



Saha Institute of Nuclear Physics
1/AF, Bidhannagar, Kolkata – 700 064.

ADVERTISEMENT FOR RECRUITMENT OF FACULTY MEMBERS
[ON DIRECT RECRUITMENT (DR) BASIS]

Saha Institute of Nuclear Physics (SINP), a premier institute of basic research under the administrative control of the Department of Atomic Energy, Govt. of India, invites job applications from Indian nationals as per the details given below. Applicants should possess outstanding academic records and demonstrate considerable academic independence in research. Selected candidates are expected to lead research in new and emerging frontiers and actively contribute to teaching in the Institute.

Position: Associate Professor (E), Pay Level 12 of the 7th CPC Pay Matrix.

Number of positions: Total fifteen [15 posts Unreserved] in four research Groups:

- Group A (Biophysical Sciences)..... 3 (Three) posts.
- Group B (Atomic, Nuclear and High Energy Physics)..... 4 (Four) posts.
- Group C (Theoretical Physics)..... 5 (Five) posts.
- Group D (Condensed Matter, Surface physics and Material Science)..... 3 (Three) posts.

Age Limit: 35 years on the closing date of applications (age relaxations are applicable as per Gol rules).

Essential Qualifications:

- i. PhD degree.
- ii. Minimum 2 (Two) years of postdoctoral research experience.

Desirable Qualifications: Ability to guide research of junior workers, communicate and interact with other scientists, flexibility of outlook and attitude, ability to take charge of major projects or broad areas of research in the institute. Applications are expected to have gained considerable expertise in one or more of the following areas:

- ◆ **Group A (Biophysical Sciences):** Macromolecular crystallography; Mechanistic insight into bioprocesses in the context of human health; Synthesis of molecules for various biotargets; Computational chemistry.
- ◆ **Group B (Atomic, Nuclear and High Energy Physics):** Nuclear physics and nuclear astrophysics; Multi-messenger astroparticle physics; Emerging frontiers of atomic physics. Preferences will be given to developing in-house experimental facilities at SINP and underground facility in Jaduguda.
- ◆ **Group C (Theoretical Physics):** Interface of cosmology and particle physics; Gravitational waves; Particle phenomenology; Recent trends in quantum field theory; Condensed matter and soft-matter physics; Quantum information and computing.

- ◆ **Group D (Condensed Matter, Surface Physics and Material Science):** Semiconductor and soft-matter based devices; Characterization of surfaces and interfaces using scattering / spectroscopic / microscopic techniques; Development of new materials for quantum electronics / photonics; Crystal growth for studying superconducting / topological materials; Nuclear spin dynamics in solid state materials.

Pay on Appointment: Pay fixation on initial appointment will be made as per GoI rules. A candidate selected for appointment may be given up to a maximum of 5 (five) advance increments in the same level as per the explicit recommendation of the selection committee and approval of the appointing authority.

How to Apply: All applicants have to login to the application portal at www.saha.ac.in and fill up the application form online. The following documents (in PDF format) are to be uploaded to the portal:

1. A signed cover letter indicating the research group to which the application is being made.
2. CV containing the full list of publications. The list should clearly separate publications in refereed journals from those in conference proceedings.
3. A research experience (maximum two pages) indicating the role of the candidate / academic leadership / independence.
4. References of five best publications, explaining their importance and role of the candidate in these works.
5. A research plan (maximum two pages). For applicants in experimental fields, the plan must include the requirement for laboratories and equipment. Applicants are strongly advised to check the list of equipment available in SINP and indicate the ones which might be useful in their proposed research.
6. Statement of teaching experience (all candidates are expected to teach courses in SINP, which is a Constituent Institution of HBNI, Mumbai.)
7. PhD Certificate (self-attested).
8. Post-doctoral experience certificate certifying a minimum of two years of experience in postdoctoral position(s) as on the original closing date of application (certificate proforma is given in Annexure-I of the advertisement).
9. Age proof certificate (school passing certificate / admit card / passport).
10. Candidates claiming age relaxation as per GoI Rules must submit relevant documents in support of the claim, otherwise claim will not be entertained.
11. A list of five (5) referees. Each applicant must ensure that at least three (3) letters of recommendation from the list of five referees reach SINP directly from the referees to recruit.faculty@AT.saha.ac.in with candidate's name in the subject line by the closing date of application.
12. Any other relevant information the applicant may wish to share.

After submitting the online application, each applicant should save the completed application form as a PDF file and then print it. The PDF file is to be emailed along with other documents in a single zip file (the zip file should contain all PDF files, academic records, other documents, etc.) to: recruit.faculty@AT.saha.ac.in, with candidate's name in the subject line.

Closing date (and time) of receipt of application: 16th June, 2025 (15:00 hrs IST)

Selection Procedure: Applications will be shortlisted by the advertised criteria, publications, citations, recommendations by the referees, expertise in the relevant fields and assessment through seminars given by the candidate.

The Selection Committee will interview the shortlisted candidates in person or through video-conference (in case they are not stationed in India on the date of interview). The Selection Committee will make recommendations for the recruitment.

General Information:

1. Applications can be made only through SINP online portal.
2. Applications which are complete in all respects and received within the due date and time will be accepted for further processing. Applications received after the due date and time will be rejected.
3. Mere fulfillment of the essential and desirable qualifications does not qualify a candidate to be shortlisted. SINP reserves all rights to fix higher criteria than those mentioned above for shortlisting the candidates. Only shortlisted candidates will be invited to appear before the Selection Committee.
4. SINP reserves all rights to fill or not fill any of the advertised position in any above mentioned areas and to cancel any application at any stage of the selection process (for any of the reasons mentioned above).
5. Applicants who are employed (not relevant for applicants currently holding postdoc positions) in Government / Semi-Government Organizations or Autonomous Institutions should send their applications through proper channel. Forwarding letter from the employer indicating Vigilance Clearance (hard copy) is mandatory, which should reach SINP by the closing date (and time) of the applications as mentioned herein.
6. Candidates who are not employed at the time of making the application, but become employed subsequently, and called for interview, should arrange NOC (along with vigilance clearance) which should reach SINP before the date of interview.
7. All communications to the candidates will be made through emails only which is mentioned in the application form. All candidates are advised to keep their emails alive during the entire process of recruitment.
8. Each candidate is responsible for the correctness of information given in the application. If any information is found to be incorrect later, the candidature is liable to be canceled and/or the appointment terminated.
9. All amendments / modifications of this advertisement will be given only in this website viz. www.saha.ac.in.
10. Applicable allowances will be as per GoI rules.
11. For other details and information, please visit the SINP website.
12. For any query, applicants may write to recruit.faculty@saha.ac.in.

Advt. No. SINP/Estt/Advt./04/2025
Dated : 17.04.2025

Registrar, SINP

Postdoctoral Experience Certificate

TO WHOM IT MAY CONCERN

This is to certify that Dr..... (name)
is / was working in (Organization Name &
Address)
as a Postdoctoral Fellow
from (Joining Date)
to (Last Working Date).

(Signature)

(Name)

(Designation)

(Office Stamp / Seal)