

LIST OF THE RESEARCH SCHOLARS RECOMMENDED FOR THE UDDEEPAN AWARDS: 2023-24

S. No.	Name of Student	Department	Title(s) of Paper(s)
1	Abdul Faiz Ansari	Mathematics and Astronomy	Darcy-Brinkman Flow in an anisotropic rotating porous channel under influence of magnetic field
2	Akanksha Mishra	Physics	Colorimetric and absorbance based sensor for sulfide and bicarbonate ions by dye doped polymer composite
3	Aman Verma	Library and Information Science	Availability and Half-life of Web Citations: A Four-Year Longitudinal Study
4	Ankita Gupta	Biochemistry	Mannose specific plant and microbial lectins as antiviral agents: A review
5	Anmol Verma	Chemistry	Design and synthesis of potential candidate molecule designated as Diosgenin Aceclofenac ester as an anticancer agent on SiHa cell line, its spectroscopic DFT and molecular docking studies
6	Aparna Kushwaha	Chemistry	1. Insights into supramolecular and molecular electrocatalytic properties for oxygen and hydrogen evolution reactions of 1,2-bis(diphenylphosphine)ethane appended nickel(II) 1,2-dithiosquarate 2. 1,1-Bis (diphenylphosphino)ferrocene appended d8 - d10 configuration based thiosquarates: the molecular electronic configurational insights into their sensitization and co-sensitized properties for dye-sensitized solar cells
7	Apoorva Sharma	Education	The Imposter Phenomenon: What is it and why does it occur?
8	Archana Mishra	Physics	A DFT study on structure, electronic, magnetic and mechanical properties of full Heusler alloys Co ₂ TaZ (Z = Si and Sn)
9	Archana Pal	Education	Examining the Efficacy and Engagement of Virtual Classrooms and Learning Environment: A comprehensive review
10	Archana Tiwari	Commerce	Impact of fashion influencers on consumers' purchase intentions: theory of planned behaviour and mediation of attitude
11	Ashwin Kumar Shukla	Zoology	CD36 gene variant rs1761667(G/A) as a biomarker in obese type 2 diabetes mellitus cases
12	Deepak Gupta	Education	Constructive approach to Learning Language
13	Dipali Gupta	Zoology	Effect of parental age on developmental rate polymorphism of the ladybird beetle, <i>Propylea dissecta</i>
14	Divyanshu Yadav	Botany	A comprehensive review on soft rot disease management in ginger (<i>Zingiber officinale</i>) for enhancing its pharmaceutical and industrial value
15	Faraz Ghous	Chemistry	1. Synthesis, in-silico investigations, molecular docking, ADMET, and anti-lung cancer activity studies of 1, 2, 4, 5-tetraazaspiro [5.5] undecane-3-thione 2. Synthesis, characterization, anti-lung cancer activity, and in-silico studies of some novel triazole-based analogues as Pellizzari products
16	Garima Shukla	Physics	Analysis of palladium dispersed nematic matrix for the power efficient applications
17	Habiba Khan	Zoology	Structural based docking and biological evaluation towards exploring potential anti-cancerous and apoptotic activity of 6-Gingerol against human prostate carcinoma cells
18	Harpreet Singh	Library and Information Science	Tracking the impact and trends in Water Resources Research in India: A Scientometric Analysis
19	Hera Alam	Zoology	The extent of regeneration is impacted by the stage of amputation in ladybird beetles a case study in <i>Cheilomenes sexmaculata</i>
20	Kajal Chandra	Botany	Pentamerous fossil flowers and fruits from Rajasthan reveals the dominance of flowering plants in the Early Paleogene of India
21	Khushboo Chaturvedi	Zoology	The presence/absence of conspecifics modulates the circadian locomotor activity and body mass in spotted munia(<i>Lonchura punctulata</i>)
22	Khushbu Verma	Commerce	Financial Literacy and Investment Decisions in a select demography in India
23	Kirti Kumari	Botany	Physiological alteration and heavy metal accumulation in the transplanted lichen <i>Pyxine coccinea</i> (Sw.)Nyl. In Lucknow city, Uttar Pradesh
24	Kirtika Yadav	Physics	C-Dots dispersed nematic liquid crystal as tunable retarder

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25	Komal Awasthi	Zoology	Role of renin-angiotensin system/angiotensin converting enzyme-2 mechanism and enhanced COVID-19 susceptibility in type 2 diabetes mellitus
26	Komal Sharma	Botany	Comparative study of Chromium Phytoremediation by two aquatic macrophytes
27	Lata Verma	Zoology	Mating alters the food choices of adult lady bird beetle(<i>Propylea dissecta</i> mulsant)
28	Manmohan Mishra	Physics	Elevating energy storage: High-entropy materials take center stage
29	Mohammad Amir	Botany	1. Phytofabricated gold nanoparticles as modulators of salt stress responses in spinach: Implications for Redox Homeostasis, Biochemical and Physiological adaptation 2. Role of phytofabricated gold Nanoparticles for enhancing sustainable <i>Spinacia oleracea</i> L. production
30	Mohd Mabood Khan	Zoology	1. Integrated grade-wise profiling analysis reveals potentials miR-373-3p as prognostic indicator in Prostate cancer & its target KPNA2 2. Emerging role of mRNA in prostate cancer: A future era of diagnostics and therapeutics
31	Mohd Sariq	Zoology	Heterospecific interference modulates the reproductive traits of a ladybird beetle.
32	Nyanda Benjamin	Education	Factors influencing teachers' readiness to integrate artificial intelligence into their teaching practices
33	Prakhar Mishra	Chemistry	Controlled synthesis of efficient novel Cr _{0.2} Co _{0.8} O ₄ -MoO ₃ nanocomposites for high performance O ₂ -evolution and methanol oxidation in alkaline medium
34	Priti Singh	Education	A critical study of National Education policy 2020: Issues and challenges
35	Priya Saxena	Botany	Spatio-temporal distribution and source contribution of the ambient pollutants in the Lucknow city, India
36	Rahul Kumar Verma	Geology	Statistical Estimation of Uniaxial Compressive Strength in Geotechnical Projects Using Regression Analysis: A Comparative Study
37	Rajat Kumar Mishra	Physics	1. Doping impacts of La ₂ O ₃ on physical, structural, optical and radiation shielding properties of (30-x) BaCO ₃ -30TiO ₂ -40SiO ₂ -xLa ₂ O ₃ (0 ≤ x ≤ 6) glasses for optoelectronic applications 2. Synergistic Effect of Fe ₂ O ₃ Doping on Physical, Structural, Optical, and Radiation Shielding Characteristics of the Glasses in a System (30-x)BaO-30TiO ₂ -40SiO ₂ -xFe ₂ O ₃ (0 ≤ x ≤ 6) for Optoelectronic Applications 3. Synergistic effect of zirconia reinforcement in SrTiO ₃ -borosilicate glasses for radiation shielding applications 4. Synergistic doping effect of La ₂ O ₃ on BaO-TiO ₂ -SiO ₂ glass-ceramics: Evolution of physical, structural, morphological, and dielectric behaviour for electronics applications
38	Rajni Chaudhary	Physics	Unraveled mesophase dynamics of discotic liquid crystal using combination of vibrational spectroscopy and DFT
39	Rakhi	Physics	Monitoring of CO ₂ using MWCNTs functionalized clay porous composite for clean room facility
40	Reena Parihar	Chemistry	Tailoring spinel with perovskite: Sr-Substitution in the Perovskite Phase of CoFe ₂ O ₄ -LaCoO ₃ nanocomposite for oxygen Evolution and Methanol Oxidation in alkaline medium
41	Roshani Gupta	Botany	Relative Effectiveness of Iron in complex with organic Ligands on Functional Iron Status of Maize Plants
42	Sadhna Tiwari	Physics	Investigation of electro-optical and dielectric properties of pure and dispersed nematic liquid-crystal
43	Saransh Saxena	Physics	Optimization of the properties of nematic matrix suspended with subtle quantities of the nanoparticles for improved alignment and operating voltage
44	Sarvesh Kumar Avinashi	Physics	Fabrication of Novel 3-D Nanocomposites of HAp-TiC-h-BN-ZrO ₂ : Enhanced Mechanical Performances and In Vivo Toxicity Study for Biomedical Applications
45	Satish Kumar Yadav	Renewable Energy Education and	Long-term performance and degradation analysis of a 5MW solar PV plant in Andaman and Nicobar Islands

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46	Saurabh Kumar	Zoology	TNF- α and MMPs mediated mucus hypersecretion induced by cigarette smoke: An <i>in vitro</i> study
47	Savita Kumari	Physics	1. Enhanced physical and mechanical properties of resin added with aluminum oxyhydroxide for dental applications 2. Fabrication, structural, and enhanced mechanical behavior of MgO substituted PMMA composites for dental applications 3. Optimized Performance of PMMA Denture Base Material: Enhanced Mechanical, Biocompatibility, and Antibacterial Properties Modified with Extracted Jackfruit Latex Resin 4. Synergetic impact of MgO on PMMA-ZrO ₂ hybrid composites: Evaluation of structural, morphological and improved mechanical behavior for dental applications
48	Shafquat Fakhrah	Botany	Decoding the Flower-Anthesis Mechanism in <i>Cestrum nocturnum</i> and <i>Cestrum diurnum</i>
49	Shama Parveen	Zoology	Enhanced therapeutic efficacy of Piperlongumine for cancer treatment using nano-liposomes mediated delivery
50	Sharda Pandey	Physics	The mechanistic pathway of paracetamol degradation using UV/H ₂ O ₂ with PVP functionalized ZnO Nanorods
51	Shefalee Singh	Zoology	1. Prolonged exposure to mercuric chloride induces oxidative stress-mediated nephrotoxicity in freshwater food fish <i>Channa punctatus</i> 2. Oxidative stress, inflammation, and steatosis elucidate the complex dynamics of HgCl ₂ induced liver damage in <i>Channa punctata</i>
52	Shikha Agarwal	Physics	Inquisitive Optical and Electro-Optical Attributes of Azo-Dye Dispersed Nematic Liquid Crystal for Applications in Wavelength-Tunable Optical Filters
53	Shirza Rai	Zoology	Effect of larval thermal conditions on limb regeneration in a ladybird beetle, <i>Cheilomenes sexmaculata</i>
54	Shivangi Srivastava	Physics	1. Development of highly sensitive SnO ₂ @ ZnO based chemiresistor for Ammonia sensing 2. Development of V ₂ O ₅ @ GO (1D/2D) nanohybrid based chemiresistor for low-trace of toluene
55	Shivangi Tripathi	Physics	1. Highly enhanced fluorescence parameters in a dye doped liquid crystal compound 2. Size-dependent optical and dielectric anisotropy of CdS nanowire doped highbirefringent nematic liquid crystalline compound
56	Shivani Maurya	Physics	Facile green synthesis of silver nanoparticles: Relevance in localized surface plasmon resonance and molecular imprinted polymer sensor for detection of Tetrabromobisphenol A in electronic waste
57	Shweta	Physics	1. Fabrication of bioactive transparent glass ceramics 55SiO ₂ -25Na ₂ O-(15-x)CaO-5P ₂ O ₅ - xZrO ₂ (0≤x≤6): Physical, structural and <i>in vitro</i> cell viability insights for biomedical applications 2. Synergetic effects of boron nitride with waste zirconia: Evaluation of instantaneous fingerprint detection and mechanical properties for biomedical applications
58	Soni Shukla	Chemistry	Spectroscopic characterization, molecular docking and machine learning studies of sulphur containing hydrazide derivatives
59	Tanu Yadav	Zoology	Assessment of ABCA1 gene in association with Coronary Artery Disease (CAD)
60	Vartika Gupta	Botany	Delineating biomonitoring potential of two crustose lichens <i>Bacidia convexula</i> and <i>B. submedialis</i> through elemental accumulation and microstructural parameters
61	Vernica Verma	Physics	Room temperature LPG sensing of highly responsive Ag- doped CuO: SnO ₂ nanocomposite
62	Vivek Yadav	Physics	Sodium superionic conductor Na Ti ₂ (PO ₄) ₃ as a solid electrolyte: A combined experimental and theoretical study