SHIV NADAR UNIVERSITY

Delhi-NCR

School of Natural Sciences

Department of Life Sciences

Ph.D. Admissions Announcement: Monsoon 2021

The Department of Life Sciences in the School of Natural Sciences at Shiv Nadar University, Delhi-NCR invites applications for admission in the Ph.D. program for the coming semester (**Aug 2021**). Candidates admitted for full time PhD program will receive a stipend from the University as given below, subject to satisfactory performance in the assessment. Candidates with their fellowships through CSIR-UGC NET-JRF & DBT-JRF, etc., are encouraged to apply.

Research in the Department of Life Sciences is multifaceted with major focus in the areas of
- Cancer Biology
- Cell Signaling
- Epigenetics
- Neuroscience
- Genomics
- Parasitology
- Virology
- Bioinformatics
- Plant Biology
- Bacterial Morphogenesis and Biofilms
- Protein Folding and Stress Response
- Precision NeuroOncology & NeuroVascular Disease Modeling
- Chromatin remodeling factors and nuclear receptor signaling
- Protein Structure Biology

Many of our research projects are interdisciplinary in nature, involving collaborations with other departments/schools/centres of the University. Detailed descriptions of research areas of each faculty member can be found at https://lsci.snu.edu.in/.

- In the current semester PhD positions available in the areas of **"Precision NeuroOncology & NeuroVascular Disease Modeling , Stress response and mitochondrial health, plant genomics (Bioinformatics), plant molecular biology, Cancer Biology, Discovery of Biomarkers in Neurological diseases, and Epigenetics & Human diseases"** while **candidates with their fellowships through CSIR-UGC NET-JRF & DBT-JRF etc. may join any of the research areas** based on availability of seats as per UGC criteria. Ph.D. positions under government funded projects are also available in "**Bacterial**

Morphogenesis and Biofilms, Virology and Protein Structure Biology". University has right to increase or decrease the number of seats at any time.

After the online submission, a copy of the completed form should be sent by **email** to anil.shukla@snu.edu.in .The subject heading of email should clearly mention, "**Application for PhD program of Life Sciences**". Additionally, you are requested to provide one reference letter to support your candidature at the time of interview.

Selection Process

Shortlisted candidates will be intimated for appearing in written test and interview on the dates mentioned below, which will be conducted at Shiv Nadar University, Delhi-NCR (SNU) campus in Gautam Buddha Nagar District (near Greater Noida), U.P. **While tentative dates are given, any changes to the dates of the written test and interview will be communicated in due course. Online examination is also a possibility, and candidates will be informed in advance about the platform for conducting the exam. Candidates with CSIR-UGC NET-JRF & DBT-JRF, etc., fellowships will directly appear for the online/onsite interview.**

Important Dates

Last date for form submission: June 14th 2021
Examination and Interview Date: July 1,2 and 3 (Tentative) Any changes in dates of written test and interview will be notified in the due course.

The session starts from Monday, 2 August 2021.

Eligibility

A candidate should have a Master's degree in any areas of Life Sciences or M. Tech in relevant areas, with a minimum of 60% marks or an equivalent grade point.

Application Instructions:

All interested applicants should apply online by clicking the "**Apply Now**" button given at the bottom of this page. Please follow the instructions carefully.
• Fill all the mandatory fields
• **Upload** the following documents online:
  ▪ Passport size color photograph
  ▪ Current CV
  ▪ All Mark sheets/Degree Certificates (Bachelors and Masters)
  ▪ Standardized Examination Certificate- CSIR, UGC, GATE etc. (if applicable)
  ▪ A Statement of Purpose

After the online submission, a copy of the completed application form should be sent by **email** to anil.shukla@snu.edu.in

Please make provision for at least *one reference letter* in support of your application. The reference letter can also be sent to the same email address.

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. Candidate may note that the University reserves the right to accept or reject any application based on its departmental screening criteria; hence not all application may 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.

Note: If the written test/interview are held on campus, the University will provide local transport, shared accommodation at the campus hostel, if required, and food coupon on the day of written test/interview. Additionally, for the shortlisted candidates, a return train fare, equivalent to third-AC, will be reimbursed against their original tickets.

Fees and Assistantship

Detailed information about the fee structure and the nature of assistantships are available on the website.

All full-time Ph.D. students admitted into the program shall receive a doctoral research and teaching assistantship consisting of 100% tuition-fee waiver and 70% hostel-fee waiver. The student shall also receive a monthly stipend of **₹50,000 for the first two years, and ₹55,000 for the next two years** subject to bench-marked performance. The assistantship is subject to satisfactory performance in the program evaluated continuously and compliance with all University regulations.

For any queries related to the application and admission, you may contact:

Mr. Anil Kumar Shukla, *Administrative Assistant*, Department of Life Sciences.
Email: anil.shukla@snu.edu.in Telephone: 0120-7170100 Extn: 654

Please note that the application will not be considered without all the necessary prescribed documents and application fee. For any queries related to the application and admission, you may write to the ID given above

About Life Sciences Department:
Many of our research projects are interdisciplinary in nature, involving collaborations across the globe, detailed descriptions of research interests of our faculty and other information is provided on https://lsci.snu.edu.in ; https://lsci.snu.edu.in/research/laboratories

Research Infrastructure: The laboratories of the Dept. of Life Sciences and school of Natural Sciences are well equipped with state-of-the-art research facilities and equipment including FACS ARIA III, Confocal Laser Scanning Microscope, Real-Time PCR (ABI), Advanced Fluorescence Microscope, Culture facilities (BSL-2) for Mammalian cells, Parasites and Viruses, and central instrumentation facility comprising LC-MS, XRD, AFM, Raman spectrometer, Luminometer etc. Computational facilities at SNS include a high performance IBM cluster ("*Magus*") consisting of 32 compute nodes (plus two nodes with GPU processors) delivering 332.8 Giga flops by each node

and a theoretical peak performance of 10.649 TF from overall compute nodes. Additionally, there are several stand-alone Linux workstations that are being used for teaching and research purposes. Several software for Bioinformatics and Cheminformatics analyses are also available.

About Shiv Nadar University, Delhi-NCR

Shiv Nadar University, Delhi-NCR is a comprehensive, multidisciplinary, research-focused and student-centric institution that is bringing a paradigm shift in higher education in India through its innovative curriculum, interdisciplinary focus, and cross-disciplinary thinking across a wide range of disciplines. The University is building an eco-system of knowledge to promote recognition of the inter-connectedness of ideas, systems, and environments in the world inside the campus, and those outside it.

The University has been selected as one of the 10 private "Institutions of Eminence" by the Government. In the NIRF (Government's National Institutional Ranking Framework), SNU has been the youngest institution in the 'top 100' Overall list, and our score has been rising steadily. In NIRF-2020, SNU ranked 56 in the 'University' category. We are also among a select group of green-field institutions in the country which were awarded the prestigious Atal Incubation Center grant by the Niti Aayog, Government of India, in the very first round in 2017.

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