

# SHIV NADAR UNIVERSITY

## School of Natural Sciences

### Ph.D. Admission Announcement: 2019-2020, Monsoon (August) 2019

#### Department of Life Sciences

The Department of Life Sciences in the School of Natural Sciences at Shiv Nadar University invites applications for admission in the Ph.D. program for the coming semester (**August 2019**). Candidates admitted for full time PhD program will receive a stipend of **Rs. 50,000/- (fifty thousand rupees)** per month for the first two years and **Rs. 55,000/- (fifty five thousand rupees)** for the next two years. 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
- Bacterial Morphogenesis and Biofilms
- Neuroscience
- NGS Technologies
- Parasitology
- Protein Folding and Stress Response
- Vascular Biology
- Virology
- Bioinformatics
- Plant Sciences
- Brain metastasis and Neurovascular disease modeling
- Chromatin remodeling factors and nuclear receptor signaling

However, in this semester, admissions will be considered primarily for the research areas of **“Bioinformatics, Virology, Epigenetics and Cancer Biology, Protein Biochemistry, Plant epigenomics and developmental biology”**

After the online submission, a copy of the completed form should be sent by **email** to [dlsphd2019@snu.edu.in](mailto:dlsphd2019@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.

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 our faculty members can be found at <https://lsci.snu.edu.in/>

#### **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 (SNU) campus in Gautam Buddha Nagar District (near Greater Noida), U.P.

Candidates with CSIR-UGC NET-JRF & DBT-JRF, etc., fellowships will directly appear for the onsite interview. TA for 3<sup>rd</sup> AC by train or equivalent will be paid for attending the test/interview. Local transport and accommodation will also be provided.

**Separate written examination will be conducted for PhD in Life Sciences and Bioinformatics.**

## Important Dates

Last date for submission of filled forms: **25<sup>th</sup> May 2019**

Examination Date: **1<sup>st</sup> and 2<sup>nd</sup> July 2019**

## Eligibility

A candidate should have a Master's degree in any areas of Life Sciences/Bioinformatics 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 [dlsphd2019@snu.edu.in](mailto:dlsphd2019@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). **The application fee is to be paid online.**

## Fees and Assistantship

SNU provides attractive financial assistance in the form of tuition and hostel fee waivers (100% and 70%, respectively), and a substantial Assistantship of Rs. 50,000/- per month (**for the first 2 years**) and Rs. 55,000/- per month (**for the next 2 years**) to attract the best candidates.

Particulars	Fee	Remarks
Admission Fee (Non-refundable)	Rs. 25,000	One-time fee payable at the time of admission in the first semester of the Ph.D. program
Tuition Fee (per semester)	0	(after 100% waiver)
Hostel Fee (per semester)	Rs. 18,750	(after 70% waiver)

Medical Insurance	Rs. 3,500	
<b>Sub-Total (time of admission):</b>	<b>Rs. 47,250</b>	

In addition to these amounts, a security deposit (refundable on exit) of Rs. 75,000/- will be payable in the first semester as Rs. 15,000/- monthly instalments for 5 months ( $15,000 \times 5 = 75,000$ ) from the monthly stipend.

The fee waivers and assistantships will continue, subject to satisfactory academic performance evaluated at the end of each year.

**APPLY NOW**

### SCHOOL OF NATURAL SCIENCES

The School of Natural Sciences (SoNS) at Shiv Nadar University is an integral part of the University's vision to build an institution of global eminence. The School aims to provide an international ambience in a local setting with innovative and engaging teaching methods, globally benchmarked curricula, world-class faculty and key partnerships in research. The research is supported through internal funding as well as a large number of external funding. SoNS has four major Departments: Chemistry, Life Sciences, Mathematics and Physics. It also nurtures the Big Data Analytics Center (BDAC), Center for Informatics, the Institute for Innovations & Inventions with Mathematics & IT (IIIMIT) and Center for Environmental Sciences and Engineering. The Doctoral programmes have been designed based on the University's philosophy of interdisciplinary research.

In the student-centric and active style of research at SoNS, students are trained to 'learn by doing' and thus develop the essential employability skill through creative problem-solving. State-of-the-art laboratories and computational facilities are established in the School, keeping in mind the international standards. School's academic collaborations with many international Universities help the students to have a global exposure and understanding, widening the horizon of their development. The University is currently registered with DSIR, Government of India as a Research Institution.

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

Ms. Priya Nigam, *Executive Assistant to the HoD*, Department of Life Sciences.  
Email: [priya.nigam@snu.edu.in](mailto:priya.nigam@snu.edu.in) Telephone: 0120-3819100 Extn: 708

*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>

**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 like FACS ARIA III, Confocal Laser Scanning Microscope, Real Time PCR (ABI), Advanced Fluorescence Microscope, Mammalian, Parasite and Virus culture (BSL-2) facilities, and central instrumentation facility having LCMS, 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.