



Saha Institute of Nuclear Physics

1/AF Bidhannagar, Kolkata – 700 064.

ADVERTISEMENT FOR RECRUITMENT OF FACULTY MEMBERS

[ON DIRECT RECRUITMENT (DR) BASIS]

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. The applicants should have excellent academic records and should have demonstrated a certain degrees of academic independence and strong motivations for research. The selected candidates are expected to lead research in new and emerging frontiers and play substantial roles in the teaching programmes of the Institute.

Applications with excellent academic records and research experiences are invited in the following areas:

Group A : Biophysical Sciences (3 Posts) :

- Mechanistic details of structure, function and dynamics of macromolecules/ macromolecular complexes, organelles and cellular / multicellular processes in the context of human health.
- Atomic / molecular spectroscopy, molecular dynamics, nuclear chemistry, material chemistry, medicinal chemistry, drug delivery and theoretical chemical physics.

Group B : Atomic, Nuclear and High Energy Physics (2 Posts) :

- Experimental Atomic and Nuclear Physics.
- Experimental High Energy Physics (Collider and Astroparticle physics).

Preferences will be given to the applicants having expertise in developing in-house experimental facilities.

Group C : Theoretical Physics (3 Posts) :

- Modern aspects of Quantum Field Theory and Strings.
- Particle Physics Phenomenology (BSM, heavy-ion collisions, precision QCD, lattice-assisted phenomenology).
- Theoretical Astroparticle Physics, theoretical aspects of multi-messenger Astrophysics and Cosmology.

Group D : Condensed Matter, Surface Physics and Material Science (2 Posts) :

- Experimental studies of topological phenomena, electron and spin transport, magnetic and superconducting properties, nuclear spin-dynamics and resonance phenomena in solid state materials including single crystal, layered or low-dimensional systems.
- Experimental studies of growth-structure-property correlations, ultrafast dynamics, charge and/or spin transport of electronic / optoelectronic / photonic / photovoltaic low-dimensional systems including soft matters.

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

Number of positions : Total 10 (Ten) positions in four Groups.

- Group A (Biophysical Sciences) : **3 (Three) posts**.
- Group B (Atomic, Nuclear and High Energy Physics) : **2 (Two) posts**.
- Group C (Theoretical Physics) : **3 (Three) posts**.
- Group D (Condensed Matter, Surface physics and Material Science) : **2 (Two) 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 post-doctoral research experience with recognition amongst scientists in his/her area of specialization by virtue of the merit of his/her publications.

Desirable Qualifications : Ability of guiding research of junior workers, ability to communicate and interact with other scientists and flexibility of outlook and attitude to take independent charge of sub areas belonging to a major project or broad areas of research of the Institute.

Pay on Appointment : Pay fixation in the given Level on initial appointment will be as per the Gol rules. Based on the performance in the interview or special qualification or experience, a candidate selected for appointment in a particular post with pay fixation at appropriate level may be given advance increments up to a maximum of 5 (five) increments, as per the explicit recommendations of the Selection Committee and approval of the appointing authority.

How to Apply :

All applicants have to log in to the application portal at www.saha.ac.in and fill up the application form online. The following documents have to be kept ready (in the PDF format) for uploading in the application portal, as indicated, during the process of application.

1. A signed cover letter indicating the research area in which the application is being made.
2. CV containing the full list of publications. The list should clearly separate publications made in refereed journals from those in conference proceedings.
3. A research experience (maximum two pages) indicating the role of the candidate and any 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 equipments. Applicants are strongly urged to check the list of equipment available in SINP (**Group A** : [Biophysical Sciences](#), **Group B** : [Atomic, Nuclear and High Energy Physics](#), **Group C** : [Theoretical Physics](#) and **Group D** : [Condensed Matter, Surface physics and Material Science](#)) and indicate the ones they could be of use 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-Doc experience certificate indicating a minimum of total two years experience in post-doctoral position(s) (as per the proforma Annexure-I is given in the application portal).
9. Age proof certificate (school passing certificate / admit card/passport).
10. Candidates claiming for age relaxation as per GOI Rules, must submit relevant documents in support thereof, otherwise claim will not be entertained.
11. A list of four (4) referees. The applicant must ensure that at least three (3) recommendation letters from the listed referees reach SINP directly from the referees by the closing date (and time) of the receipt of the application to recruit.faculty@saaha.ac.in in with the candidate's name in subject line.
12. Any other information the applicant may wish to share.

After submitting the online application, each applicant should save and print the completed application form as a pdf-file, which has 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@saaha.ac.in, with the candidate's name in subject line.

Closing date (and time) of receipt of application: 30th June, 2023 (15:00 hrs. IST)

Selection Procedure : Applications will be screened for shortlisting by taking into account the fulfillment of the advertised criteria by the candidates, research publications and their citations, recommendations of the referees, usefulness of expertise in the relevant field and also the assessment of seminar talks by the candidates (if necessary).

The Selection Committee(s) shall interview the shortlisted candidates in person or through videoconference, in case they are not stationed in India on the date(s) of interview(s). The Selection Committee(s) shall make suitable recommendations for the recruitment of the candidates.

General Information :

1. Applications can be made only through the 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 to fill any number of advertised positions in any of the 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 Post-Doc positions) in Government / Semi-Government Organizations or Autonomous Institutions have to send their applications through proper channel. Forwarding letter from the employer indicating Vigilance Clearance (hard copy) is mandatory, which must reach SINP by the last date (and time) of the applications as mentioned herein.
6. For candidates who are not employed at the time of application, but become employed subsequently, and called for interview, must arrange for NOC (with vigilance clearance) reach SINP before the date of interview.
7. All communication to the candidates will be made through email that is mentioned in the application form. All candidates are advised to keep their email ids active for this purpose.
8. The candidate is responsible for the correctness of information given in the applications. If any information is found to be incorrect later on, the candidature is liable to be cancelled 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. All new appointments will be governed by NPS introduced w.e.f 01.01.2004.
11. Applicable allowances will be as per Gol rules.
12. For other details and information, please visit the SINP website.
13. For any query, applicants may write to [recruit.faculty\[AT\] saha.ac.in](mailto:recruit.faculty@saaha.ac.in).

Advt. No. SINP/Estt/Advt./03/2023

Dated : 17.04.2023

Professor in Charge, Registrar's Office

Post-Doc / RA Experience Certificate

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Dr..... (name) is / was
working in
(Organisation Name & Address) as a Post-Doctoral Fellow / Other Designation, from
.....(Joining Date) to.....(Last Working Date).

(Signature)

(Name)

(Designation)

Office Stamp / Seal