

OFFICE OF THE DEAN, FACULTY AFFAIRS

Advertisement No. IISERBPR/ADV/PDRF/CHM/2025/09

Date: 01/12/2025

Name of the position	PDRF
No. of position	01
Type of engagement	Temporary
Name of the Project	Utilization of porous materials for various applications, including gas adsorption and catalysis.
Funding Agency	Institute Fund
Principal investigator (PI) with contact details	Dr. Malay Kumar Rana Associate Professor Dept. of Chemical Sciences Indian Institute of Science Education and Research, Berhampur, Odisha
Qualification and experience as per MoE guidelines (F. No.12-2/2019-U1 dated January 31, 2019), F. No. 51-07/2019-TS.VII (Vol. -II) dated October 04, 2019 or as per the guidelines of the funding agency	The applicant should hold a Ph.D. degree in Physical Chemistry, Materials Science, or a related discipline, with a strong academic record. Ph. D. candidates who have submitted their thesis can also apply for this position.
Period of engagement	~01 year
Fellowship/Remuneration per month (₹)	As per Institute Norms (Gol)
Job requirement	Candidates with hands-on experience in synthesis, characterization, and applications of materials (e.g., COF, MOF, HOF, or other materials), such as gas adsorption and catalysis, or others. Additional knowledge of modeling and computational simulation (classical or DFT) of materials, including artificial intelligence, can be advantageous.
Last date of applications	A detailed CV and a research statement containing the background and motivation for research (docx/pdf file < 10 MB) have to be sent to the PI at mrana@iiserbpr.ac.in latest by December 15, 2025 (23:59 hrs) with the subject line "Application for PDRF Position". Your CV must contain the information as mentioned in Annexure 1 . For any technical doubts, candidates are free to contact the PI via Email/phone.
Interview	The date of the interview will be informed to the shortlisted candidates later via email or phone. The interview will be conducted online via Google Meet .



Signature of the Principal Investigator

Annexure 1**Candidate Biodata**

Name:
Current Affiliation:
Email:
Contact Number:

Paste your photo

1. Basic information

Sl. No.	Category (Genral/OBC/SC/ST/EWS)	Date of Birth	Ph.D. Completed (mention date)/ On-going	Academic Qualifications %age of Marks/ GradeAvg.*			External Funding Details (if any)
				B.Sc	M.Sc	PhD	

2. Basic educationBSc or Bachelor's Degree

Discipline:
Institute/College/Board:
Year of passing:

MSc or Master's Degree

Discipline:
Institute/College/Board:
Year of passing:

3. PhD details

Institute:
Supervisor:
Period:
Thesis title:

4. Research/professional experiencePostdoc 1 or Professional experience 1

Organization:
Supervisor:
Period:
Project title

Postdoc 2 or Professional experience 2

Organization:
Supervisor:
Period:
Project title

Postdoc 3 or Professional experience 3

Organization:

Supervisor:

Period:

Project title

5. Expertise

Please mention your expertise: such as material synthesis, characterization, applications (e.g., gas adsorption, separation, catalysis, semiconductor, or energy-related, etc.), or what other expertise you have in the experimental field. Please also mention if you have any experience in material modelling, computational simulation (classical or DFT), use of artificial intelligence, or any software, or any other expertise.

6. Previous and current research summary

Please provide a summary of research done during PhD, postdoc, or any other project period.

7. Research statement

Please briefly describe the future project/research you would like to undertake, including the background and motivation for that research.

8. Any other information you would like to share

Please mention additional information that you think is relevant to share.

Please also arrange two recommendation letters to be directly sent to mrana@iiserbpr.ac.in