



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

ADVERTISEMENT NO: R&D/1413/DBA/533

DATED: 06.01.2026

Project No R&D/SP/MME/DBA/2025-2026/1413

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

1. (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 till project is completed subject to satisfactory performance.
2. Name of the temporary research project : Development of Bimetallic alloy based promoter on mesoporous oxide matrix for efficient decomposition of DMAZ(fuel) /H₂O₂(Ox) based green bipropellants
3. Name of the sponsoring Agency: Indian Space Research Organisation Department of Space, India, Government of India
4. Consolidated Fellowship/Salary: Rs. 37,000/- + HRA per month
5. Qualifications & Experience: B.E./B.Tech. with GATE score or M.E./M.Tech./M.S.

Bachelor's/Master's degree level in the following disciplines:

Metallurgical and Material Engineering, Materials Science/ Engineering, Mechanical Engineering, Production Engineering, Industrial Engineering, Chemical Engineering, Aerospace Engineering, Ceramic Engineering, Energy Science and Engineering, and allied engineering disciplines. **A valid GATE score is desirable.**

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. degree. Relaxations for SC/ST/OBC/Women/PD will be given as per the GoI rules.

Preference will be given to the candidates having research experience in the field of synthesis of catalysts.

1. Candidates interested in this position and satisfying the qualification criteria should write an email to the Project Investigator: **Dr. Bharat Bhushan (Email id: bhushan@iitp.ac.in)**
2. The subject of the email should read as "JRF Position". The last date for receiving this email is 20th January 2026.
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 (if qualified), and category certificate, if applicable).
5. The application should also include a brief academic CV not exceeding two pages.



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Key responsibilities of a JRF include:

Research Work: Conduct literature reviews, experimental work, data collection, and data analysis as part of the research project.

Project Assistance: Assist the PI in project planning, design, and execution.

Data Interpretation: Analyse research data and interpret the results to draw meaningful conclusions.

Report Writing: Prepare research reports, papers, and presentations to communicate findings and progress to the research team and stakeholders.

Continuous Learning: Keep abreast of the latest developments and advancements in the field of research.

Collaboration: Collaborate with other researchers and team members to share knowledge and insights.

Compliance: Ensure that research work is conducted in adherence to ethical guidelines and research protocols.

Professional Development: Attend seminars, conferences, and workshops to enhance knowledge and research skills.

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 20th January 2026 (deadline) and are shortlisted will be informed regarding the further details by 27th January, 2026.

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. Bharat Bhushan, Department of Metallurgical and Materials Engineering, IIT Patna, Email: bhushan@iitp.ac.in (Tel.: +91-6115-233997).

Important Dates:

1. Last date of receiving Applications by Email: 20th January 2026
2. Shortlisted candidates will be informed by Email: 27th January, 2025.
3. Date of Interview: To be announced.

Assistant Registrar (R&D)

Copy to:

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

