

DAY 1: ENERGY/SEM

S.No.	NAME	ABSTRACT TITLE
1.	Ms. Anamika Mishra	Bithiophene based spiro type molecule as hole transporting material for Perovskite Solar Cell.
2.	Mr. Brijesh Meena	Printed Sensors for Humidity Sensing
3.	Mr. Chandra Prakash Sharma	Fluorescent Donor-Acceptor Pyranones and their Derived π -Conjugated Scaffolds for Organic Light Emitting Devices
4.	Mr. Ganesh Chandra	Development of the new routes of fabrication for graphene based dye sensitized solar cells
5.	Mr. Gaurav Tatrari	Agriculture waste derived MWCNT for low cost energy storage devices: A revolutionary paradigm for universal energy crisis
6.	Ms. Khushboo Singh	Influence of donor-donor transport on excitation energy transfer in binary system C6-Rh6G doped in Poly(methylmethacrylate)
7.	Mr. Kuldeep K. Garg	Graphene based organic thermoelectric composites material for energy harvesting applications
8.	Mr. Manoj Karakoti	Effective Conversion of Waste Plastic into few Layer Graphene for Supercapacitor Application
9.	Mr. Mayank Pathak	Green synthesis of highly efficient N-doped graphene Nanosheets by using waste plastic and cow urine for supercapacitor applications
10.	Ms. Nisha Fatma	Hydroxyflavone based chemosensor for Dual Ion Recognition
11.	Dr. P.P. Tripathi	Prospects of solar energy in India
12.	Mr. Pawan Singh Dhapola	Development of electric double layer capacitor (EDLC) based on cobalt enriched porous carbon electrodes and ionic liquid electrolyte
13.	Mr. Ram Datt	Comparative study of PTB7:PC ₇₁ BM based polymer solar cells fabricated under different environments
14.	Dr. Sharad Chandra Mishra	Studies on energetic polymers
15.	Ms. Simran Kumari	Effect of domain polarization and magnetic moment of NiO on perovskite solar cell
16.	Mr. Sudher .S. Rawat	Study of resistance tuning in organic photovoltaic and its impact on device parameters by use of Nickel phthalocyanine thin films
17.	Mr. Sunil Dhali	Low temperature Graphene Oxide supported Pd-Ru efficient novel metal catalyst for proton exchange membrane fuel cells.

18.	Ms. Ankita H. Tripathi	DNA barcoding for identification of <i>Agave</i> species and evaluation of their anti-oxidant and anti-microbial potential
19.	Mr. Anuj Kumar	Synthesis of Rice husk ash-based silica-supported iron catalyst coupled with Fenton-like process for the abatement of rice mill wastewater
20.	Mr. Arun Bhughani	Adsorptive removal of remazol brilliant blue R by activated charcoal of thuja orientalis leaves: an ecofriendly approach
21.	Mr. Bittu Singh	Analysis of drinking water and Soil samples from different places of Berinag
22.	Ms. Chetna Tewari	Waste plastic generated graphene for removal of heavy metals: a revolutionary material for water purification
23.	Ms. Deepika Pancholi	Room temperature synthesis of highly crystalline bismuth oxyhalides nanostructures for waste water treatment
24.	Mr. Desh Deepak	Mechanical properties of concrete with partial replacement of cement with lime sludge and hypo sludge
25.	Ms. Ganga Bohra	Identification of proteomic diversity of Cow milk collected from Nainital district of Uttarakhand”
26.	Mr. Kshitindra Kr. Singh	Ground water quality assessment for suitability in agriculture purpose in Udham Singh Nagar (Uttarakhand)
27.	Ms. Monika Srivastava	DFT analysis of graphene as a heavy metal detector
28.	Ms. Namrata Gururani	Comparative biosorption studies of 4-nitrophenol and 2,4-dichlorophenol on nostoc sp. at different Ph
29.	Mr. Naveen Chandra Pandey	Soil physico-chemical characteristics of tropical sal forest of Betalghat Block, Nainital District (Kumaun Himalaya)
30.	Ms. Neha Chopra	Assessing the nutritional value of some most preferred wild edible fruits of Kumaun Himalaya
31.	Mr. Ojo Michael Oseni	Phytoremediation process: physiological responses of plants to heavy metal
32.	Dr. Prasoon K. Joshi	A study on physicochemical properties of soils from different locations in Uttarakhand, India
33.	Ms. Ritu Rani	Biosorption of heavy metals cadmium and arsenic from synthetic wastewater using <i>Punica granatum</i> as bioadsorbent
34.	Ms. Ruchi pandey	A comparison of contributions of clay, silt and macronutrients in some of the soil, of the Tarai region of Uttarakhand (India)
35.	Ms. Saumya	Biosorption of heavy metals from synthetic waste water
36.	Ms. Sayan Roy	Use of waste plastic as brick for eco-friendly and sustainable construction material
37.	Dr. Tithi Ghosh	<i>In vivo</i> cytogenotoxicity of industrial waste from different industry,

		West Bengal, river state, Indian <i>Allium cepa</i>
38.	Abhinav Singh	Thermolysis of Plastic Waste To Hydrocarbons

DAY 2: NANOTECHNOLOGY/FUNCTIONAL MATERIALS

S.No.	NAME	ABSTRACT TITLE
1.	Mr. Ajay Kumar	Evaluation of total soluble sugar and Zinc in different native rice varieties of Kumaun Uttarakhand
2.	Ms. Akansha Rani	Drying effect on chemical traits of <i>cinnamomum zeylanicum</i> n. From Uttarakhand, India
3.	Mr. Aman Kumar	Biosynthesis of noble metalnanoparticles from <i>citrus pseudolimon</i> and their antibacterial studies
4.	Dr. Ameeta Tiwari	Medicinal and aromatic plants of Uttarakhand: A supreme source of natural products for industrial utilization
5.	Ms. Anchal Giri	Production of industrially important alpha-amylase by psychrophilic bacteria
6.	Mr. Ankit Kumar	Proteomic studies for identification of diversity in millets collected from high elevation of Kumaun region of Uttarakhand”
7.	Ms. Anshu Gautam	Synthesis, Structural Elucidation and Evaluation of NLO properties of Dipyrromethane Derivatives
8.	Mr. Anupam Pandey	Molecular characterization of Plant growth promoting rhizobacteria isolated from Kumaun Region of Uttarakhand and investigation of its effect on <i>Triticum aestivum</i>
9.	Mr. Arvind Jantwal	Anti-oxidant potential of Marchantia Paleaceae from Uttarakhand
10.	Mr. Ashutosh Paliwal	A survey of studies on ethnic uses and medicinal potential of Himalayan Lichens
11.	Ms. Babita Belal	Chemical profiling of various lentil (<i>Lens culinaris</i> Medik.) Genotypes collected from Uttarakhand
12.	Dr. Bharat Pandey	Chromatographic and pharmacognostic characterisation of some important drugs (unani herbal) for their identification
13.	Ms. Bhavna Saini	Glycerol acetalization with acetone into solketal over desilicated mordenite: an effective route
14.	Mr. Deepak Chandra	Comparative study of sickel cell disease in tribe and non

	Melkani	tribal families of Kumaun region
15.	Dr. Deepshrekha Punetha	Variation in the volatile secondary metabolites of <i>Foeniculum vulgare</i>
16.	Ms. Garima Chand	Design and synthesis of novel curcumin analogue hybrids and evaluation of their biological activity
17.	Dr. Geeta Tewari	Variation in the volatile components and antioxidant potential of fresh and dried walnut leaves from Kumaun Himalayas
18.	Dr. Gitu Kunwar	Antifungal activity of <i>O. Kilimandscharicum</i> guerke. Cultivated under metal stress
19.	Mr. H. Pande	Reproductive potential of the earthworm <i>Amyntas corticis</i> fed on animal manure
20.	Ms. Hema	Comparison of molecular interaction in ternary liquid mixtures
21.	Dr. Himanshu P. Lohani	Growth and reproduction of an endogeic earthworm, <i>amyntas corticis</i> , on different food sources
22.	Ms. Jeewanti Kanyal	Antifeedant activity of forskolin, a compound of <i>Plectranthus barbatus</i> andrews against <i>Spodoptera litura</i> (fabricius) larvae
23.	Mr. Jitendra Diwakar	One step novel synthesis of titanium h-aluminosilicate catalysts for oxidation of cyclohexene
24.	Ms. Anurima Modi	Engineered gold nanoparticles and small molecule assemblies for inhibition of protein fibrillation
25.	Mr. Basharat Suhail	“Green synthesis of carbon nanoparticles (cnps) from 2-acetoxybenzoic acid (disprin): synthesis, characterization and preliminary study of cultivation of fluorescent flowers”
26.	Mr. Bharat Patel	PVA-PLGA hybrid nanoparticles loaded with artemisinin-phospholipid complex for effective treatment of malaria
27.	Mr. Bhashkar Singh Bohra	Graphene oxide based polymer nanocomposite for structural applications
28.	Mr. Chetan Awasthi	Green synthesis of cobalt ferrite nanoparticle by <i>Hibiscus</i> extract
29.	Mr. Harish Garg	Structural and optical properties of transition metal (Fe, Ni and Co) doped CuO nanocomposites
30.	Mr. Krishnaiah Damarla	All ionic liquid based colloidal formulations as recyclable nanoreactors
31.	Mr. Mahender Sambharia	Synthesis of nanoparticles by plant extract media
32.	Ms. Monalisha Samanta	Preparation and characterisation of polymeric nanocomposite membrane for pervaporative separation of

		benzene/1-octene mixture
33.	Ms. Navjyoti Boora	Synthesis and characterization of LCMO composite and fabrication of its thin films by RF magnetron sputtering for room temperature application
34.	Ms. Neha Karki	Biocompatible and hydrophilic polymers functionalized graphene oxide mediated drug delivery
35.	Ms. Neema Pandey	A novel and facile biofabrication route of reduced graphene oxide using <i>Zingiber officinale</i> extract
36.	Ms. Nida Parveen	Development of gel based ophthalmic preparation of solid lipid nanoparticle containing ofloxacin and prednisolone
37.	Mr. Prabhat Pant	Synthesis and characterization of graphene oxide
38.	Mr. Pritam Das	Graphene based nano-drug delivery of curcumin for the treatment of dengue fever
39.	Ms. Reena Srivastava	DFT Analysis of HX (X=F, Cl, Br) adsorbed Si-decorated 10,0 CNT
40.	Ms. Sandhya Punetha	Toxicity of nanoparticles
41.	Ms. Sanjeev Kumar	Fabrication of photoluminescence polymeric nanofibers by doping of NaYF ₄ : Eu nanophosphor with poly vinyl alcohol (PVA) via electrospinning
42.	Ms. Seema	Development of nanoparticles of aromatic anticancer drug by spray dryer to enhance dissolution rate
43.	Ms. Shalini Singh	Effect of molecular weight of peg on the properties of PEG-capped TiO ₂ nanoparticles and their performance as DSSC photoanode
44.	Ms. Soni Sharma	Development of unified model for size and shape dependence of melting temperature for nanomaterials
45.	Mr. Soumyadeep Ghosh	Green synthesis and characterization of stable peg-coated silver nanoparticles using <i>Swietenia macrophylla</i> seeds extract with antimicrobial activity
46.	Ms. Saroj Bala	Electrochemical sensing of Ascorbic Acid using Gold Nanorods
47.	Mr. Sumit Durgapal	Recent advancements in the treatment and management of cataract
48.	Ms. Vibha Chourasiya	Furosemide loaded PLGA nanoparticles: preparation, characterization, in-vitro drug release and kinetic study
49.	Mr. Vineet Kandpal	Study of in vitro antifungal activity of the essential oils of <i>anisomeles indica</i> against selected plant pathogenic fungi

DAY 3: FUNCTIONAL MATERIALS

S.No.	NAME	ABSTRACT TITLE
1.	Ms. Jyoti Rawat	Lipid accumulation in microalgae under different nitrogen concentrations, isolated from fresh water Lakes of Uttarakhand
2.	Mr. Kamlesh Kumar	IBX-TfOH based new oxidant: an efficient recipe to oxidize alcohols under mild reaction condition and easier isolation of carbonyl compounds.
3.	Ms. Kiran Kumari	Benzo[H]quinoline as highly fluorescent chemosensor for transition metal ions in aqueous medium
4.	Ms. Kirti Nagarkoti	Chemical analysis and herbicidal activity determination in three accessions of <i>Acorus calamus</i>
5.	Ms. Lata Rana	Chemotypic diversity of <i>O. americanum</i> L. collected from Himalayan and Tarai lands of Uttarakhand, India
6.	Ms. Lovely Kumari	Synthesis and characterization of some new Zn and Co (II) complexes with thioflavones: antimycobacterial and anti leukemia activity
7.	Ms. Mamta Bisht	Effect of copper on the essential oil composition of <i>Mentha arvensis</i>
8.	Ms. Mansi Arya	Estimation of fats, protein content in milk of Khundi Breed (buffalo) of Kumaun Region Uttarakhand India
9.	Ms. Meena Adhikari	Steady state and time resolved study of 2, 5-hydroxybenzoic acid in polymer Matrices and solvent
10.	Ms. Meenakshi Upadhyay	Evaluation of wound healing potential of <i>Hypericum oblongifolium</i> Leaves
11.	Dr. Mohammad S. Javed	Comparative analysis of essential oil from roots of <i>rheum webbianum</i> royle
12.	Ms. Monika Chaudhary	Superior CO ₂ capture by nitrogen-enriched nanoporous polytriazines
13.	Ms. Monika Gupta	Formulation techniques of ayurvedic medicine
14.	Ms. Monika Matiyani	Chitosan nanoparticles grafted graphene oxide for drug delivery applications
15.	Mr. Narendra Singh Bisht	Synthesis of novel copper oxide doped BiOBr photocatalysts: highly efficient and selective photocatalysts for oxidation of alcohols
16.	Mr. Neeraj Pal	Testing of guard bed catalyst Ni-Mo/ γ -Al ₂ O ₃ of raw Jatropha oil for hydrotreatment
17.	Ms. Neha Saklani	To evaluate the Anti-Anaemic activity of <i>Punica granatum</i> seeds cultivated in hilly areas of Uttarakhand
18.	Ms. Nidhi Negi	Synthesis and biological activity of structurally improved

		and stable curcumin-coumarin analogues
19.	Dr. Nupur Pandey	Solvent dependent fluorescence sensing of 5-aminoquinoline by Ag ⁺ ion based on intra molecular charge transfer
20.	Mr. Omvir Singh	Deactivation and coke accumulation during ethanol aromatization
21.	Ms. Payal Thapa	Chemical composition, antifeedant and herbicidal activity in methanolic extract in <i>Cotinus coggygia</i> Scop.
22.	Dr. Penny Joshi	An overview of the bioactive secondary metabolites of lichens
23.	Ms. Pooja Joshi	Recognition of sulfate and acetate anions by urea based receptor
24.	Dr. Pooja Juyal	Traditional Use and chemical composition of natural products of Uttarakhand
25.	Dr. Poonam Rawat	Evaluation of molecular structure and biological activity of N-glycoside
26.	Mr. Pradeep Kumar Vishwakarma	Intense red emission from Ho ³⁺ /Yb ³⁺ co-doped Na _{0.5} Gd _{0.5} MoO ₄ phosphors and its applications
27.	Ms. Pratibha Arya	Study of molecular interaction in the ternary mixture of toluene, 1,4-dioxane, propanol from acoustic and thermodynamic parameters
28.	Dr. Pravin Onkar Patil	Functionalized fluorescent graphene quantum dot based sensor for early detection of lung cancer and bioimaging
29.	Mr. Rajathsing Kalusuling	Huminfuranic polymers as UV-shielding material in the transparent thin film composite
30.	Ms. Reena Dhyani	Study of multiferroic hexagonal YMnO ₃ thin films
31.	Ms. Rekha Palariya	Sustainable environmental enrichment management of white – crested kalij pheasant (<i>Lophura leucomelanos hamiltoni</i>)
32.	Mr. Sachin Kumar Sharma	Promoting effect of In ₂ O ₃ for CO ₂ hydrogenation to methanol over Cu-CeO ₂ catalyst
33.	Dr. Santosh K. Upadhyay	Targeting adhesins for combating aspergillosis and other fungal infections: a review of cardinal determinants of adhesin potential
34.	Mr. Satish Chandra Sati	Heat induced synthesis of amino acids from aqueous solution of cyanamide under varied prebiotic conditions
35.	Mr. Sayani Kar	Enhanced photocatalytic degradation of norfloxacin by RGO-ZnO composite and its photocurrent generation
36.	Mr. Sayyed Ashfaquallah	Regeneration of plants from nodal explants of <i>Origanum vulgare</i> L. – A high phytochemical source plant.

37.	Mr. Shahid Husain	Spectral investigation of three amino benzoic acid in neat and binary mixture solids
38.	Ms. Shailja Pandey	Comparative pharmacognostic characterisation and antioxidant potential of methanolic extract of <i>lantana camara</i> and <i>parthenium hysterophorus</i>
39.	Dr. Shalini Singh	Variation in the essential oil composition of <i>Origanum vulgare</i> L. Collected from ten sites of Kumaun Himalayas
40.	Ms. Shikha Bora	Comparative study of earthworm population and depth distribution in two different and use systems in Kumaun Himalaya, Uttarakhand, India
41.	Mr. Shravn Kumar	Synthesis and Characterization of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_{3-\delta}$ ($x = 0.0, 0.1, 0.3$ and 0.5) as Cathode Materials
42.	Ms. Sonal Agrawal	C_3N Sheet as Volatile Organic Compound Sensor: DFT Analysis
43.	Ms. Sumit Chaudhary	Physico-chemical studies of solid state synthesized organic compound; anthranilamide – 3 hydroxy 4 methoxy benzaldehyde
44.	Ms. Sushmita Dandeliya	B-CNT as ethanol sensor: ab-initio analysis
45.	Ms. Shweta Goyal	GC-MS Analyses of the essential oil of <i>Thymus serpyllum</i> L. grown at different altitudes in Western Himalayas
46.	Mr. Veer Babu. Poliseti	Poly (Ethylene Oxide) (PEO) - TiO_2 blended High Flux Polyvinylidene Fluoride (PVDF) Ultrafiltration Membranes: Properties and Performance
47.	Dr. Vijendra Lingwal	Current mechanisms in RF sputtered sodium Niobate thin films
48.	Mr. Vikki N. Shinde	One-pot sequential knoevenagel condensation and oxidative cross coupling reactions: direct access of imidazopyridine fused indoles