


**List of Ph.D scholars of the Department of Chemistry with their title and area of research (16.01.2023)**

S.No.	Name of the candidate	Name of the Supervisor	Title	Date of registration
1.	Deepika Sharma(Part Time)	Prof. S.K. Pandey	Design, synthesis and characterization of some 3d metal complexes with dithio ligands and their antimicrobial evaluation	01-05-2017
2.	Neha Sharma	Dr. Monika Gupta	Study of some ionic liquid based heterogeneous nano-metal catalysts in organic transformations	25-05-2017
3.	Pankaj Sharma(Part Time)	Prof. Meena Sharma	Acoustical, physico-chemical and thermodynamic studies of some ionic liquids and inorganic salts	25-05-2017
4.	Sandeep Singh(Part Time)	Prof. K.K. Kappor	Development of hybrid molecules containing coumarin moiety as anti-cancer agents	28-07-2017
5.	Irfan Qadir	Prof. D.S. Sambyal	Synthesis, structure and physical properties of some Ruddlesden-Popper oxides	02-04-2018
6.	Rehana Yasmeen	Prof. H.N Sheikh	Anchoring of new metalloporphyrin based graphene oxide nanocomposites: Synthesis, photophysical, biological and catalytic properties.	05-09-2018
7.	Manjeet Singh	Prof. Meena Sharma	Acoustic and thermodynamic studies of aqueous solutions of some anti-depressant drugs-amino acids and ionic liquids-peptides.	07-09-2018
8.	Shikha Sharma	Prof. D.S. Sambyal	Synthesis and characterization of some 3d transition metals containing nano and bulk perovskite oxides.	07-09-2018
9.	Anu Choudhary	Prof. Satya Paul	Development of modified layered double hydroxides as catalysts in organic synthesis.	31-08-2018
10.	Pretam Kumar	Prof. S.K. Pandey	Phosphor-1,1-dithiolate complexes of some elements of group 12 and 14: Synthesis, characterization and biological activity.	10-09-2018
11.	Zaib-Ul-Nisa	Prof. H.N. Sheikh	Synthesis, characterization and properties of functional coordination polymers of some lanthanides with rigid aromatic and flexible aliphatic carboxylates as linkers.	10-09-2018
12.	Sonakshi Sasan	Prof. Kamal K Kapoor	Development of some nitrogen based heterocycles as fluorescent chemosensors	21-12-2018
13.	Sukanya Sharma	Prof. Satya Paul	Development of metal nanoparticles supported on metal organic frameworks as heterogeneous catalysts and their applications in organic synthesis	03-05-2019
14.	Usha Kumari Verma	Prof. Kamal K Kapoor	Organocatalysed C-C, C-N and C-O bond formation reactions for the synthesis of N/O containing heterocyclic compounds as	03-05-2019

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			antimicrobial agents.	
15.	Amit Kumar Atri	Prof. D.S. Sambyal	Synthesis, structural and physical properties of some layered transition metal oxides	06-03-2019
16.	Dinesh Kumar	Dr. Ashwani kumar	Thermodynamic studies of some biomolecules in aqueous solutions of different ionic liquids at various temperatures	06-03-2019
17.	Dolma Tsering	Prof. Kamal K Kapoor	Synthesis of quinoxalino heterocyclic compounds and their biological evaluation	06-03-2019
18.	Jeetinder Singh(Part Time)	Prof. Meena Sharma	Thermodynamic and spectroscopic studies of aqueous solutions of surface active ionic liquid with antihistamine drugs/biomolecules.	06-03-2019
19.	Nargis Akhter Ashashi	Prof. H.N. Sheikh	Studies on synthesis, characterization and structure-property relationship of some lanthanide(III)-organic coordination networks	06-03-2019
20.	Qammer Majid	Dr. Ashwani Kumar	Studies on molecular interactions of some drugs in aqueous solutions of deep eutectic solvents by volumetric and viscometric methods	06-03-2019
21.	Richa Singhaal	Prof. H.N. Sheikh	Photoluminescent nanocomposites of some lanthanide fluorides and graphene: Synthesis, characterization and applications	06-03-2019
22.	Sumit Singh	Prof. D.S. Sambyal	Synthesis, structure and physical properties of some 3d metal containing nano and bulk ferrites	06-03-2019
23.	Tahira Firdoos	Prof. S.K. Pandey	Synthesis, structural elucidation and applications of substituted aromatic dithiophosphates of group 13 metals.	06-03-2019
24.	Ankush Bakshi(Part Time)	Prof. Meena Sharma	Excess acoustic and thermodynamic properties based molecular interactions of some non-aqueous binary liquid mixtures	18-07-2019
25.	Akshita Bandral(Part Time)	Dr. Ashwani Kumar	Physicochemical studies of some amino acids/dipeptide in aqueous solution of drugs	29-10-2019
26.	Charanjeet Sen	Prof. H.N. Sheikh	Development of some lanthanide based metal-organic coordination networks as chemical sensors	20-02-2020
27.	Lalita Devi	Prof. Kamal K. Kapoor	Synthesis of carbon dots for their applications in chemical/bio-sensing and construction of bioactive N/O containing heterocyclic compounds	20-02-2020
28.	Richu	Dr. Ashwani Kumar	Exploration of thermophysical properties of some water soluble vitamins in aqueous ionic liquid media	20-02-2020
29.	Surbhi Sharma	Prof. Satya Paul	Development of cellulose fibers supported nanometal catalysts and their application in organic transformations	20-02-2020

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30.	Ujwal Manhas	Prof. D.S. Sambyal	Synthesis and multifunctional properties of some mixed metal spinel ferrites	20-02-2020
31.	Chandani Sharma	Prof. Meena Sharma	Thermodynamic, acoustic and transport properties of binary mixtures of propellants/bio-based liquids with organic solvents	24-02-2020
32.	Mobina Kouser	Dr. Monika Gupta	Development of heterogeneous nanometal catalysts from some commercial/domestic waste materials and their applications in organic transformations	11-03-2020
33.	Swaita Devi	Prof. H.N. Sheikh	Synthesis of some lanthanide molybdates and tungstates doped with $\text{Sm}^{3+}$ , $\text{Eu}^{3+}$ , $\text{Tb}^{3+}$ and $\text{Dy}^{3+}$ ions: Photocatalytic and photoluminescent applications	26.07.2021
34.	Vrinda Sharma	Prof. Satya Paul	Development of core-shell based heterogeneous nano-metal catalysts and their applications in organic synthesis	26.07.2021
35.	Akanksha Manhas	Prof. Kamal K. Kapoor	Design and synthesis of some nitrogen containing compounds as sensing probes	26.07.2021
36.	Nipunn Sharma	Prof. S.K. Pandey	Synthesis and physico-chemical analysis of substituted diaryldithiophosphates with some lanthanides	26.07.2021
37.	Ankush Mahajan	Dr. Monika Gupta	Design and synthesis of polymer based nano-composites and their applications in organic transformations	21.10.2020
38.	Himani Singh	Dr. Ashwani Kumar	Thermophysical studies of some organic salts in aqueous ionic liquid solutions	04.08.2021
39.	Ushma Syal	Prof. Meena Sharma	Physico-chemical studies of anti-inflammatory drugs with aqueous solutions of ionic liquids	04.08.2021
40.	Gunjan Vaid	Prof. Satya Paul		
41.	Preteek Sharma	Prof. D.S. Sambyal		
42.	Surbhi Sharma	Prof. S.K. Pandey		

  
**Prof. Kamal K. Kapoor**  
 Head of the Department  
 Head  
 Department of Chemistry  
 University of Jammu