

Curriculum Vitae

Name: DR. UDAY DAS

Designation: Associate Professor

Highest qualification: Ph. D.

Contact details/ Office address: Dept. of Physics, Darjeeling Govt. College, Darjeeling.

Vidwan ID:

Email id: udaydas_ju@yahoo.co.in

Date of joining to this institution: 05.01.2026

Date of joining W.B.E.S.: 29.05.2009

Previous position(s) held:

1. Haldia Govt. College as Assistant Professor
2. Hooghly Mohsin College as Assistant & Associate Professor

Teaching experience in years & months: 17 Years and 1 Month

Awards, Recognition and Honours:

Courses taught: Solid State Physics, Classical Mechanics, Waves & Oscillation, and Modern Physics

Research area/ interest:

Number of Publications-

- *Peer reviewed journals: 09
- *Conference proceedings:
- *Chapters in books:

Detailed list of publications

1. Crystal structure and electronic properties of three phenylpropionic acid derivatives: A combined X-ray powder diffraction and quantum mechanical study. Uday Das, Basab Chattopadhyay, Monika Mukherjee, Alok K. Mukherjee; *Chemical Physics Letters*, 501 (2011) 351–357.

2. Structure Analysis of Molecular Compounds with $Z' = 2$ Using Laboratory X-ray Powder Diffraction Data: 3-Phenylpropionic Acid and Its Derivatives. Uday Das, Basab Chattopadhyay, Monika Mukherjee, Alok K. Mukherjee; *Cryst. Growth Des.* 12 (2011) 466–474.

3. Acemetacin polymorphs: a rare case of carboxylic acid catemer and dimer synthons. Palash Sanphui, Geetha Bolla, Uday Das, Alok K. Mukherjee and Ashwini Nangia; *CrystEngComm*, 15 (2013) 34–38.

4. Structural study of four benzyloxybenzoic acids and benzyloxyanilines using X-ray powder diffraction: interplay of strong and weak intermolecular interactions. Basab Chattopadhyay, Uday Das, Monika Mukherjee and Alok K. Mukherje. *CrystEngComm*, 15 (2013) 1077–1085.



5. Crystal structure and electronic properties of two benzyloxybenzaldehydes: A combined X-ray powder diffraction and quantum mechanical study. **Uday Das**, Basab Chattopadhyay, Monika Mukherjee, Alok K. Mukherjee; *Zeitschrift für Kristallographie*, 228 (2013) 583–589.
6. Conformational analysis of an acyclic tetrapeptide: *Ab-initio* structure determination from X-ray powder diffraction, Hirshfeld Surface analysis and electronic structure. **Uday Das**, Jishu Naskar and Alok K. Mukherjee; *Journal of Peptide Science*; 21 (2015) 845–852.
7. Two carbamate derivatives with $Z'=2$ and 3: An interplay of strong and weak hydrogen bonds. **Uday Das**, Basab Chattopadhyay, Dipak K. Hazra, Vommina V. Sureshbabu, and Alok K. Mukherjee; *Journal of Molecular Structure*; 1122 (2016) 290–298.
8. Methyl-2-methyl-2-(4-methyl-phenyl)sulfonamidopropanoate: Structural study, Supramolecular Architecture and Molecular Surface Electrostatic Potential. Paramita Chatterjee, Tanusi Dey, **Uday Das**, Vomina V. Sureshbabu and Alok K. Mukherjee; *Zeitschrift für Kristallographie*, 231(9) (2016) 541–548.
9. Structure determination from X-ray powder diffraction, DFT calculation, and Hirshfeld surface analysis of two fused bicyclic and tricyclic compounds. **Uday Das**, Tanusri Dey, Paramita Chatterjee, and Alok K. Mukherjee; *Powder Diffraction*, 32 (2017) 86-92.

Google Scholar link:

ResearchGate link:

ORCID ID:

Participation in Workshops/ Training programme/ Certificate course:

1. Participated in Orientation Programme at UGC-HRDC, Jadavpur University
2. Participated in Refresher Course (Disaster Management) at UGC-HRDC, Jadavpur University
3. Participated in Refresher Course (Instrumentation and Automation) at UGC-HRDC, Jadavpur University from 05.12.2019 to 21.12.2019
4. Participated in Refresher Course (Disaster Management) at UGC-HRDC, Jadavpur University from 05.12.2022 to 17.12.2022