

Department of Chemical Sciences (DCS)

IISER Kolkata

PhD Advertisement for Autumn 2026

Applications are invited from motivated candidates to pursue research in the broad fields of Chemical Sciences.

Minimum Eligibility Criteria: Applicants must satisfy one of the following:

(i) Master's degree with at least 55% (50% for the reserved category) aggregate marks in Chemistry or Physics or Mathematics or Biology.

(ii) 4-year BS with 75% (70% for the reserved category) aggregate marks with Chemistry as one of the subjects.

Final-year MSc/MS/BS students who have yet to obtain their degree may also apply; however, they must complete the MSc/MS/BS degree at the time of admission with the requisite aggregate marks.

The selection of candidates will be in accordance with the GoI norms. Candidates belonging to the respective reserved category must submit the relevant certificates and documents.

Selection Channels:

Self-funded: In addition to meeting the minimum eligibility criteria, candidates must have their own PhD fellowship, such as UGC-JRF/CSIR-JRF/NET-Category-1/any other equivalent fellowships.* The departmental Faculty profiles and Scientific Officers can be found at the URL (<https://www.dcsiiserkol.com/faculty> and <https://www.iiserkol.ac.in/web/en/people/faculty/dcs/#gsc.tab=0>).

Institute/Project Funded: Apart from satisfying the minimum eligibility criteria, candidates must have a valid rank in one of the following national-level exams: GATE/NET-LS/NET-Category-2/NET-Category-3/INSPIRE/Project-JRF/others. Institute/Project-funded positions are available in the following areas/topics and **ONLY**** with the following faculties/research groups (**one position per faculty**):

Faculty Name	Research Area	Webpage
Prof. Amlan Kusum Roy	Electronic structure theory, Density functional theory, Information theory in chemistry, Confined quantum systems.	https://www.iiserkol.ac.in/~theochem/index.html
Prof. Debasish Halder	Supramolecular Bioorganic Chemistry.	https://www.iiserkol.ac.in/~deba_h76/
Prof. Ashwani Kumar Tiwari (Project JRF)	Theoretical Reaction Dynamics, Quantum Chemistry, Laser Control of Chemical Reactions, Study of Gas-Surfaces Reactions, Study of Heterogeneous Catalysis.	https://www.iiserkol.ac.in/~ashwani/index.html

Prof. Priyadarshi De (Project JRF)	Polymer Chemistry.	https://www.iiserkol.ac.in/~p_de/
Prof. Devarajulu Sureshkumar	Photoredox catalysis.	http://www.iiserkol.ac.in/~suresh/

*Please note that fulfilling the minimum essential criteria does not ensure that a candidate will be called for the interview. Additional short-listing criteria may be set by the Department based on candidates' academic records, experience, and research interests.

**For institute/project-funded selection mode: The research interest of the candidate must be aligned with the research areas/topics of the available positions (see the above table).

Interview Window: May 29 to June 19, 2026.

Mode of Interview: The mode of the interview will be 'Offline'.

Additional benefits of the PhD program at DCS, IISER Kolkata:

- A PhD student may be sponsored to attend an international conference abroad, subject to the availability of the institute's funds.
- State-of-the-art instrument facility; medical and counselling facility; 24*7 internet, electricity, library facility; student-monitored mess and private food courts; Cricket, Football, and Athletic Grounds; Gymkhana.
- Tennis /Table Tennis/Volleyball/Badminton/Basketball courts; Swimming pool, R. N. Tagore auditorium for academic and cultural events.