquid Suspensions for the Advanced Technology	Prof. Raja Ram Yadav
15.40-15.50 (OP/1)	Low-frequency dielectric response of the charge-density wave in single-crystalline nanowire of pyrochlore	Abhishek Juyal
TEA BREAK (15.50 – 16.00)		
THIRD SESSION (16.00 – 18.30 Hrs.) + Poster Presentation (PP/01 to PP/75)		
Chairperson: Prof. R.R. Yadav & Prof. Bruce E. Seely		
16.00-16.45 (PT/5)	Engineering at the Nanoscale: State of the Art, Challenges and New Opportunities	Prof. Sabu Thomas
16.45-17.10 (IT/2)	Nanomaterials / quantum dots via direct and molecular precursor route	Prof. P.K. Khanna
17.10-17.35 (IT/3)	Precursor Material (Polycarbosilane) a Novel Multifunctional Material for the Preparation and Functionalisation of Nano Materials	Prof. Arvind K. Saxena
17.35-17.50(YR/1)	Atomic MoS _{2(1-x)} Se _{2x} alloy beyond graphene, as a platform for future electronic devices	Dr. Sima Umrao
17.50-18.00 (OP/2)	Nanoscale Copper Metal Organic Framework Anchored Fiber Optic Long Period Grating Sensor for Sensitive Detection of Bovine Serum Albumin	Dr. Umesh Tiwari
18.00-18.10 (OP/3)	Influences of Dispersion of ZnO Nanoparticles on the Activation Energy and Dielectric Relaxation Spectra of Nematic Liquid Crystal	Dr. Pankaj Kumar Tripathi
18.10-18.20 (OP/4)	Optical and Electrical Properties of MEH:PPV_Graphene Composite for Photovoltaic Applications	Dr. Anjali Chandra
18.20-18.30 (OP/5)	Coating of Zinc Oxide Film using Drop Technique	Mr. Brij Bansh Nath Anchal
19.00-21.00 CULTURAL PROGRAMME & DINNER		

FRIDAY, SEPTEMBER 22, 2017

PARALLEL SESSION

SECOND SESSION (14.45 – 15.50 Hrs.)		
Chairperson: Prof. Poonam Tandon and Prof. M.Y. Khan		
14.45-15.10 (IT/4)	Applied Aspects of Biotechnology and Nanobiotechnology in Medicine	Prof. Mohammad Husain
15.10-15.35 (IT/5)	Bio nano science and Technology	Prof. Absar Ahmad
15.35-15.50 (YR/2)	Effect of growth parameters on the properties of Strontium Titanate film used for thin film technology	Dr. Sarita Yadav
TEA BREAK (15.50 – 16.05)		
THIRD SESSION (16.05 – 18.25 Hrs.) + Poster Presentation (PP/01 to PP/75)		
Chairperson: Prof. Mohammad Husain & Prof. Absar Ahmad		
16.05-16.30 (IT/6)	Advancement of Bulk And Nanomaterials Based Smart Sensors For Gas And Food Freshness Detection	Dr. D. R. Patil
16.30-16.55 (IT/7)	High-k based Gate Stacks for Advanced CMOS Devices	Prof. Rakesh Vaid
16.55-17.20 (IT/8)	Piezoelectric, Triboelectric Nanogenerators: Next-generation Energy Devices	Dr. Manoj Kumar Gupta
17.20-17.35 (YR/3)	Localizations and relative positions of paramagnetic probes in smectic liquid crystal determined by analysis of EPR spectra.	Dr. D. A. Pomogailo
17.35-17.45 (OP/6)	Comparative Structural Studies of Iron and Titanium Based Metallic Oxides	Sudhanshu Singh
17.45-17.55 (OP/7)	Effect of pH variation on optical and structural properties of ZnO nanorods	Dr. Shiva Sharma
17.55-18.05 (OP/8)	Electrical properties of Carbon Nanotubes (CNT's) modified Bismuth Silicate glass-nanocomposites	Mr. Toton Haldar
18.05-18.15 (OP/9)	Carbon nanotubes on mechanical activated Al-Cu-Fe nanoquasicrystals	Dr. Kalpana Awasthi
18.15-18.25 (OP/10)	Effect of annealing on the structural and optical properties of amorphous Ge-Se-Techalcogenide thin film	Mr. Pravin Kumar Singh
19.00-21.00 CULTURAL PROGRAMME & DINNER		

SATURDAY, SEPTEMBER 23, 2017

FIRST SESSION (10.00 – 11.35 Hrs.)		
Chairperson: Prof. Yasuhiro Shimizu & Prof. Arvind Saxena		
10.00- 10.45 (PT/6)	Graphene, Nanotubes and their hybrids: Novel Nanotechnology Platforms	Prof. A. K. Sood
10.45-11.10 (IT/9)	Reactive Nanosystems: Reactive and Quantum Molecular Dynamics Simulations	Prof. Priya A. Vashishta USA
10.10- 11.35 (IT/10)	Beauty in black: Carbon nanotube and graphene	Dr. Anchal Srivastava, BHU
TEA BREAK (11.35 – 11.50)		
SECOND SESSION (11.50 – 13.15 Hrs.)		
Chairperson: Prof. Bruce E. Seely & Prof. Rakesh Vaid		
11.50- 12.15 (IT/11)	Solar Energy Assisted Purification of Water using Nanocrystalline Oxide Semiconductor Thin Films	Prof. C. H. Bhosale
12.15- 12.40 (IT/12)	Nanosculptured thin films for plasmon enhanced optical biosensing	Dr. Sachin K. Srivastava
12.40-12.55 (YR/04)	Synthesis of three dimensional graphene-metal oxide hybrids and their enhanced energy storage applications	Dr. Rajesh Kumar, Brazil
12.55-13.05 (OP/11)	Investigation of activation energy and thermal stability of Se ₉₀ In ₁₀ chalcogenide glass	Ms. Priyanka Jaiswal
13.05-13.15 (OP/12)	Effect of Co-doping on structural and optical properties of ZnO nanoparticles	Mr. Raj Kamal Yadav

LUNCH BREAK (13.15-14.00)		
THIRD SESSION (14.00 – 15.50 Hrs.)		
Chairperson: Prof. C.H. Bhosale & Prof. D. R. Patil		
14.00-14.25 (IT/13)	Charge Transport Mechanism in Doped Graphene	Prof. Subhasis Ghosh
14.25-14.40 (YR/05)	Simulations of Materials: Energy Relevant Applications	Abhishek Kumar Mishra
14.40- 14.50 (OP/13)	Effect of Solvent Medium on Optical and Structural Properties of ZnO-SnO ₂ Nanocomposite	Dr. Monika Tandon
14.50- 15.00 (OP/14)	Sensing ability of silver modified tungsten disulfide nanosheets	Dr. Mukesh Mishra
15.00- 15.10 (OP/15)	Preparation, Electrical and Magnetic Property studies of NaNiPO ₄ for Sodium Ion Battery Application	Mr. Nibagani Naresh
15.10- 15.20 (OP/16)	Half-Heusler: Materials for Mid- Temperature Thermoelectric Energy Conversio	Mr. Nagendra. S. Chauhan
15.20-15.30 (OP/17)	Comparative study of pure and Cd doped ZnS nanoparticles synthesized by wet chemical method	Dr. Pooja Dwivedi
15.30-15.40 (OP/18)	Graphene decorated lightweight carbon foam composites for superior electromagnetic interference shielding	Dr. Rajeev Kumar
15.40-15.50 (OP/19)	Extraordinary Photoluminescence in CVD Synthesized Atomically Thin Two Dimensional TMDs (WS ₂)	Mr. Vijay Kumar Singh
TEA BREAK (15.50 – 16.00)		
FOURTH SESSION (16.00 – 18.30 Hrs.) + Poster Session (PP/76 to PP/150)		
Chairperson: Prof. Subhasis Ghosh & Prof. Arvind Saxena		
16.00-16.25 (IT/14)	Nanotechnologies for Stealth Applications	Dr. Anuj Shukla
16.25-16.40 (YR/06)	Two-dimensional heterostructures: Synthesis and electrocatalytic application	Dr. T. P. Yadav
16.40-16.50 (OP/20)	Design of a Tunable Optical Buffer by using 1D Ternary Photonic Band Gap Material Nano-layered Structure	Dr. Aniruddh Banerjee
16.50-17.00 (OP/21)	Statistical Assessment of Despeckling Algorithms with and without Reference Indexes in SAR Images	Prabhishek Singh
17.00-17.10 (OP/22)	Challenges and Issues in Network Traffic in IoNT	Karan Agarawal
17.10-17.20 (OP/23)	Toxicity of silver nanoparticles on wheat seedlings	Dr. Deepika Gupta
17.20-17.30 (OP/24)	An Approach to Develop a Framework for Estimating Reliability of OO Design-Complexity Perspective	Dr. Amitabha Yadav
17.30-17.40 (OP/25)	Removal of methylene blue from an aqueous solution using iron nanoparticles prepared from the Sweet lime pulp	Dr. Jiwan Singh
17.40-17.50 (OP/26)	Desalination of Water Using nanomaterials: Sea Salt Separation & Characterization	Anuradha Awasthi
17.50-18.00(OP/27)	Voice biometric: a technology for voice based authentication	Nilu Singh
18.00-18.10 (OP/28)	A Comparative Study on Synthesis of Fe ₂ O ₃ Nanoparticles Using Two Different Mesoporous Silica as Hard Templates	Ms. Meenakshi Dutt
18.10-18.20 (OP/29)	Supported Nanoparticles in Water Remediation: A Review Paper	Dr. Girdhari L. Chaurasia
18.20-18.30 (OP/30)	Nano Sensors: Design, Experiments and Applications	Dr. A. K. Yadav

SATURDAY, SEPTEMBER 23, 2017

PARALLEL SESSION

FIRST SESSION (10.00 – 11.45 Hrs.)		
Chairperson: Prof D. K. Dwivedi & Prof. N. Satyanaryana		
10.00-10.45 (PT/07)	Recent advances in efficient and cost effective nano-	Prof. K. C. Mohite

	solar cells	
10.45-11.10 (IT/15)	Investigating Photo-Induced Charge Transport in DNA-Hairpin Model System	Dr. Ashutosh Kumar Mishra
11.10-11.25 (YR/07)	Spectral properties on plasmonic nanostructures attached with dye molecules	Dr. Ashish Yadav
11.25-11.35 (OP/31)	Studies on the treatment of industrial and municipal wastewater with solar energy based parabolic trough collector using nano-materials	Varunika Singh
11.35-11.45 (OP/32)	Sensitivity Enhancement of WSN using Nano Sensor	Neeraj Kumar
TEA BREAK (11.45 – 11.55)		
SECOND SESSION (11.55 – 13.20 Hrs.)		
Chairperson: Prof. PriyaVashistha & Dr. Anuj Shukla		
11.55-12.20 (IT/16)	Nanomaterials for packaging applications	Dr S. B. Yadaw
12.20-12.45 (IT/17)	Highly Efficient Transparent Electrodes Using Nanomaterials	Dr. Rakesh A. Afre
12.45-13.00 (YR/08)	Synthesis and characterization of nanostructured copper ferrites and their applications as Humidity sensors	Dr. Richa Srivastava
13.00-13.10 (OP/33)	Preparation of Polypyrrole Thin Film via Conventional Polymerization Method and its Humidity Sensing	Dr. Ravindra Kumar
13.10-13.20 (OP/34)	Convective motion in nanofluid under variable rotational speed	Mr. Vineet Kumar
LUNCH BREAK (13.20-14.00)		
THIRD SESSION (14.00–15.40 Hrs.)		
Chairperson: Dr S. B. Yadaw & Prof. D. R. Patil		
14.00-14.25 (IT/18)	Nanomaterials for energy device applications	Prof. N. Satyanaryana
14.25-14.40 (YR/09)	Nanostructured ferrites as a LPG sensor	Dr. Satyendra Singh
14.40-14.50 (OP/35)	Nonlinear g-jitter thermal instability in nanofluid presence of throughflow	Ajay Singh
14.50-15.00 (OP/36)	Correlation of Processing Parameters and Properties for Iron Based Metal Matrix Nanocomposites	Ruchira Bhattacharyya
15.00-15.10 (OP/37)	Optical Properties of Sb doped Se-Cd thin films	Nitesh Shukla
15.10-15.20 (OP/38)	Tunable Emissions from Lanthanide (Ln = Eu and Tb)-Doped Tungsten Oxide for Solid State Lighting Applications	Chandresh Kumar Rastogi
15.20-15.30 (OP/39)	Characterization and Co-precipitation synthesis of Cu ₂ ZnSnS ₄ nanostructures for the photocatalytic performance for Organic pollutants	Gaurav Hitkari
15.30-15.40 (OP/40)	Effect of temperature on volume, thermal expansivity and bulk modulus in nanomaterials	Monika Goyal
TEA BREAK (15.40 – 16.00)		
FOURTH SESSION (16.00 – 18.40 Hrs.) + Poster Session (PP/76 to PP/150)		
Chairperson: Prof. RakeshVaid & Prof. Subhasis Ghosh		
16.00-16.25 (IT/19)	Growth and optical characterization of Selenium based semiconducting non-oxide glasses for optical data storage	Dr. D. K. Dwivedi
16.25-16.50(IT/20)	Holistic approach from pathways modeling to molecular docking, QSAR and molecular dynamics simulation studies of biological molecules	Dr. Manish Kumar Gupta
16.50-17.05 (YR/10)	Mechanochemical Destruction of Acetylenedicarboxylates Induced by Dehydration	Dr. V.A. Shershnev
17.05-17.20 (YR/11)	Electrochemical Deposition and Characterization of Metal Selenide Films from Acidic and Alkaline Route	Dr. Arif V. Shaikh
17.20-17.30 (OP/41)	Effect of Target Conductivity in Ion Beam Induced Surface Modifications	Sushant Gupta

17.30-17.40 (OP/42)	Antibacterial Efficiency of chemically and biologically synthesised silver nanoparticles	Rama Sharma
17.40 -17.50 (OP/43)	Optimization of Microbial culture for Improved Production of Secondary Metabolites	Amit Pandey
17.50-18.00 (OP/44)	Study of Diametric Variation in the properties of Cu nanowires synthesized using Polycarbonate track etch membrane	Rashi Gupta
18.00-18.10 (OP/45)	Effect of aliovalent doping on tailoring the electrical properties of magnetoelectric gallium ferrite	Vijay Singh
18.10 -18.20 (OP/46)	Thermo-mechanical properties of Se ₇₄ Te ₁₈ Sn ₂ Sb ₆ chalcogenide glasses	Ms. Vandita Rao
18.20 -18.30 (OP/47)	Role of Li ⁺ on nano-crystalline structure and white photoluminescence in rare earths co-doped Na ₄ ZnW ₃ O ₁₂ phosphor	Dr. R. S. Yadav
18.30 -18.40 (OP/48)	Homotopy Perturbation Method for Solving Instability Phenomenon in Fluid Dynamic	Dr. D. K. Singh
19.00-21.00 CULTURAL PROGRAMME & DINNER		

SUNDAY, SEPTEMBER 24, 2017

FIRST SESSION (10.00 – 11.35 Hrs.) + Poster Session (PP/151 to remaining)		
Chairperson: Prof. Yasuhiro Shimizu & Prof. S. A. Sarraf		
10.00-10.45 (PT/08)	Functional materials for energy harvesting applications	Prof. Vinay Gupta
10.45-11.10 (IT/21)	The Chemistry of Nanoparticles in Drug Delivery for Effective Therapeutic Applications	Prof. Shailendra K. Saraf
11.10-11.25(YR/12)	AzadirachtaIndica Leaf Extract Synthesis of the Fe ₂ O ₃ Nanoparticles	Dr. Rakesh Sonkar
11.25-11.35(OP/49)	Low dimensional halide perovskite based photovoltaic devices for improved stability	Ravi K. Misra
TEA BREAK (11.35– 11.50)		
SECOND SESSION (11.50 – 13.05 Hrs.)		
Chairperson: Prof. Vinay Gupta & Prof. P.K. Khanna		
11.50-12.15 (IT/22)	Nano-sonic-ZnS Thin films Based Schottky Junctions diodes for Enhanced Solar cell Panel efficiency	Prof. V. A. Tabhane
12.15-12.25 (OP/50)	Photocatalytic degradation of Thymol blue under visible light by the novel photocatalyst Titania/PAni/GO nanocomposites	Azad Kumar
12.25-12.35(OP/51)	Phycofabrication of silver nanoparticles, its characterisation and evaluation of antioxidant and cytotoxic potential	R. Nanthakumar
12.35-12.45(OP/52)	Mechanical Behaviour of Aluminium-Magnesium alloy reinforced Carbon Metal Matrix Composites	Prakhar Khare
12.45-12.55(OP/53)	Structural Property Tuned Gas Sensing Performance of Polyaniline-ZnO Nanocomposites	Janhavi Talegaonkar
12.55-13.05(OP/54)	Analysis of Surface Potential of Copper-Modified Reduced Graphene Oxide using Scanning Kelvin Probe Microscopy	Jyoti Shakya
LUNCH BREAK (13.05-14.00)		
THIRD SESSION (14.00 – 16.05 Hrs.)		
Chairperson: Prof. Kaman Singh & Prof. Arvind Saxena		
14.00-14.25 (IT/23)	Surface acoustic wave devices for sensing applications	Dr. Monika Tomar
14.25-14.40(YR/13)	Wonderworld of Nano dimension carbon	Dr. Ravi Kant Tripathi
14.4 -14.50 (OP/55)	High energy ion treatment for engineering in optical and structural properties of chalcogenide thin films	R. Chauhan
14.50-15.00 (OP/56)	Effect of reduced dimensionality on multiferroic properties of Pr _{0.67} Ca _{0.33} MnO ₃ manganites	Vinay Kumar Shukla
15.00-15.10 (OP/57)	Nano Materials based Solar Desalination Systems for waste water treatment	Atin Kumar Pathak

15.10-15.20 (OP/58)	Phthaloylchitosan based Gel Polymer Electrolyte: Detailed Electrical Characterization and Dye Sensitized solar cell Fabrication	Amar Ratan
15.20-15.30 (OP/59)	Photocatalytic Degradation of Persistent Pesticides Using Zinc Oxide Nanoparticles	Dr. Bhawana Pathak
15.30-15.40 (OP/60)	Anti-parasitic activity of Nano-medicine against Visceral leishmaniasis	Dr. Subodh Kumar
15.40-15.50 (OP/61)	Thermodynamic study of low energy ion irradiation HOPG using Raman spectroscopy	Dr. Kapil Saxena
15.50-16.00(OP/62)	A review on the current and future possibilities of CZTS thin films solar cell.	Kishan Pal
16.00-16.10 (OP/63)	Potential of <i>Kigeliaafricana</i> based biosorbent for effective removal of As(V)ion from its aqueous solution	Manisha Gautam
TEA BREAK (16.10 – 16.20)		

SUNDAY, SEPTEMBER 24, 2017

PARALLEL SESSION

FIRST SESSION (10.00 – 11.35 Hrs.) + Poster Session (PP/151 to remaining)		
Chairperson: Prof. Mohammad Husain & Dr. Anuj Shukla		
10.00-10.25 (IT/24)	Techniques developed: Recovery of Novel Materials- Ferrous, silicate and zeolites from waste fly ash	Prof. M. H. Fulekar
10.25- 10.50 (IT/25)	Solar Thermal Energy Storage in Phase Change Materials for Building Applications	Dr. Vineet V. Tyagi
10.50-11.05 (YR/14)	Stretchable and ultrasensitive strain and/or self-sensing material based on carbon nanostructures-polymer nanocomposites	Dr. Tejendra K. Gupta
11.05-11.15 (OP/64)	Sn based Perovskite Sensitized Solar Cell using Polymer Electrolyte processed in the air	Rahul
11.15-11.25 (OP/65)	Synthesis of Nanocrystalline ZnSe Films under Selective Wavelengths	Sanjay W. Pawar
11.25-11.35 (OP/66)	Green nanotechnology of composting from kitchen wastes and its use in crop cultivation	Dr. Sutanu Maji
TEA BREAK (11.35 – 11.50)		
SECOND SESSION (11.50 – 13.05 Hrs.)		
Chairperson: Prof. Vinay Gupta and Prof. Ram Chandra		
11.50-12.15 (IT/26)	Synthesis and Characterization of ZnO nanoparticles and their application as electrode material	Prof. Anuj Kumar
12.15-12.40 (IT/27)	Nanobiosensor: Modern and future approaches	Dr. M. S. Gaur
12.40-13.05 (IT/28)	Synthesis of HAp/h-BN Based 3-D Nanostructured Composites: For Bone Substitute Biomaterial Applications	Dr. Chandkiram Gautam
LUNCH BREAK (13.05-14.00)		
THIRD SESSION (14.00 – 16.05 Hrs.)		
Chairperson: Prof. Priya A. Vashistha and Dr. Devesh Kumar		
14.00-14.25 (IT/29)	Influence of Mg ²⁺ ion Doping OnPhysicalProperties of Zinc FerriteNanoparticlesforferrofluidapplication	Prof. M. S. Yadav
14:25-14:50(IT/30)	Nano-scale CdS materials Based Bio-electrode Sensor	Dr. Archana A. Meshram
14:50-15:15(IT/31)	High fluence ion beam facility at University of Allahabad	Prof. A. C. Pandey
15:15-15:40(IT/32)	ZnO a Material for Spintronics and Transparent Applications	Dr. Budhi Singh
15.40-16.05 (IT/33)	Quantum Dot Sensitized Solar Cells: Past, Present and Future	Dr. Habib M. Pathan
TEA BREAK (16.05 – 16.15)		

POSTER PRESENTATION

S. No.	Name	Title
1.	Anirudh Banerjee	Electrically Tunable Optical Filter based on 1D Ternary Photonic Band Gap Material Nano-layered Structure
2.	Krishna Murti Chaturvedi	Development of Carbon-Silica-Titanium Dioxide Composite as an Electro chemical Sensor for H ₂ O ₂ analyte
3.	Dhananjay K. Gaur	Influence of iron oxide nano particles dispersion on dielectric and electro optical properties of ferroelectric liquid crystal
4.	Mukta Tripathi	Zink oxide (ZnO) nano filler based composite polymer gel electrolyte for application of EDLCS
5.	M. A. Boda	Electrode deposition – anodisation technique to fabricate Fe ₂ O ₃ modified TiO ₂ nanotube array for improved photo-electrochemical ability
6.	Ajay Kumar	Deep Analysis of AODV, DSDV, DSR, and TORA routing protocol for VANET
7.	Ekta Goel	An Analytical Model for Threshold Voltage Roll-off of Graded-Channel Dual-Material Double-Gate MOSFETs
8.	Jeevitesh K. Rajput	Synthesis and Characterization of CdO:ZnO nanostructure for Gas Sensing
9.	Rubby Mahajan	Synthesis, structural and luminescence properties of ZnAl ₂ O ₄ : Sm ³⁺ nanophosph
10.	Mahendra Singh Yadav	ZnO Nanoparticles-Activated Charcoal Nanocomposite Electrodes For Supercapacitor
11.	Mini Mishra	Plant mediated synthesis of silver nanoparticles and antifungal assay
12.	Neeraj Sharma	Dynamic Wavelength Conversion in Photonic crystal slab Waveguide
13.	Nipin Kohli	Influence of Indium Doping on Structural, Optical and Gas Sensing Properties of Chromium Oxide Nanoparticles
14.	Chandresh Kumar Rastogi	Tailoring the Morphologies of Eu ³⁺ doped NaLa(WO ₄) ₂ Nanophosphors <i>via</i> Anion Controlled Growth of (100) Facet
15.	Atindra K. Pandey	Cytotoxicity studies of CdSeS/ZnS quantum dots on cell lines
16.	Pankaj K. Tyagi	Chemical synthesized silver nanoparticles a hazardous threat to the humans
17.	Reetu Sangwan	A Quantum Theory of Atoms-in-Molecules Perspective and DFT Study of Two Natural Products: <i>Trans</i> -Communic Acid and Imbricatolic Acid
18.	Ram Prakash	Combustion synthesis and spectral investigations of α -Al ₂ O ₃ :Tb ³⁺ phosphor
19.	Ruchi Verma	Isolation, Crystallographic Characterization and Quantum Chemical calculation of Bioactive Natural Product Asarinin using Density Functional Theory
20.	Sachin Saxena	Electrocatalytic activity of disposable multiwalled carbon nanotube modified screen printed carbon electrode for the detection of an anti-HIV herbal drug wedelolactone
21.	Sandeep Kumar	Growth and properties of pulsed laser deposited Cr doped Eu ₂ O ₃ thin films
22.	V. Sai Bhargava	Thermal polycondensation of urea-derived graphitic carbon nitride/copper oxide nanocomposite for photocatalytic application
23.	Sandhya Singh	Photocatalytic activity of Fe ₃ O ₄ , CuFe ₂ O ₄ nanoparticles for removal of Rhodamin b dye
24.	Kanika	A Comparative Study of Hadoop Components in Big Data
25.	Shubhra Mathur	A comparative study of structural, optical and electrical properties of PANI and PANI/TiO ₂ nanopowder
26.	Smhrutisikha Biswal	α -Fe ₂ O ₃ /Partially reduced graphene oxide nanocomposite Synthesis and Magnetic Characterization
27.	Monika Saini	Quantum chemical studies and thermodynamic properties of (1R,3aR,5aR,5bR,7aR,11aR,11bR,13bR)-3a,5a,5b,8,8,11a-

		hexamethyl-1-(prop-1-en-2-yl)icosahydro-1H-cyclopenta[<i>a</i>]chrysen-9-yl 2-bromoacetate using DFT
28.	Shruti Tyagi	Green synthesis of metal nanoparticles and their toxic effects analysis as <i>in vitro</i> on gut microbial community probiotic and <i>in vivo</i> in <i>Drosophila melanogaster</i>
29.	Sumara Khursheed	Preparation and properties investigation of PMMA/ SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ Polymer Nanocomposite films
30.	Sunil Kumar	Enhanced Mechanical Performances of Graphene Reinforced Hydroxyapatite Nano Composite Porous Architecture for Bone Tissues Regeneration
31.	Vishnudatt Pandey	Quantum mechanics/molecular mechanics calculations: a useful Method for the investigation of binding phenomena
32.	Md. Tarique Jamal Ansari	Nanoparticles for Biosensors: Investigating the Role of Nanoinformatics in Healthcare
33.	Vijay S. Rana	Influence of Cd-doping in n-ZnO/p-Si Heterojunction for UV-Photodetection
34.	Aniruddh P. Chaudhary	Spectroscopic analysis and study of biological activity of newly synthesized 2-((1H-1,2,3-triazol-4-yl)methylthio)-3-phenylquinazolin-4(3H)-one. A study of intermolecular interaction through atom in molecule approach
35.	Gargi Tiwari	Identification of Novel Molecules as Inhibitors of Hepatitis C Virus by Molecular Dynamics Simulation Studies at Nanosecond Scale
36.	Rupal Yadav	The Kinetics and Mechanism of Formation of [Ru(CN) ₅ DPA] ³⁻ by Ligand Interchange Reaction in Aqueous Medium
37.	T. Yadav	Structural modeling and spectroscopic investigation of isolated and hydrochloride tyramine neurotransmitter
38.	Amrita Srivastava	Catalytic Role of RuCl ₃ (H ₂ O) ₃ in its NanoConcentration Range in the Kinetic Studies of Oxidation of Lactose and Maltose by Aryl N-halosulfonamide
39.	Ashutosh Kumar	Quantum Chemical Studies For Inhibitory Action Of 3-hydroxy-Benzo [d] Isoxazole Tautomers On Steel And Non-Linear Optical Properties (NLO) Using Of Density Functional Theory Method (DFT)
40.	Anil Kumar Soni	Theoretical Prediction of Bioconcentration Factors of Polychlorinated Biphenyls Using DFT
41.	Sangeeta Sahu	Quantum Chemical Studies on Fullerenes and Heterofullerenes
42.	Anjali Pandey	Computational study of Triphenylamine-based dyes with different linker groups for dye-sensitised solar cells
43.	Pawan Kumar Chaurasia	Exploring Object Oriented Design Metrics
44.	Deepika	Study of electrical properties of nanostructured Se ₇₄ Te ₂₀ M ₆ (M=Bi, Sb) thin films
45.	Nahid Chaudhary	Synthesis and Photocatalytic application of Ultra-thin MoS ₂ Nanosheets by Hydrothermal method
46.	Vandna Shakya	Structural and Moisture Sensing Properties of Cu doped WO ₃ Nanocomposites Synthesized by a Soft Chemical Route
47.	Karunesh Tiwari	Humidity sensing studies of Cu ²⁺ -doped WO ₃ nanomaterial
48.	Shilendra K. Shanti	Effect of implementing nanomaterial in concrete to enhance its properties
49.	Monika Gupta	Green synthesis of silver Nanoparticles by <i>Catharanthus roseus</i> and their antimicrobial activity
50.	Smriti	Nanocellulose and its applicatios
51.	Richa Khare	Role of Nano metals in health care
52.	Ramna Tripathi	Treatment of cancer cells with nanobots
53.	Priyanka Chaudhary	Growth of Nickle (II) Nitrate Polyacrylamide thin film for application of Opto-electronic Humidity Sensor
54.	Samiksha Sikarwar	Synthesis and characterization of cubical shaped barium titanate and their application as opto-electronic humidity sensor
55.	Shravn Kumar	Synthesis and Characterization of La _{2-x} Sr _x NiO ₄ (x= 0 to 0.5) Cathode Materials Prepared by Solid State Reaction Method

56.	Sushant Gupta	Room Temperature Ferromagnetism in Transparent and Conducting Mn-doped SnO ₂ Thin Films
57.	Shilpi Singh	Different Similarity Measures for Test Suite Optimization
58.	Asish Kumar	Study of optical property of defect mode in one-dimensional double negative photonic crystal with plasma
59.	Rekha Kannaujia	Impact of biologically synthesized silver nanoparticles (AgNPs) on two Mung (<i>Vigna radiata</i>) varieties
60.	A. Gautam	Synthesis and Mechanical Behavior of h-BN Reinforced Zirconia: A Novel Bio-composite for Bone Implant Applications
61.	Jyoti Pandey	Dendrimers as powerful nanomedicine
62.	Pawan Singh	Tunable optical switching behavior in glass/Si periodic layers with nematic liquid crystal defect
63.	Aditi Upadhyaya	Synthesis and Characterization of Methylammonium Lead Iodide (CH ₃ NH ₃ PbI ₃) perovskite nanoparticles for Photovoltaic Applications
64.	Jitendra Singh	Hybrid heterojunction diode for resistive switching memory applications in radiation harsh environment
65.	Rishi Ranjan Kumar	Comparative study of pore size dependence on extrinsic semiconductor for the formation of tunable photo-luminescent spectra of porous silicon
66.	Meenakshi Singh	Magneto Tunable Defect Modes in One-Dimensional Defective Photonic Crystal Based on Magnetic Fluid Film
67.	Km. Renu	Graphene: An Overview
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75.	Swati Singh	Application of carbon nanotubes as treatment of cancer
76.	Alok Ranjan	Photophysical properties of Benzimidazole derivatives and effect of substituents and solvent on electronic transitions
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78.	Poonam Rawat	Experimental and Theoretical Studies on synthesis, molecular structure, photoluminescence and first hyperpolarizability analysis of Pyrrole compound having azomethine framework
79.	Shweta Trivedi	Photoluminescence and NLO properties of Malonic acid hydrazone of C-vinylpyrroles
80.	Vijaya Shri Mall	Quantum-Mechanical study of recombinant base recognition in triplet formation
81.	Ashita Saxena	Study of Natural Fibre Reinforced Vinyl Ester Composite
82.	Bindesh K. Shukla	Electronic structure and molecular docking of pyrazolo[3, 4-d]pyrimidine-6-one derivative: An <i>in-silico</i> study
83.	V. B. Rajput	Humidity Sensing Studies of Pure Zinc Oxide Nanoparticles Prepared through Solid–State Reaction Route
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90.	Chandro dai Pratap Singh	Aspects of green chemistry towards synthesis of biologically active substituted benzoxazinones
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103.	F. A. Dar	Effect of Li on the structural and dielectric properties of Al ₂ O ₃ Using combustion method
104.	Rohit Ranjan Srivastava	Synthesis and Characterization of Nanocrystalline Tin Oxide (SnO ₂) Powder by Hydrothermal Route
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106.	P. Srivastava	Growth and characterization of pulsed laser deposition grown topological insulator Bi ₂ Te ₃ thin films
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127	Anamika Gautam	Removal of phenol red from aqueous solutions using Iron Nanoparticles synthesized from the extract of waste tea
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129	S. Prasad	Modeling of surface modes at the interface of air and semi-infinite one dimensional plasma photonic crystals
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133	Vimal Singh	Facile and greener synthesis of highly fluorescent nitrogen doped carbon dots for sensitive and selective sensing of bisphenol-A
134	Rakesh Kumar Singh	Plasma Oscillations And Dispersion Relation In Metallic Carbon Nanotubes With An External D.C. Magnetic Field
135	Deep Kumar	Structural Stability and Electronic Properties of (Ga _n N _n) _m Micro Cluster by Using Ab-initio and tight-Binding Study
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144	Upasana Yadav	Nanoparticle Application in Waste Water Treatment
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153	Afshan Rashid	Role of Nano-Technology in Solar Cells: A Review
154	Arifa Sheikh	Temperature driven structural and crystalline evolution of low-dimensional Zinc Ferrite nanoparticles
155	Chongtham Jiten	Synthesis of (K _{0.5} Na _{0.5})(Nb _{0.9} Ta _{0.1})O ₃ nanoparticles by high-energy ball milling and their corresponding piezoceramics

156	Vineet Dubey	Optimization of EDM Parameters on Machining Inconel 717 with Copper –Tungsten Electrode using Taguchi Approach
157	Alok Kumar Singh	A binary Fe(II)-terpyridyl complex-based single platform for multiple-ion recognition
158	Annis A. Shaikh	Deposition of Nanocrystalline Cadmium Selenide on Titania for Solar Cell Application
159	Shaivya Manhas	Nano particles utilisation in different solar thermal applications: A Review
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170	Govind Pathak	Dispersion of fluorescent dye into the nematic liquid crystal: Fast Optical Response Time
171	Rashmi Gupta	Effective covalent functionalization of carboxylated MWCNTs with Heteronuclear Bimetallic Schiff- Base Complex for comparative magnetic and spectral studies
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