



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh
(Accredited by NAAC with 'A+' Grade with CGPA of 3.42)
रसायन एवं रसायनिक विज्ञान विभाग/ Department of Chemistry & Chemical Sciences
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CCS 627 M.Sc. Dissertation of students Session 2023-2024

S.NO.	Name	Roll No	Title Of Dissertation	Name of Faculty Supervisor
1.	Anjali Katoch	CUHP22CCS06	Iron Doped Nickel Oxide/Graphene Oxide Nanocomposite for Photocatalytic Degradation of Wastewater Pollutants	Dr. Vivek Sheel
2.	Arti Kushwah	CUHP22CCS11	Photocatalytic Efficiency of Selenium Doped Graphene Oxide Nanocatalyst for Removal of Textile Pollutants	Dr. Vivek Sheel
3.	Mousumi Paul	CUHP22CCS24	Chitosan Stabilized Selenium Nanoparticles for the Removal of Waste Water Pollutant.	Dr. Vivek Sheel
4.	Vikas Choudhary	CUHP22CCS37	Heterogenous CuO-NiO-ZnO Metal Oxides Nanocomposites For Photocatalytic Degradation of Cationic Dye	Dr. Vivek Sheel
5.	Somesh Vashisth	CUHP22CCS43	Polyvinyl Alcohol Coated Iron Oxide Nanoparticles For The Photocatalytic Removal Of Synthetic Dyes From Aqueous Solution	Dr. Vivek Sheel
6.	Aman	CUHP22CCS05	Microemulsion Mediated Organically Modified Silica Based Sensor for Electrocatalysis	Dr. Pramod Kumar
7.	Arpita Sen	CUHP22CCS10	Design and characterize magnetic biochar from biomass for dye degradation	Dr. Pramod Kumar
8.	Deeksha	CUHP22CCS14	Development of Microemulsion Mediated ORMOSIL Nanoaprticles Doped with Fluorophore and Its Application in Bio Medical	Dr. Pramod Kumar
9.	Nipjyoti Sharma	CUHP22CCS26	Synthesis and Characterization of Agriculture Waste Produced Biochar for Photocatalytic Degradation	Dr. Pramod Kumar

10.	Sahil	CUHP22CCS31	Synthesis and Characterization of Mixed Biochar for Removal of Hazardous solvents for Wastewater Treatment	Dr. Pramod Kumar
11.	Sahil Thakur	CUHP22CCS32	Development of Mixed Pinechir and Plastic Waste Biochar to Biochar LDH Composite For the Detection of Heavy Metal ions	Dr. Pramod Kumar
12.	Akshit	CUHP22CCS04	Photocatalytic Degradation of Methylene Blue using Molybdenum Oxide Nanoparticles Prepared by Combustion Assisted Method	Dr. Manish Kumar
13.	Ankita Sharma	CUHP22CCS07	Synthesis and Characterization of Carbon Nanoparticles/Zinc Oxide/Titanium dioxide Nanocomposites for Environmental Remediation	Dr. Manish Kumar
14	Ankush Chaudhary	CUHP22CCS08	Synthesis and Characterization of Zinc Oxide/Graphene Oxide/Sodium Alginate Nanocomposites for Pollutant Degradation	Dr. Manish Kumar
15.	Deepanshu Lodhia	CUHP22CCS40	Synthesis of Fertilizer Loaded Poly(vinylpyrrolidone)/Chitosan based Hydrogel for Agriculture Applications	Dr. Manish Kumar
16.	Jasmine	CUHP22CCS41	Degradation of Methylene Blue by Tetragonal Zirconium Oxide Nanoparticles Synthesized by Combustion Method	Dr. Manish Kumar
17.	Preeti	CUHP22CCS42	Fabrication and Characterization of novel $MnTiO_3/MnFe_2O_4$ heterojunction with its application in photocatalytic degradation of organic dyes under visible light irradiation	Dr. Manish Kumar
18.	Simranjeet Kaur	CUHP22CCS35	Nitrogen and Sulfur Co-doped Carbon Nanofiber for the Detection of Lead (II) ions in Contaminated Water	Dr. Neeraj Gupta
19.	David Rosario	CUHP22CCS13	Facile and Green Synthesis of Paddy Straw Modified N,S-Carbon Quantum Dots for the	Dr. Neeraj Gupta

			Fluorescent Sensing of Dopamine	
20.	Deepanshu Chaudhary	CUHP22CCS35	Designing of Carbon-based Nanomaterials for Environmental Remediation	Dr. Neeraj Gupta
21.	Govind Prjapat	CUHP22CCS16	Exploring Nickel-Based Heterogeneous Catalyst for C-H Functionalization of 5-Hydroxymethylfurfural	Dr. Neeraj Gupta
22.	Himani Bhadwal	CUHP22CCS35	Harnessing Nickel as Heterogeneous Catalyst for C-H Bond Activation in Benzaldehyde	Dr. Neeraj Gupta
23.	Mohit Kumar	CUHP22CCS23	Fabrication of N-doped Carbon based Nanomaterials for Waste Water Treatment	Dr. Neeraj Gupta
24.	Aril Attri	CUHP22CCS09	Green Synthesis of carbon dots using white-radish juice via hydrothermal treatment	Dr. Shiwani Berry
25.	Hitendar Kumar	CUHP22CCS18	Photocatalytic Investigation of MgO Nanoparticles Prepared by Green Synthesis	Dr. Shiwani Berry
26.	Isha	CUHP22CCS19	A Cost-effective Method for the Efficient Synthesis of Knoevenagel Condensation Reaction and Photocatalytic Degradation of Crystal Violet Dye Using Potato Rich Starch Coated Iron Oxide Nanoparticles	Dr. Shiwani Berry
27.	Ishita	CUHP22CCS20	Biogenic Synthesis, Characterization and Photocatalytic Efficacy (Methylene Blue) of MgO Nanoparticles using <i>Psidium Guajava</i> Leaf Extract	Dr. Shiwani Berry
28.	Sakshi	CUHP22CCS33	Synthesis of Imine-Based ZnS Nanoparticles for Efficient Degradation of Methylene Blue	Dr. Shiwani Berry
29.	Apoorva Kaundal	CUHP22CCS39	Comparative Study of Crystal Violet Dye in Dual Phase Using Chitosan – Vanillin Schiff Base	Dr. Shiwani Berry

30.	Aarti	CUHP22CCS01	Heavy Metal Ion detection by Biopolymer coated Chitosan	Dr. Rajendar kumar
31.	Palak	CUHP22CCS27	Green Synthesis of Copper Oxide Nanoparticles decorated with Graphene Oxide for Photocatalytic application	Dr. Rajendar kumar
32.	Praduman	CUHP22CCS29	Synthesis of Covalent Organic Framework for the detection of heavy metal ions	Dr. Rajendar kumar
33.	Priya	CUHP22CCS30	Biopolymer conjugated Cerium Oxide Nanoparticles and their Photocatalytic Activity	Dr. Rajendar kumar
34.	Shalin Shukla	CUHP22CCS34	Synthesis & characterization of green fluorescent carbon based quantum dots from fenugreek leaves	Dr. Rajendar kumar



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