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 2016.

Broad Research Areas Available:

- 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 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.

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 Dadri, 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) are equipped with basic research facilities including fume hoods fitted with Schlenk lines, HPLC, LCMS-qToF, UV-visible and FT Infrared spectrophotometers, 400 MHz NMR, single crystal and powder XRD, flash chromatography, 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, 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.

Eligibility: A candidate should (or expect to receive by July 2016) have a Master’s degree in Chemistry or a related discipline, with a minimum of 60% marks or an equivalent grade point. Candidates who have qualified for CSIR-UGC NET-JRF, DBT-JRF, GATE-JRF, JEST, or ICMR-JRF are strongly preferred.

Selection Process: The eligibility criteria mentioned above are minimum standards and applications not meeting the same will be summarily rejected. Short-listed candidates will be required to demonstrate their knowledge through an on-site written test and interview, to be held in May 2016. Selections will be based on past academic performance, written examination and/or interview. Please note that not all candidate meeting the minimum eligibility criteria may be shortlisted.

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.

Ref: PhD-CHY-2016 (for August Intake)
Program Fees and Assistantships:

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<td>SNU fellowship ₹35k/35000/Month for max 48 months</td>
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1. SNU fellowship is assured for 48 months only.
2. Continuation of Financial Assistance is contingent on student maintaining good academic standards and satisfactory progress towards completion of the Degree.
3. Successful candidates entering the program will pay a **one-time admission fee of INR 22,500** and a **refundable security deposit of INR 50000**.

**Application Instructions:**
All interested applicants shall apply online from the link given below or on the website. Please follow the instructions carefully.

- Fill all the mandatory fields (Red starred entries)
- Please mention one of the broader research area you are interested in (From Above) in research interest section.

- **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.

*Ref: PhD-CHY-2016 (for August Intake)*
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)
  o Completed form
  o At least one reference letter in support of application
  o 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.

Applications complete in all respects should reach the above office by **Friday, May 13, 2016, 5 p.m.**