



School of Natural Sciences

Department of Life Sciences

Ph.D. Admissions Announcement: Monsoon 2022

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 2022**). Candidates admitted for full time Ph.D. 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
- Chromatin remodeling factors and nuclear receptor signaling
- Protein Structure Biology
- Ecology & Evolutionary Biology
- Evolutionary Developmental Biology
- Regeneration 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 Ph.D. positions available in the areas of **“Stress response and mitochondrial health, Cancer Cell Signaling, Bioinformatics, Virology, plant molecular biology, antimicrobials and biofilms, Ecology & Evolutionary Biology, Regeneration Biology,**

Neurobiology, Epigenetics, and Developmental biology”, 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 “Virology”. 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 in Life Sciences & Bioinformatics**”. 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 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. In case of online examination, the candidates will be informed in advance about the platform for conducting the exam. Candidates with CSIR-UGC NET-JRF & DBT-JRF, etc., fellowships are eligible for direct interview.**

Important Dates

Last date for form submission: June 30th 2022

Examination Date: July 7th, 2022 (Online mode)

Interview Date: July 20th – 22nd (Tentative) Any changes in dates of written test and interview will be notified in the due course.

The Registration starts from 12 August 2022

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 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: For the shortlisted candidates the interview will be held on campus, the University will provide local transport from Pari Chowk, Greater Noida, to Shiv Nadar University Campus. The limited number of shared accommodations (on a payment basis) at the campus hostel will be available. Additionally, for the shortlisted candidates, a return train fare, equivalent to third-AC, will be reimbursed against their original tickets.

Fees and Assistantship

Fees and Financial Assistance: 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 award (teaching and research assistantship) consisting of tuition-fee waiver (as per department) and a monthly stipend of **₹40,000 for the first two years**, and **₹45,000 for the next three years**, subject to benchmarked performance. The continuation of the award is subject to satisfactory performance in the program evaluated continuously and compliance with all University regulations. Support will be available for deserving Ph.D. students to disseminate their work through conferences and publications. Please note that students with CSIR, UGC, INSPIRE, ICMR fellowships shall receive 100% tuition fee waiver.

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 Flow cytometer and sorter, Confocal Laser Scanning Microscope, Real-Time PCR, Advanced Fluorescence Microscopes, Culture facilities (BSL-2) for Mammalian cells, Parasites and Viruses, BSL-3 laboratory, and a central instrumentation facility comprising LC-MS, XRD, AFM, MST, Raman spectrometer, Luminometer, genome sequencer etc. A state-of-the-art SPF animal facility is also being built and will be commissioned by October 2022. Computational facilities include a high-performance IBM cluster (“*Magus*”) consisting of 63 compute nodes (1008 cores) with a total capacity of 30 TF of Theoretical Peak Performance, plus 8 nodes with high-end CPUs. Additionally, there are several stand-alone Linux workstations that are being used for teaching and research purposes. Several softwares 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 5 Schools, 24 Departments and 8 Research Centers engaged in teaching, practice, and research in disciplines as diverse as Engineering, Humanities & Social Sciences, Management, Natural Sciences, Art, Design, Performing Arts, Communication, and Extended Education & Professional Development. The Schools offer Bachelor, Masters, and Doctoral degrees along with multidisciplinary curriculum to enable students to explore subjects and disciplines that may be widely different from their chosen Majors.

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), Shiv Nadar University has been the youngest institution in the ‘top 100’ Overall list, and our score has been rising steadily. In NIRF-2021, 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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