



S.N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES

Block-JD, Sector-III, Salt Lake City, Kolkata-700 106

(An Autonomous Institute Under Department of Science and Technology, Government of India), website: www.bose.res.in

SNB/Advt./25-26/008

18th October, 2025

Sub: Advertisement for Faculty Recruitment

Satyendra Nath Bose National Centre for Basic Sciences (SNBNCBS), JD Block, Sector - III, Salt Lake, Kolkata - 700106 (established in 1986 with a 15 acre green campus) is an autonomous institution funded by the Department of Science and Technology, Government of India. The Centre, with a current strength of more than 32 faculty members, about 40 postdoctoral research fellows/scientists and about 200 students, has research activities in different focused areas of basic sciences. It has research activities (Theoretical, Computational and Experimental) in different areas of Physical, Chemical, Biological and Mathematical sciences. In recent years the Centre has made significant investment to establish new experimental research and computational facilities (visit our website: <https://newweb.bose.res.in>). The Centre runs a post M.Sc. and an Integrated Ph.D. Research programme in physical sciences.

The Centre consists of four Departments, (i) Astrophysics and High Energy Physics (DAHEP); (ii) Chemical and Biological Sciences (DCBS); (iii) Condensed Matter and Materials Physics (DCMMP) and (iv) Physics of Complex Systems (DPCS). The present and future research activities of the four departments are as listed below.

- (i) **DAHEP:** Astrophysics and Astro-chemistry; Theory and experiments, Observational Astronomy in Optical and Near-IR, High Energy Physics and Quantum Field Theory; Cosmology, Quantum gravity; Generalized uncertainty principle; Quantum foundation.
- (ii) **DCBS:** Physical chemistry, ultrafast (fluorescence, THz, cavity ring down) spectroscopy, single molecule spectroscopy, biophysics, material chemistry involving synthesis of COF and other novel functional materials, MD simulation and machine learning, computational biology.
- (iii) **DCMMP:** Experimental condensed matter physics, Theoretical and computational condensed matter physics, Nanoscience and technology, Physics at low dimensions, Strongly correlated electron systems, Low temperature quantum phenomena, Quantum and topological materials, Semiconductor, Spintronics and spin dynamics, Photonics, Ultrafast phenomena.
- (iv) **DPCS:** Statistical Physics: Complex Systems in and out of Equilibrium, Quantum Optics and Quantum Information Science; Quantum Condensed Matter Theory; Soft Matter Physics.

More information about the on-going research in various departments and teaching activities may be obtained at the site <https://www.bose.res.in/>.

SNBNCBS invites applications from the Indian nationals for the posts of **Assistant Professor** with Pay Level-12 and **Associate Professor** with Pay Level-13. Applications are invited from candidates having overlapping research interests in (1) **Theory of Data Science & its applications in Material Science, Astrophysics, Biological Sciences & Geological Sciences**, (2) **Computational Soft Matter**, (3) **Quantum Information** and (4) **Ultrafast Spectroscopy in solid states**.

Faculty members participate in the research and teaching activities. A faculty member is expected to execute his / her own science research programs, secure extramural research funding, supervise students in the Ph. D. level and mentoring in the post-doctoral level as well as take part in teaching the students on a regular basis.

A. Qualification and Experience

Minimum Qualification (for all faculty positions):

Ph. D in Science or Applied Sciences/Engineering with sufficient high quality publications in designated areas with first class or equivalent (in terms of grades, etc.) at the preceding degree in the appropriate branch, with a very good academic record throughout.

Assistant Professor:

Age: The upper age-limit for direct recruitment shall not exceed 40 years. (Relaxable for Government servants upto five years in accordance with the instructions or orders issued by the Central Govt.)

Years of Experience: 8 years of experience after Master's Degree (including the PhD experience) in Research and Development in Industry or Academic Institution or Science and Technology organization.

Responsibilities: The incumbent has to carry out independent innovative and focused research in a new/emerging area, set-up an independent research group with an initial start-up fund, obtain extra mural funding and take part in academic and teaching programmes of the Centre. The incumbent has to guide Ph.D students. The person is expected to publish high quality research papers in good quality and peer-reviewed journals.

Associate Professor:

Age: The upper age-limit for direct recruitment shall not exceed 45 years. (Relaxable for Government servants upto five years in accordance with the instructions or orders issued by the Central Govt.)

Years of Experience: 10 years of experience after Master's Degree (including the PhD experience) in Research and Development in Industry or Academic Institution or Science and Technology organization.

Desirable Experience: Demonstrated leadership quality and ability to do independent research in a new and emerging area as demonstrated publications and supervision.

Responsibilities: The incumbent is expected to carry out independent, innovative and focused research in a new/emerging area, set-up an independent research group with an initial start-up fund, obtain extra mural funding and take part in academic and teaching programmes of the Centre. The incumbent is expected to guide PhD students and is expected to publish high quality research papers in peer-reviewed journals and build a visible and competitive research profile.

The incumbents are expected to carryout independent research and guide Ph.D. students. They are expected to publish high quality research papers in peer-reviewed journals.

B. Pay level and initial pay at the entry point

Post	Pay Level (7 th CPC)	Initial Pay
Assistant Professor	12	₹ 78,800/-
Associate Professor	13	₹ 1,23,100/-

The pay carries all other allowances as admissible to a Central Government employee stationed at Kolkata. The other benefits, such as book grants, research initiation grant, financial support towards national and international conferences etc. shall be permitted as per the Centre's norms.

C. Application

An application form for faculty positions in the form of a .doc file is available at [CLICKHERE](#). The signed application, complete in all respects alongwith all supporting documents regarding educational qualification, experience etc. should be forwarded through proper channel, sent should be sent to: **Registrar, Satyendra Nath Bose National Centre for Basic Sciences, Block-JD, Sector-III, Salt Lake, Kolkata 700106**. A soft copy of the filled up application form should be sent by e-mail to: facultyapplications_2025@bose.res.in. **The last date of receiving applications is 30th November 2025.**

D. General Terms and Conditions

- The process of selection will consist of a seminar and academic interaction followed by a Selection Committee Meeting (for shortlisted candidates only).
- The experience can be relaxed by the Selection Committee for exceptional candidates with brilliant academic record and outstanding research profile. Age relaxation where considered Government of India Rules applies.
- Mere fulfilling of the minimum requirements does not necessarily make an applicant eligible to be called for interview.
- The crucial date for determining the age-limit shall be the closing date of receipt of application.
- Reservations rules will be applicable as per Government of India norms.
- The Centre reserves the right to withdraw the advertisement and cancel the selection process at any time without assigning any reason whatsoever.
- Applications not found suitable for higher positions may be considered for lower positions in the same area of specialization, as per decision of the Competent Authority.
- Applicants who are employed in Government, Semi-Government Organizations or Institutions must send their applications **THROUGH PROPER CHANNEL** (wherever applicable). They will be required to produce a **NO OBJECTION CERTIFICATE** from their employer at the time of interview.
- Applicants are requested to browse the website on regular basis as any amendment/corrigendum/extension of date will be published on website only.
- Incomplete applications will be rejected.

E. Additional Information

1. Applicants are not required to mention any department's name while sending the application. Once selected, a mutual concurrence of the applicant and the Centre would determine which department the applicant is going to join.
2. (a) On the first page of the Application Form, (columns 1 to 11), the desired particulars are to be filled in by the applicant supported by certificates and documentary proofs (where necessary).
(b) On the second page (columns 12 to 16) separate sheet(s) for each sub-heading in the format as indicated can be used indicating cross references in the columns provided and the annexure attached.
(c) All annexure and the application form must bear full name and signature of the applicant on each page at the bottom.