

Doctor of Philosophy Programme (PhD)
Department of Chemical Sciences

Advertisement for Spring Semester 2026
Under the **Institute Fellowship Fellowship** Scheme

Minimum Eligibility Criteria: Applications are invited for the Doctor of Philosophy (PhD) program in Chemistry from candidates having either

(i) 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in Chemistry or Physics or Mathematics or Biology. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently Abled/Economically Weaker Section (EWS) and other categories of candidates as per UGC norms.

Or (ii) Candidates seeking admission after a 4-year/8-semester bachelor's degree programme should have a minimum of 75% marks in aggregate (with Chemistry as one of the subjects) or its equivalent grade on a point scale wherever the grading system is followed. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently Abled/Economically Weaker Section (EWS) and other categories of candidates as per UGC norms.

Final year MS / BS students who are 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.

Apart from satisfying minimal eligibility criteria, all candidates must have a valid rank in one of the national-level exams: GATE/CSIR-UGC-NET LS/ Joint CSIR-UGC NET for 'appointment as Assistant Professor and admission to Ph.D.'/ 'admission to Ph.D. only'/ other equivalent National Eligibility Exam. Inspire Fellowship with a provisional offer letter may also apply.

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

SC/ST/OBC/EWS/DIVYANG candidates are applicable as per the Government of India rules.

Interview Window: October 29 to November 10, 2025.

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

Important Note

Positions are available in the following areas/topics and **ONLY** with the following faculties/research groups (**03 positions, one per faculty**):

Faculty Name	Research Area	Webpage
Prof. Pradipta Purkayastha	Conversion of 3D lead halide Perovskite to low-dimensional variants by controlled addition of ligand-assisted Ruthenium complexes and study of ground and excited state electron transfer in them.	https://sites.google.com/view/pradiptapurkayastha-nsp/home/
Prof. Suman De Sarkar	Establish synthetic methodologies by carrying out redox transformations through electro- and photocatalysis.	https://www.redoxlab.in/
Prof. Subhajit Bandyopadhyay	Organic Chemistry, photochemistry, and organocatalysis.	https://www.iiserkol.ac.in/~light/

Candidates with CSIR/UGC-NET JRF should **NOT** apply under this category. They should apply through '**Detailed PhD advertisement under JRF**'.

Additional benefits of the PhD program at DCS:

- Every PhD student will be sponsored to attend an international conference abroad based on 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.