



INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT UNIT

ADVERTISEMENT NO:R&D/1039/CDA/369

DATED: 15/4/2024

Project No.:R&D/SP/CBE/CDA/2023-24/1039

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

- (a) Name of the temporary assignment : Junior Research Fellow (JRF) – (Vacancy: 01 post)
(b) Number of Post : JRF-01 (one)
(c) Duration of the Post : Initially 01 year and can be extended up to maximum

of 03 years subject to satisfactory performance.

(Note: JRF may apply in PhD programme of CBE Dept. of IIT Patna)

- Name of the temporary research project : **Coalescence dynamics of aqueous droplet at nanoscale: Insight from molecular simulation**

- Name of the sponsoring Agency: Science and Engineering Research Board (SERB), Govt. of India (GOI).

- Consolidated Fellowship/Salary: Rs. 37,000/- per month for first two years + HRA (as applicable) and Rs. 42,000/- per month for the third year + HRA (as applicable)

5. Qualifications & Experience:

B.E./B.Tech. or equivalent degree in Chemical Engineering/Technology, Biochemical Engineering, Mechanical Engineering with valid GATE score/NET qualification,

Or

M.E./M.Tech. or equivalent degree in Chemical Engineering/Chemical Technology/Biochemical Engineering/Mechanical Engineering (and specializations therein) with GATE / NET qualification,

Or

M.Sc. in physics and chemistry with valid GATE score/NET qualification

The candidate desirably should have BE/B.Tech, ME/M.Tech, M.Sc. degree or equivalent degree with a minimum CPI of 6.5 or 60 % of marks.

Age limit: The upper age limit for JRF shall be 28 years for B. Tech./B.E. and 32 years for M. Tech./M.E./M.Sc. degree. Relaxations for SC/ST/OBC/Women/PD will be given as per the GOI rules.

Working/research experience in the field of surface and interfacial properties of complex molecules using computational techniques will be given preference.



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1. Candidates interested in this position and satisfying the qualification criteria should write an email to the Project Investigator: **Dr. Sandip Khan** (Email id: skhan@iitp.ac.in)
2. The subject of the email should read as “JRF Position under CRG”. **The last date for receiving this email is 30th April, 2024.**
3. The email MUST include the scanned/pdf copy of the duly filled application form (see below) with applicant’s signature.
4. The email MUST include self-attested scanned pdf copy of all supporting documents (degree certificates, mark-sheets, GATE/NET scorecard, and category certificate, if applicable).
5. The application should also include a brief academic CV not exceeding two pages.

IIT Patna reserves the right to not shortlist any candidate in case the application email does not contain complete information backed up by the supporting documents as listed above.

All candidates who apply via email by 30th April, 2024 (deadline) and are shortlisted will be informed regarding the further details by 4th May, 2024.

The shortlisted candidates would be asked to choose between offline walk-in (no travel allowances (TA) would be provided) and online interview mode. For any query, contact investigator: **Dr. Sandip Khan**, Department of Chemical and Biochemical Engineering, IIT Patna, **Email:** skhan@iitp.ac.in (Tel.: +91-6115-233282).

Important Dates: 1. Last date of receiving Applications by Email: **30th April, 2024**
2. Shortlisted candidates will be informed by Email: **4th May, 2024**
3. Date of Interview: To be announced.

Deputy Registrar

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file



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FORMAT OF APPLICATION FOR JRF

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/S T/PD)	DOB dd/ mm/yy	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address: Phone: Email:			
Educational Qualification			
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	10 th Class		
	12 th Class		
	Bachelors (B.Sc/B.Tech/B.E./BCA) or equivalent		
	Masters (M.Sc/M.Tech/M.E/MCA/ MA) or equivalent		
Qualifying degree	Degree/ major/Specialization		
(B.Sc/B.Tech/B.E./BCA)			
(M.Sc/M.Tech/M.E/MA/MCA)			
Others			

Date:
Place:

Signature of applicant