

# PhD Program in Chemistry

Last date of application is Jan. 15, 2018



## Come, Live and Explore Chemistry@IIT Indore

**Interested in doing exciting Chemistry!** We invite you all to explore and live exciting Chemistry to understand and contribute in solving global issues on **Energy**, **Water** and **Environment**.

Discipline of Chemistry at IIT Indore offers Doctor of Philosophy (PhD) degree in Chemistry, where students require completion of one or two semesters of course work and a thesis defense on original research performed under the direct supervision of at least one faculty member from the Discipline of Chemistry. Students enrolled in PhD program usually allotted the thesis advisor temporarily during the time of admission to the PhD program depending upon their research interests, and confirmed after the completion of the course work (typically of two semester).

Discipline of Chemistry offers a variety of research areas in chemistry which includes **organic synthesis**, **asymmetric synthesis**, **organic electronics**, **supramolecular chemistry**, **natural product chemistry**, **bioorganic chemistry**, **polymers**, **biomimetic materials**, **bio-inorganic chemistry**, **catalysis**, **transition metal chemistry**, **organometallic**, **nanoscience**, **self-assemblies**, **fluorescence spectroscopy**, **single molecule fluorescence imaging**, **computational and theoretical chemistry**, and many more.

We have very well equipped research facilities and laboratories, along with a **Sophisticated Instrument Center** (SIC - state-of-the-art instrumentation facility). For more details please visit <http://iiti.ac.in/sic/>

Applicants are encouraged to contact the interested faculty members to gain for more information about their research areas and/or visit <http://chemistry.iiti.ac.in/faculty.htm> for detailed profile of individual faculty members of the Discipline of Chemistry

### Physical Chemistry

Dr. Anjan Chakraborty ([anjanc@iiti.ac.in](mailto:anjanc@iiti.ac.in))  
Dr. Tridib Kumar Sarma ([tridib@iiti.ac.in](mailto:tridib@iiti.ac.in))  
Dr. Tushar Kanti Mukherjee ([tusharm@iiti.ac.in](mailto:tusharm@iiti.ac.in))

### Inorganic Chemistry

Dr. Amrendra Kumar Singh ([aks@iiti.ac.in](mailto:aks@iiti.ac.in))  
Dr. Shaikh M. Mobin ([xray@iiti.ac.in](mailto:xray@iiti.ac.in))  
Dr. Suman Mukhopadhyay ([suman@iiti.ac.in](mailto:suman@iiti.ac.in))  
Dr. Sanjay K. Singh ([sksingh@iiti.ac.in](mailto:sksingh@iiti.ac.in))

### Organic Chemistry

Dr. Apurba Kumar Das ([apurba.das@iiti.ac.in](mailto:apurba.das@iiti.ac.in))  
Dr. Chelvam Venkatesh ([cvenkat@iiti.ac.in](mailto:cvenkat@iiti.ac.in))  
Dr. Rajneesh Misra ([rajneeshmisra@iiti.ac.in](mailto:rajneeshmisra@iiti.ac.in))  
Dr. Sampak Samanta ([sampaks@iiti.ac.in](mailto:sampaks@iiti.ac.in))

### Theory/Computational

Dr. Biswarup Pathak ([biswarup@iiti.ac.in](mailto:biswarup@iiti.ac.in))  
Dr. Satya S. Bulusu ([sbulusu@iiti.ac.in](mailto:sbulusu@iiti.ac.in))

## Admission Requirements

The candidate must satisfy any one of the following criteria.

- Minimum first class Master degree in Chemistry or relevant subject with valid UGC/CSIR-JRF/GATE or Equivalent Fellowship, **OR**
- Minimum first class M. Tech/M. Phil degree in relevant discipline, **OR**
- Minimum first class Bachelor degree in the relevant Engineering/ Technology discipline with a **valid GATE score OR**
- B.Tech from an Indian Institute of Technology (IIT) with a minimum CPI of 8.0.

For more details regarding the admission process please visit <http://academic.iiti.ac.in/phdadvt.php>.

## Application Procedure

- Candidates must apply **ONLINE** through our website (<http://academic.iiti.ac.in:8080/nregistration.jsp>). This will generate a unique application number for each applicant.
- After submitting the application online, the same is to be downloaded and the signed hard-copy along with Demand Draft/online payment receipt, recent photograph, Self-attested relevant Certificates, must be sent to the “**DPGC Convener, Discipline of Chemistry, Indian Institute of Technology Indore, Khandwa Road, Simrol, Indore 453552, India**”
- The candidate **MUST** write his/her name, name of the discipline and the Application Number on the reverse side of the Demand Draft.
- The envelope of the application must **CLEARLY** mention "**APPLICATION for ADMISSION in PhD Program in CHEMISTRY for Autumn Semester of AY 2017-18**".
- The shortlisted candidates must arrange recommendation letters from at least two referees with whom the candidate has had academic interaction for at least a year. Candidates should request the referees to send recommendation letters to [phdchemapplications@iiti.ac.in](mailto:phdchemapplications@iiti.ac.in)

## Financial Support

**FA (Fellowship Awardee):** Fellowship Awardees from the agencies such as CSIR, UGC, NBHM, etc. OR JRF/SRF project staff working in a Sponsored Research Project under a faculty member PI of the project of IIT Indore. The scholarship will as per the rules/guidelines of the concerned funding agency.

**TA (Teaching Assistantship):** Teaching Assistantship with scholarship as per MHRD guidelines.

## Accommodation



IIT Indore is a residential campus, where most of our students are staying inside the campus. Institute is committed to provide all the basic infrastructure facilities to support our research students/staff to excel best output. Campus Hall of Residence, studio apartments, and several eating outlets are available to students. For more details please visit: [Hall of Residence \(http://iiti.ac.in/Hall%20of%20residence/\)](http://iiti.ac.in/Hall%20of%20residence/). For those who prefer to live off campus, there are several rentals available in the neighboring area of Simrol town and in the Indore City. It is very common for groups of students to share a house, who opt to stay off the campus.