

**Doctor of Philosophy Programme (Ph.D.)
Department of Chemical Sciences**

Ph.D. Advertisement for Autumn Semester 2024
Under the **Institute Fellowship** Scheme

The Department of Chemical Sciences (DCS) at IISER Kolkata invites applications for regular Ph.D. programme in the **Autumn** semester, 2024 in the disciplines of Inorganic, Organic, Physical, and Theoretical chemistry.

Minimum Eligibility Criteria: Bright and motivated candidates who have passed M.Sc. examination with minimum 55% marks in any field of Chemistry or Physics or Mathematics. In addition, the candidates must have valid **GATE** Score Card, CSIR/UGC-NET **LS** or other Equivalent National Eligibility Exam.

*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 academic records, experience and research interest of the candidates.

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

Interview Date: **May 28, 2024 (Tuesday)**

Reporting time at LHC on both days: **9:30 AM**
[LHC = Lecture Hall Complex, IISER Kolkata]

Mode of Interviews: The mode of interview will be '**Off-line**.'

Please note the following:

The Institute Fellowships are **ONLY** available with a selected number of faculty members that are provided as additional information.

Candidates with CSIR/UGC-NET JRF, INSPIRE fellowship or other Equivalent Fellowships should **NOT** apply under this category.

ADDITIONAL INFORMATION

Please see below details of faculty members under whom the Institute Fellowship is available.

Inorganic Chemistry:

Faculty Name	Research Area	Webpage	Position
Arindam Mukherjee	Fluorescent proteins sensors synthesis, Metal complexes in medicinal chemistry; Mechanism of protein inhibition, Sensing	www.arindammukherjee.weebly.com	01
Sayam Sen Gupta	Inorganic Chemistry or Organic Chemistry with interest in Catalysis	https://bicamlab.wixsite.com/ssg-lab	01*
Swadhin Mandal	Development of Catalyst in the Activation of Greenhouse Gas Molecules	http://swadhin-mandal.weebly.com/	01*

*Students specialization from any subdiscipline (Organic/Inorganic/General Chemistry)

Organic Chemistry:

Faculty Name	Research Area	Webpage	Position
Dibyendu Das	Synthetic Organic Chemistry, Supramolecular Chemistry, Systems Chemistry	www.ddaslab.com	01**
Pradip Kumar Tarafdar	Synthetic Organic Chemistry, Supramolecular Chemistry, Chemical Biology	Home MEMFACE (iiserkol.ac.in)	01
Raja Shunmugam	Polymer Chemistry, Controlled/living Polymerization	https://www.iiserkol.ac.in/~sraja/rajashunmugam.weebly.com/index.html	02***

**Students specialization from any subdiscipline (Organic/Inorganic/Physical Chemistry)

***Funding from DBT (BT/PR45521/NNT/28/1821/2022) for 3 years & Textile Mission (No. 2/3/2021/NTTM) for 3 years.

Physical Chemistry:

Faculty Name	Research Area	Webpage	Position
Prasun K. Mandal	Single molecule spectroscopy and ultrafast dynamics of nanomaterials, Quantum Dots, and Perovskites	https://www.iiserkol.ac.in/~prasunchem/	01**

**Students specialization from any subdiscipline (Organic/Inorganic/Physical Chemistry)

Theoretical Chemistry:

Faculty Name	Research Area	Webpage	Position
Amlan K. Roy	Density functional theory, electronic structure theory, Quantum information theory, Quantum confinement	https://www.iiserkol.ac.in/~theochem/	01