

School of Natural Sciences
Department of Chemistry
Ph.D. Admissions Announcement: 2017-18

The Department of Chemistry in the School of Natural Sciences at Shiv Nadar University invites applications for admission in the Ph.D. program starting August 2017.

Active Research Areas in the department:

- Catalysis
- Chemical biology
- Cheminformatics
- Chemistry of nanomaterials
- Computational quantum chemistry
- Coordination Chemistry
- Green chemistry
- Medicinal chemistry
- Molecular Toxicology
- Polymer chemistry
- Structural Chemistry and Crystallography
- Supramolecular Chemistry
- Synthetic Organic Chemistry

More detailed descriptions of research interests of our faculty members can be found at http://www.snu.edu.in/naturalsciences/natural_sciences_departments_chemistry_faculty.aspx.

Many of our research projects are interdisciplinary in nature, involving collaborations across multiple departments in the School of Natural Sciences, as well as other schools and research centers of the university. Dedicated research centers – Big Data Analytics Center, Center for Informatics, Institute for Innovations & Inventions with Mathematics & IT, and others – provide additional support for interdisciplinary research.

Eligibility: A candidate should have a Master's degree in Natural Sciences or M. Tech in relevant areas, with a minimum of 55% marks or an equivalent grade point.

Selection Process: Short-listed candidates will be required to appear for an on-site written test and interview, to be held in first week of July, 2017. Candidates who have qualified for CSIR-UGC NET-JRF & DBT-JRF will directly appear for the onsite interview. The final selection will be based on the written test and/or interview.

Admission is sought for a maximum of 15 seats in the department. Please note that the University reserves the right to admit lower number of students if suitable candidates, according to the admission committee, are not found.

Application Fees: You will be required to pay a non-refundable application fees of Rs. 1,200 (One Thousand Two Hundred Only) by credit/debit card or Demand Draft drawn in favor of **Shiv Nadar University** payable at **NOIDA**. Candidate may note that the University reserves the right to accept or reject any application based on its departmental screening criteria, hence all application may not be shortlisted for written examination. Therefore, no requests for refund of the application fee shall be entertained whether or not the candidates are called for written examination.

Application Instructions:

All interested applicant shall apply online from the link given below or on the website. Please follow the instructions carefully.

- Fill all the mandatory fields
- **Online upload** of following document is required
 - Passport size color photograph
 - Current CV
 - All Mark sheets/Degree Certificates (10th Standard onwards)
 - Standardized Examination certificate- CSIR, UGC, GATE etc. (If applicable)
 - **A Statement of Purpose**
- **The application fee can be paid online or a Demand Draft can be sent to University.**
- After online submission, print the completed form and send by speed post to the University at the address given below with following document (You may add additional documents if required)
 - Completed form
 - At least one reference letter in support of application
 - Demand Draft for application fee (If online fee payment mode is not used)

Please note that the application is not deemed complete until we receive all the necessary prescribed documents and application fees.

Supporting documents may be sent by Speed Post to:

Ms. Saritha Rajan

EA to the HoD

Department of Chemistry

Shiv Nadar University P.O.

NH-91, Tehsil Dadri

District Gautam Buddha Nagar, UP 201314, India.

Email: saritha.rajan@snu.edu.in

Telephone: +91 120 3819118

Applications complete in all respects should reach the above office by **Thursday, June 15, 2017, 5 p.m.**

Admission Fees & Assistantship:

Annexure 3E: Fees Structure for All Doctoral Programs offered by all Schools

Fees Structure 2017 – 21 (in ₹)

Item	Year 1	Year 2	Year 3	Year 4	Full Program
(1) One time charges					
Admission Fee (Non-refundable)	₹ 24,000				₹ 24,000
Security Deposit (Refundable)	₹ 75,000				₹ 75,000
(2) Recurring Charges					
Tuition Fee	₹ 1,00,000	₹ 1,00,000	₹ 1,00,000	₹ 1,00,000	₹ 4,00,000
Hostel Fee (Single)	₹ 1,20,000	₹ 1,20,000	₹ 1,20,000	₹ 1,20,000	₹ 4,80,000
Medical Insurance (approx.)	₹ 3,204	₹ 3,204	₹ 3,204	₹ 3,204	₹ 12,816
(3) Total Charges (1)+(2)	₹ 3,22,204	₹ 2,23,204	₹ 2,23,204	₹ 2,23,204	₹ 9,91,816
(4) Financial Assistance					
Tuition Fee Waiver 90%	₹ 90,000	₹ 90,000	₹ 90,000	₹ 90,000	₹ 3,60,000
Hostel Fee Waiver - 70%	₹ 84,000	₹ 84,000	₹ 84,000	₹ 84,000	₹ 3,36,000
(5) Net Payable (3)-(4)	₹ 1,48,204	₹ 49,204	₹ 49,204	₹ 49,204	₹ 2,95,816
Cost Excl. Security Deposit					₹ 2,20,816
(6) Teaching/Research assistantship of ₹35,000 per month (max 48 months)	₹ 4,20,000	₹ 4,20,000	₹ 4,20,000	₹ 4,20,000	₹ 16,80,000

Note:

- Medical Insurance is compulsory for all Ph.D. Students. Premium for Medical Insurance may change as per the prevailing rate offered by the insurance service provider.
- Waivers
 - Waivers for tuition and hostel fee is for 8 semesters only. Beyond 8th semester, the student has to pay the hostel charges and tuition fee in full.
 - The Department reserves the right to reduce the waiver based on the academic credentials of the applicant.
- Continuation of financial assistance is subject to satisfactory performance evaluated continuously, and compliance with all University regulations. The student is required to maintain a minimum CGPA of 7.00.
- The Assistantship is assured for a maximum of 48 months only and cannot be combined with any other fellowship or stipend.
- All charges are payable at the beginning of the Academic Year as per schedule announced separately.
- Mess and Laundry Charges: In addition to above mentioned charges, every Ph.D. student has to pay ₹ 450 per month for laundry. The mess charges approximate at about ₹ 4,300 per month. Student has the option of joining either of two messes.
- Security deposit is refunded on Graduation after deduction of any recoveries.

About SNU

Shiv Nadar University (<http://snu.edu.in/>) is a multi-disciplinary research university, established by the Shiv Nadar Foundation in 2011 through an act of the State of Uttar Pradesh, India. It is built on a spacious 256 acres fully-residential campus, near Greater Noida, U.P., at the outskirts of Delhi. The University is driven by its distinguished faculty in natural sciences, humanities and social sciences, engineering, management & entrepreneurship, communication, education, art and design. The Ph.D. program at SNU is full-time and completely residential.

Research Infrastructure

Laboratories in the School of Natural Sciences (SNS) have recently moved in to two new buildings equipped with state of the art research facilities including fume hoods, HPLC, FPLC, LCMS-qToF, UV-visible and FT Infrared spectrophotometers, 400 MHz NMR, single crystal and powder XRD, flash chromatography system, fluorimeter, ball-milling, I-V measurement system, thermal evaporator, glove box, microwave furnace, polarization loop-tracer, bio-safety cabinets (for mammalian, bacterial and plasmodium cultures), CO₂ Incubators, shaker incubators, flow cytometry, inverted microscope, electrophoresis apparatus, imaging systems, plate reader, cell counter, fluorescent microscope, electroporator, PCR, RT-PCR, *etc.*

Computational facilities at SNS include a high performance IBM cluster (“*Magus*”) consisting of 63 compute nodes (1008 cores +2 nodes with GPU processors) with a theoretical peak performance of 30 TF, plus 8 nodes with high-end CPUs and memory for application-specific needs. Additionally, several Linux workstations are used for teaching as well as research purposes. Software for bioinformatics and cheminformatics, molecular modeling, molecular dynamics, quantum chemistry, crystallographic analysis, data analysis and statistical learning are also available.

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