

LIST OF RESEARCH SCHOLARS RECOMMENDED FOR THE UDDEEPAN AWARD: 2022-23

S. No.	Name of Student	Department	Title of Research Papers
1	Anjali Mishra	Social Work	Social Work Practice in School Settings
2	Anoop Kumar Singh	Geology	Sedimentary Parameters and Evolution of the Outwash Plain Deposits during late holocene in the Gangotri Glacier Region, Garhwal, Himalaya, India.
3	Anupam Kushwaha	Physics	An axisymmetric metal and metal-oxide grating-structured self reference fiber optic SPR sensor
4	Archana Pal	Education	Procrastination in Higher Education as an unethical behaviour and a requisite of UGC Regulation and Amendments
5	Archana Prasad	Botany	Biotic elicitor- induced changes in the growth, antioxidative defense and metabolites in an improved prickless <i>Solanum viarum</i>
6	Arpit Singh	Botany	The industrially important genus <i>Kaempferia</i> : An ethopharmacological review
7	Ashok Singh Bahota	Physics	1. Ab-initio Simulation of the interaction of gold nanoclusters with glycerine 2. First principal study of interaction of copper doped gold nanoclusters with glycerine
8	Astha Singh	Education	Developing Strategical Framework for dealing with Language Delay in Autistic Children

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DEEPA AWARD: 2022-23

S. No.	Name of Student	Department	Title of Research Papers
9	Devyani Srivastava	Chemistry	<ol style="list-style-type: none"> <li>New Heteroleptic 1,2-Bis(diphenylphosphino)ethane appended Cobalt(III) Ferrocene Dithiocarbamates as Sensitizers in Dye Sensitizer Solar Cells (DSSCs)</li> <li>Sulfinato-Bridged 1,2-Bis(diphenylphosphino)ethane (dppe) appended Trinuclear Nickel (II) Clusters: Crystallographic and Computational Analysis.</li> <li>Centrosymmetric Nickel(II) Complexes derived from Bis(Dithiocarbamato)piperazine with 1,1-1,2-Bis-(Diphenylphosphino) ferrocene and 1,2-Bis-(Diphenylphosphino)ethane as Ancillary Ligands: syntheses, Crystal structure and computational studies</li> </ol>
10	Faraz Ghous	Chemistry	<p>Synthesis, crystal structure, computational investigation, molecular docking analysis and anti-lung cancer activity of novel(Z)-3-amino-2-cyclohexylidenehydrazono(thiazolidin-4-one</p>
11	Govind Pathak	Physics	<p>Influence of the composite mixtures between nematic liquid crystal and porous carbon nanoparticles towards photoluminescence and UV absorbance</p>

LIST OF RESEARCH SCHOLARS RECOMMENDED FOR THE UDDILPAN AWARD: 2022-23

S. No.	Name of Student	Department	Title of Research Papers
12	Habiba Khan	Zoology	Elucidating molecular and cellular targets and antiproliferate cancer potentialsof promising phytochemicals: a review
13	Jyoti Tiwari	Zoology	1. Photoperiod-driven concurrent changes in hypothalamic and brainstem transcription of sleep and immune genes in migratory redheaded bunting. 2. Photoperiodic modulation of melatonin receptor and immune genes in migratory redheaded bunting
14	Komal Sharma	Botany	Phytoremediation of Heavy Metals by <i>Azolla filiculoides</i> Lam. From fly Ash polluted Water Bodies
15	Kritika Agarwal	Library and Information Science	Presence of digital divide in Internet Usage among students in higher education
16	Pawan Kumar Gautam	Geology	1. Geomorphic Analysis of Baghain River, Yamuna Basin, and its Implication for drainage characteristic and Tectonics using remote sensing and GIS Techniques 2. Drainage Network analysis and Tectonics Interference of Reth River, Central Ganga Plain(India) using Geospatial technology
17	Peramjeet Singh	Physics	1. Highly Sensitive pure molybdenum trioxide thin films at higher annealing temperature for liquefied petroleum gas and humidity sensing at room temperature

LIST OF RESEARCH SCHOLARS RECOMMENDED FOR THE UDDEPAN AWARD: 2022-23

S. No.	Name of Student	Department	Title of Research Papers
18	Pratiksha Maura	Physics	2. Analysis of optical, chemical, surface and humidity sensing characteristics of nanostructured Bi <sub>2</sub> O <sub>3</sub> -doped MoO <sub>3</sub> materials MIP integrated surface plasmon resonance in vitro detection of sodium benzoate
19	Priya Saxena	Botany	Chemical characterization of PM10 and PM2.5 combusted firecracker particles during Diwali of Lucknow city, India: air quality deterioration and health implications
20	Richa Arya	Library and Information Science	Applicability of Lotka's inverse square law of Scientific productivity in the field of Diabetes Mellitus Type 1
21	Rajat Kumar Mishra	Physics	1. Effect of Pb <sup>++</sup> /Sr <sup>++</sup> Ratio on Physical, Structural, and Mechanical Properties of (Pb-Sr)TiO <sub>3</sub> Borosilicate Glass ceramics 2. Physical, Structural, and Optical Properties of ZrO <sub>2</sub> Reinforced (100-x-y)[SrTiO <sub>3</sub> ]-x[2b2o3.sio2]-y[ZrO <sub>2</sub> ] Glasses
22	Rajni Chaudhary	Physics	Monitoring structural fluctuations of discotic liquid during phase transition
23	Rohit Siddhartha	Biochemistry	Interplay between extracellular matrix remodelling and angiogenesis in tumor ecosystem
24	Sana Akhtar Usmani	Biochemistry	Beyond membrane components: uncovering the intriguing world of fungal sphingolipid synthesis and regulation

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25	Saumya Singh	Physics	<p>1. Electron acceleration by wakefield generated by propagation of chirped laser pulse in plasma</p> <p>2. Generation of tunable terahertz radiation by a laserpulse propagating in magnetized plasma channel</p>
26	Savita Kumari	Physics	<p>Structural, Mechanical and biological properties of PMMA-ZrO2 nanocomposites for denture applications</p>
27	Saurabh Kumar	Zoology	<p>Association of MMP7 T &gt; C Gene variant (rs:10502001) and expression in Chronic Obstructive Pulmonary disease</p>
28	Seema Mishra	Chemistry	<p>Evaluating the Efficacy and feasibility of post harvest methods for arsenic removal from rice grain and reduction of arsenic induced cancer risk from rice-based diet</p>
29	Shalini Singh	Zoology	<p>Pharmacogenetic impact of SLC22A1 gene variant rs628031(G/A) in newly diagnosed Indian Type 2 diabetes patients under going metformin monotherapy</p>
30	Shilpa Nandan	Zoology	<p>Survey of Musquito Diversity in different areas in and around Lucknow(U.P.) in different season</p>
31	Shivani Maurya	Physics	<p>Dual mode fiber optic high performance sensor designs for ultra-low concentration in NIR regions</p>

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S. No.	Name of Student	Department	Title of Research Papers
32	Shweta	Physics	Structural, Morphological and mechanical Insights from La2 O3 Doped Machinable Silicate Glass: Ceramics for Biomedical applications 1. Experimental and In-Silico investigations on novel bioactive 4-phenyl-2-thioxo-3,4-dihydro-1H-pyridol[1,2-a]pyrimido[4,5-d]pyrimidin-5(2H)-one
33	Sonam Rai	Chemistry	2. An Expedient Three-Component Synthesis of Novel Pyrido-Pyrimidine Derivatives: Antimicrobial Activity, Molecular Docking and ADME studies Coagulation proteases and neurotransmitters in pathogenicity of glioblastoma multiforme ICT integration to strengthen the Indian Language system in Higher Education: An Overview
34	Sukanya Tripathy	Zoology	1. Effect of the presence of predatory cues and hunger on cannibalistic behaviour of lady bird beetle, <i>Menochilus sexmaculatus</i> Fabricius(Coleoptera:Coccinellidae)
35	Surbhi Sharma	Education	2. Maternal cannibalistic preferences affect offspring preferences and development in <i>Menochilus sexmaculatus</i> Fabricius(Coleoptera:Coccinellidae)
36	Tripti Yadav	Zoology	transgenerational investigation

S. No.	Name of Student	Department	Title of Research Papers
37	Vernica Verma	Physics	3. Effect of victim relatedness of the cannibalistic behaviour of lady bird beetle, <i>Cheilomenes sexmaculatus</i> Fabricius(Coleoptera:Coccinellidae) Liquified Petroleum Gas(LPG) sensing of biphasic Cu <sub>6</sub> Sn <sub>5</sub> :SnO <sub>2</sub> nanocomposite thin film
38	Vijay Kumar	Botany	Zinc deficiency-- induced differential biochemical responses of zinc efficient and zinc inefficient rice plant

Handwritten signatures of the students and a reviewer.