

FACULTY PROFILE

1. Name of the Faculty Member: **Sri. Biswajit Chowdhury**
2. Designation with Category: **Assistant Professor (Substantive)**
3. Department: **Physics**
4. Educational and Professional Qualifications:



Name of the Institution	Name of the Affiliating Body	Degree/Diploma/Certificate Obtained	Specialization(if any)
Jadavpur University		M.Sc. in Physics	High Energy and Particle Physics
CSIR-UGC		NET	

5. Teaching Experience:

Name of the Institution	Position Held	From	To
Gokhale Memorial Girls' College	Faculty	01/04/2005	Till date

7. Areas of Interest (Intra-disciplinary and/or Inter-disciplinary):

- Thin film Solar Cell
- Chemical structures and Hirshfeld Surface Analysis of molecules
- Atmospheric Sciences

9. Research Publications:

- Impact of Metal Salts on Coordination Chemistry of Nickel(II) with a N_3O Donor Schiff Base Ligand: Synthesis, Structures and Hirshfeld Surface Analysis, Vol.65, No.10, pp.2014-2028, Journal of Structural Chemistry(13.06.2024)
- The First Structural Characterization of a $Ni(NCS)_4$ Bridged Homometallic Ni(II) Chain Derived from an N_3O Donor Schiff Base Ligand, Vol. 65, No. 8, pp. 1477-1487, Journal of Structural Chemistry(04.04.2024)
- Solvent-Induced Polymorphism in a Schiff Base Compound and Their Distinguishing Effects on Semiconducting Behaviors for Utilization in Photosensitive Schottky Devices, Vol. 24, pp. 4944–4954, Crystal Growth & Design(03.04.2024)
- Relaxation of the excited N-(2-hydroxy benzylidene) aniline molecule: An Ab initio and TD DFT study : J. Chem. Sci.122, 857 (2010)
- Solid phase crystallization of protocrystalline silicon films: Changes in structural and optical properties: Thin Solid Films, Volume 516, issue 8 (February 29, 2008), p. 2306-2313.

11. Other Academic/Official Responsibilities (At College/University Level or for Any Other Body of Higher Education):

Perform **Examination** duties such as **Head-Examiner, Coordinator, Paper Setter, Examiner, Scrutineer, Invigilator etc.** as per the assignments received from the **University of Calcutta** and the college. Also, a responsible member of some academic/administrative committees of the college, list is given below:

SPOC of Local Chapter(Id:091) for SWAYAM-NPTEL(since 2017)
Bursar (2024-2025, 2025-2026)
Member of IQAC (since 2024)
Member of RUSA 2.0 Project Monitoring Unit (since 2019)
Convenor of Provident Fund Committee
Member of Academic Sub-committee as HoD
Purchase Committee Member
Mentoring of students
Annual Exhibition Committee Member
Convenor/Organizer of Seminars/Workshops
Organizer of Students' Seminar
Cultural Committee Member
Sports Committee Member
Website Maintenance Committee Member

12. Awards/Recognitions/Fellowships/Memberships: **Member of Indian Physical Society**