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Designation		Assistant Professor				
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EDUCATIONAL QUALIFICATIONS

Degree	Institution	Year
B.Sc.	University of Jammu	2014
M.Sc.	Banaras Hindu University	2016
Ph.D.	University of Jammu	2023
NET-JRF	UGC-CSIR	2016

AREAS OF INTEREST / SPECIALIZATION

Crystallography/ molecular-interaction/ crystal packing analysis

SUBJECT TAUGHT

Solid State Physics, Thermal Physics, Classical Mechanics.

PUBLICATIONS PROFILE

1. Integrated design and evaluation of a pyridazine-based SYK inhibitor: Synthesis, structural analysis, crystal engineering, DFT, MDs, and in vitro anticancer validation.
Fares Hezam Al-Ostoot, P. Akhileshwari, **Jigmat Stondus**, Vivek H. Kameshwar, Majed S. Aljohani, Hussam Y. Alharbi, Ata Makarem, Hussien A. Khameesi, Rajni Kant
***Journal of Molecular Liquids*, 439 (2025) 128790**
2. Crystallographic, DFT, lattice energy and Hirshfeld surface analysis of some CSD-based 6-Chloropurines
Jigmat Stondus and Rajni Kant*
***Chem. Phar. Res.* 2022, 4(2), 1-14**
3. DFT, lattice energy and Hirshfeld surface analysis of some 6-chloro-coumarin structures
Jigmat Stondus and Rajni Kant*
***Molecular Crystals and Liquid Crystals* (2022)**
4. Cambridge structure database analysis of molecular interactions energies in bromine-substituted coumarin structures
Jigmat Stondus and Rajni Kant*
***Rasayan J. Chem.*, 2022, 15(2), 991-1008**
5. A CSD analysis of some chlorinated quinolines
Jigmat Stondus, Sumati Anthal and Rajni Kant*
***Rasayan J. Chem.*, 2021, Special Issue 47-63**
6. Synthesis, spectroscopic and x-ray crystallographic analysis of N-(2-(2-(4-chlorophenoxy)acetamido)phenyl)-1H-indole-2-carboxamide
F. H. Al-Ostoot, **Jigmat Stondus**, Sumati Anthal, D. V. Geetha, Y. H. E. Mohammed, M.

A. Sridhar, S. A. Khanum and **Rajni Kant***

Eur. J. Chem., 2019, 10(3), 234-238

7. Polymorph of (*E*)-*N'*-(4-chlorobenzylidene)isonicotinohydrazide monohydrate
Jigmat Stondus, Sumati Anthal, A. Jayashree, B. Narayana, B. K. Sarojini and **Rajni Kant***
IUCrData, 2018, 3, x181634
8. 2,4-Dichloro-*N*-(2,5-dioxopyrrolidin-1-yl)benzamide
Jigmat Stondus, Sumati Anthal, S. Karanth, B. Narayana, B. K. Sarojini and **Rajni Kant***
IUCrData, 2018, 3, x18174