

ADVT. NO. 33/2021

[Position purely on Temporary and Contractual Basis]

Indian Institute of Science Education and Research Pune is a premier autonomous Institution established by the Ministry of Education, Government of India, for promotion of high quality science education and research in the country.

Institute invites applications from Indian nationals for the following post purely on temporary and contractual basis:

| Name of the Post | Research Associate (RA) |
|------------------------------------|--|
| No. of posts | 1 (One) |
| Name of the Project | “Nuclear quantum effects on structural properties and dynamics at metal water interfaces: Coupling QMMM and Path Integral Molecular Dynamics” |
| Funding Agency | Department of Science & Technology (DST). |
| Project code | 30121547 |
| Minimum Educational Qualifications | Ph.D. in Physics / Chemistry / Material Science or relevant areas (Candidates who have submitted thesis / submitting thesis by July 15, 2021 may also apply). |
| Preference | Candidates having experience in performing either QMMM simulations or path integral molecular dynamics simulations or both will be preferred. |
| Job Requirement | The incumbent is expected to: 1. (a). Perform first principles molecular dynamics simulations using codes like CP2K, Quantum ESPRESSO, etc. Preference will be given to someone with in depth working knowledge of CP2K. OR (b). Performing classical MD simulations with GROMACS, CP2K, etc. with good knowledge of force fields. AND 2. Have proficiency in programming with either Fortran, C or python. |
| Tenure of the appointment | Initially for a period of one year, extendable for further period subject to satisfactory performance of the incumbent and availability of funds |
| Consolidated emoluments | RA: Rs. 49,000/- + 24% HRA per month to 54,000 + 24% HRA per month depending upon experience. Candidates who have submitted their thesis but not completed defense (i.e. candidates without a provisional certificate of having qualified for the degree), will be |

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| | designated as Senior Research Fellow (SRF) and paid Rs. 35,000/- + 24% HRA till the time of submission of Provisional Ph.D. certificate. |
| Age | RA: Not more than 35 years as on last date of application SRF: Not more than 32 years as on last date of application |
| Last date of application | June 30, 2021 |

HOW TO APPLY:

- Interested candidates should send the application by email addressed to pghosh@iiserpune.ac.in on or before **June 30, 2021**. Please mention “**Research Associate, Project Code: 30121547**” in the subject line of the email. The application should include a (i) full CV with complete list of publications, (ii) a brief summary of the work done in Ph.D. and / or post Ph.D., (iii) name and contact of at least two referees and (iv) a write up highlighting the candidate’s expertise in programing.
- **The candidate should have submitted thesis by July 15, 2021. An intimation of the same with relevant proof should be sent to the above email ID on or before July 15, 2021.**
- Incomplete applications will not be considered.
- For queries regarding the scientific aspect of the project, candidates can contact at the above mentioned email id.
- Applications submitted through any other job portals like Naukri.com, etc. will not be accepted.
- The list of the shortlisted candidates for selection process with details of date, time and venue will be put up on the Institute website below this advertisement and candidates will be informed **by e-mail** only.
- The print out of the application form sent by email signed and dated by the applicant along with recent passport size photograph and photocopies of relevant certificates and other testimonials in support of age, qualification, experience etc. will be collected at an appropriate stage.

General Information / details about the posts

1. The appointment is purely temporary and will terminate automatically without any notice or compensation on termination of the project.
2. The appointed person shall have no claim of appointment / absorption in Funding Agency or in IISER Pune.
3. The appointment of the applicant will be governed by the terms and conditions of the funding agency particularly applicable to the said project.
4. The qualification prescribed should have been obtained from recognized Universities / Institutions.
5. The prescribed educational qualification/s are the bare minimum and mere possession of same does not entitle candidates to be called for interview. Where number of applications received in response to this advertisement is large, it may not be convenient or possible to interview all the candidates. Based on the recommendations of the Screening Committee, the Project Investigator may restrict the number of candidates to be called for the interview to a reasonable limit after taking into consideration qualifications and experience over and

above the minimum prescribed in the advertisement. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field at the time of applying.

6. Age relaxation commensurate with experience of the applicant may be considered with the prior approval of the competent authority.
7. No TA/DA will be admissible for appearing for the interview.
8. No interim enquiries / correspondence / communication of any sort will be entertained on the matter.
9. Canvassing in any form and / or bringing any influence, political, or otherwise, will be treated as a disqualification for the post applied for.

Advt. No. 32/2021/IISER-P/Proj._Rect./04.06.2021

REGISTRAR