

**POST GRADUATE DEPARTMENT OF CHEMISTRY,  
UNIVERSITY OF JAMMU, JAMMU.**

**Research Projects (ongoing)**

S. No.	Name of the faculty member	Title of the project approved	Amount Sanctioned (Rs.)	Name of Funding Agency
1.	Prof. H.N. Sheikh	Development of Luminescent Lanthanide-Coordination Polymers/Metal organic Frameworks as Chemical Sensors	8.20 lakh	JKST&IC
2.	Dr. Ashwani Kumar	Temperature dependent physicochemical studies of citrates/tartrates in aqueous solutions of ionic liquids	7.30 lakh	JKST&IC
3.	Prof. D.S. Sambyal	Synthesis of photo-catalytically active nano-crystalline mixed oxides and their applications in the removal of organic dyes for environmental remedies	8.85 lakh	JKST&IC
4.	Prof. K.K. Kapoor	Synthesis of hybrid molecules based on styrylquinoxalinones, donepezil and other bio-active heterocyclic compounds as anti-Alzheimer agents	9.30 lakh	JKST&IC
5.	Prof. S.K. Pandey	New metal complexes with phosphor-I, I-dithiolate ligands; Synthesis, characterization and application	8.25 lakh	JKST&IC
6.	Prof. Satya Paul	Development of supported metal organic frameworks for removal of pollutants from waste water; and their applications in organic synthesis	8.90 lakh	JKST&IC
7.	Dr. Monika Gupta	Fabrication, characterization of modified grapheme based nanocatalysts and investigation of their catalytic potential in organic transformation	9.83 lakh	JKST&IC
8.	Prof. Sanjana Kaul and Prof. Kamal K. Kapoor	Prospecting fungal endophytes of selected ethnomedicinal plants for bioactive metabolites	49.86 lakh	DBT,GOI
9.	Prof. Kamal K Kapoor	Design, synthesis and biological applications of next generation cyanoimidazopyridine based fluorescent chemosensors	39.08 lakh	SERB-DST
10.	Dr. Ashwani Kumar	A comprehensive study on molecular interactions of some organic salts in aqueous solutions of ionic liquids at varying temperatures and compositions: Spectroscopic, thermodynamic and theoretical insights	38.62 lakh	SERB-DST
11.	Prof. K.K. Kapoor	Design and synthesis of quinoxalinoidspiropyrrolizine /pyrrolidine by [3+2] cycloaddition for anti-cancer evaluation	2.00 lakh	Research & Seed Grant, RUSA 2.0 Univ. of Jammu
12.	Prof. H.N. Sheikh	"Synthesis, characterization and application of functional Lanthanide-Metal-Organic Frameworks	2.00 lakh	Research & Seed Grant, RUSA 2.0 Univ. of Jammu
13.	Dr. Monika Gupta	Designing of recyclable titania based nanomaterials and their applications in synthesis of heterocycles	2.00 lakh	Research & Seed Grant, RUSA 2.0 Univ. of Jammu
14.	Dr. Ashwani Kumar	Volumeiric, acoustic and viscometric investigations of some protein model components in aqueous solutions of drugs at various temperatures	2.00 lakh	Research & Seed Grant, RUSA 2.0 Univ. of Jammu