



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
शाहपुर परिसर, जिला काँगड़ा, हिमाचल प्रदेश-176206




M.Sc. Dissertation of M.Sc. Students of Session 2022-2023

S.NO.	Name	Roll No.	Title of dissertation	Name of Faculty Supervisor
1.	Nancy Mehra	CUHP21CCS14	Chemical Synthesis of Copper Oxide Nanoparticles.	Dr. Vivek Sheel
2.	Preeti Kaler	CUHP21CCS18	Synthesis of Cadmium Oxide Nanoparticle and their Application on Photocatalytic Dye Degradation	Dr. Vivek Sheel
3.	Sweeti	CUHP21CCS33	Sustainable Synthesis of Copper Oxide Nanoparticle using Aegle Marmelos leaf extract and its Characterization	Dr. Vivek Sheel
4.	Ajay Kumar	CUHP21CCS339	Green Synthesis of Iron Oxide Nanoparticle their Characterization and Photocatalytic Application	Dr. Vivek Sheel
5.	Deepshikha	CUHP21CCS07	Synthesis and Characterization of ORMOSIL Nanoparticles for the applications in drug delivery	Dr. Pramod Kumar
6.	Deepshikha	CUHP21CCS08	Biomedical Application of Superparamagnetic Nanoparticles as a Theranostic Agent	Dr. Pramod Kumar
7.	Krishna	CUHP21CCS13	Synthesis of Characterization and application of Iron Selenides nanorods in Drug Delivery	Dr. Pramod Kumar
8.	Shabnam	CUHP21CCS27	Synthesis of gold nanorods with Potential Application in Catalysis	Dr. Pramod Kumar
9.	Shivani	CUHP21CCS31	Iron Sulphide (FeS) Nanoparticles - Synthesis and Characterization Application in Wastewater Treatment	Dr. Pramod Kumar
10.	Aditi	CUHP21CCS01	Highly Efficient Synthesis of Chitosan Schiff Base via Environmental Benign Method	Dr. Shivani Berry

11.	Anita	CUHP21CCS02	Biogenic synthesis of Magnesium oxide Nanoparticles Using Psidium guajava and Eucalyptus Leaf Extract for Photocatalytic Activity	Dr. Shiwani Berry
12.	Gaurav	CUHP21CCS10	Extraction of orange Essential Oil in Coconut Oil and it's Possible Applications	Dr. Shiwani Berry
13.	Neha	CUHP21CCS15	Utilization of Whey Waste for Film Formation and Study on its Possible Application	Dr. Shiwani Berry
14.	Vishal	CUHP21CCS34	Green Synthesis and Characterization of Starch Coated Magnetite Nanoparticles and their Evaluation in Waste Water Treatment	Dr. Shiwani Berry
15.	Anu	CUHP21CCS05	Synthesis of TiO ₂ based polymer nanocomposites and their applications	Dr. Manish Kumar
16.	Sahil Mariana	CUHP21CCS22	Synthesis of spinel zinc ferrite nanoparticles for photocatalytic applications	Dr. Manish Kumar
17.	Samriti	CUHP21CCS24	Synthesis of Polysaccharide based nanocomposite of silver and their applications	Dr. Manish Kumar
18.	Arpan Katoch	CUHP21CCS35	Iron Proteome of Obligate Intracellular Pathogen Chlamydia trachomatis	Dr. Manish Kumar
19.	Anmol Thakur	CUHP21CCS04	One-Pot Diels-Alder (4+2) Cycloaddition of Furfural and Maleic Anhydride catalyzed by Boron Rich Nanodiamonds: A Metal-Free Approach	Dr. Neeraj Gupta
20.	Anjali sharma	CUHP21CCS03	Green Route for the [4+2] Cycloaddition of 5-HMF and Maleic Anhydride using Metal-Free Carbon-Based Catalyst	Dr. Neeraj Gupta
21.	Sakshi	CUHP21CCS23	C-H Activation of Biomass Derived Furfural using Ruthenium Supported on Heterogeneous Carbon Support	Dr. Neeraj Gupta

22.	Diksha Garg	CUHP21CCS09	Carbon-Based Heterogeneous Catalyst for C-H Activation of 2-Furyl Methyl Ketone	Dr. Neeraj Gupta
23.	Sachin Kumar	CUHP21CCS21	Selective Oxidation of Biomass Derived Furfural into Value-Added Chemical Furoic Acid using Carbon-Based NHC Catalyst	Dr. Neeraj Gupta
24.	Nirmal Singh	CUHP21CCS16	Metal Free Approach using N-Heterocyclic Carbene Catalyst for Oxidation of HMF	Dr. Neeraj Gupta
25.	Sangam Bharti	CUHP21CCS25	Starch functionalized Polyethyleneimine Graphene Oxide nanocomposite for methylene blue adsorption from water	Dr. Rajendar Kumar
26.	Shifali Choudhary	CUHP21CCS28	Neem Oil coated ZnO nanoparticles and its Biopesticidal Activity on <i>Callosobruchus maculatus</i>	Dr. Rajendar Kumar
27.	Reetika	CUHP21CCS26	Functionalization of Dopamine with Amino Sugar for advanced application	Dr. Rajendar Kumar
28.	Satish Kumar	CUHP21CCS26	Controlled release of Oflaxacin through Ninhydrin modified Polydopamine Nanocomposite	Dr. Rajendar Kumar
29.	Harish	CUHP21CCS11	Phytotoxicity of PEI coated CuO nanoparticles in agricultural plants	Dr. Rajendar Kumar
30.	Rahul	CUHP21CCS19	PDA coated iron oxide nanocomposite stability in biological fluids under different physiological conditions	Dr. Rajendar Kumar
31.	SHILPA	CUHP21CCS30	Green Synthesis of Silver Nanoparticles using Plant Extract of <i>Brassica Campestris</i> and their Photocatalytic Degradation of Dye	Dr. Vivek Sheel
32.	SUCHITA	CUHP21CCS32	Synthesis of Magnesium Doped Zinc Oxide Nanoparticles	Dr. Vivek Sheel


 HOD
 Department of chemistry and Chemical Sciences

Head, Dept. of Chemistry
 हिमाचल प्रदेश विश्वविद्यालय
 Central University of Himachal Pradesh
 शाहपुर कैंपस, शाहपुर, कांगड़ा जिला
 Shahpur Campus, Shahpur, District Kangra
 हिमाचल प्रदेश Himachal Pradesh - 176206