

Research project

S. No	PI of the Project	Title of the Project	Funding Agency	Duration	Project Grant level (Major/Minor)
1.	Prof. P.N. Ram	Dynamical properties of point defects in metals	UGC	2002-2005	Major
2	Prof. P.N.Ram/ Dr. Sudhir Kumar	Electronic Structure of Oxide Superconductors	AICTE	1997-2000	Major
3.	Dr Sudhir Kumar	Electronic Structure of Solids	UGC	1997-1998	Minor
4.	Dr Sudhir Kumar	Ab-initio study of electronic and optical properties of selected II-VI and III-V semiconductors & its alloys: Pressure effects	DST	2005-2007	Major
5.	Dr Sudhir Kumar	Electronic, optical and structural properties of High pressure stable phase of selected III-V and II-VI compounds	UGC	2007-2010	Major
6.	Prof. Archana Gupta	Analytic Embedded Atom Method for HCP Metals	UGC 2000	1997-1998	Minor
7.	Prof. Archana Gupta	Vibrational Dynamics and spin state analysis of some biomolecules	UGC	2011-2014	Minor
8.	Prof. Sudhir Kumar	Electronic and Optical Properties of Chalcopyrite Compounds: An ab-initio study	DST	2009-2012	Major
9.	Prof. Sudhir Kumar	Electronic, optical of Nitride based semiconductors and their alloy: A first principle study	DRDO	2010-2013	Major

10.	Prof. Archana Gupta	Quantum Mechanical calculations on the molecular structure and spectroscopic of some biomolecules	UGC	2012-2015	Major
11.	Prof. Sudhir Kumar	Electronic and optical properties of transparent conducting oxides (TCO) and its alloys: An Ab-initio Study	SERB	2014-2017	Major
12.	Prof. Sudhir Kumar	Suitable two dimensional nano materials to detect toxic gases: An - ab-initio Study.	TEQUIP	2018-2021	Major