



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

**ADVERTISEMENT NO: R&D/757/DRSP/279**

**DATED: 10.04.2023**

Project No- R&D/SP/MME/DRSP/2022-23/757

Applications are invited in the prescribed format only for a research project funded JRF position in the Department of Metallurgical and Materials Engineering, IIT Patna

1. (a) Name of the temporary assignment : Junior Research Fellow.  
(b) Number of Post : One  
(c) Duration of the Post : One year initially followed by extension of two years subject to satisfactory performance.
2. Name of the temporary research project : Development of Robust and Superhydrophobic Plasma Sprayed Graphene reinforced TiAl Intermetallic membranes with improved Desalination in Membrane Distillation
3. Name of the sponsoring Agency : Department of science and Technology (DST)
4. Consolidated Fellowship/Salary : Rs. 31000/ + (@8% HRA) Rs. 2480/-=33,480 Rs. for first two years followed by Rs. 35,000/- + (@8% HRA) Rs. 2800/-=37,800 Rs (subject to satisfactory performance)
5. Qualifications & Experience:
  - a) For candidates with M.Tech./ME/MS as qualifying degree in Metallurgy, Ceramic, Polymer/Plastic, Mechanical, Chemical Technology, Rubber Technology, Nanotechnology, Materials Science/Engineering, Steel Technology, Process Metallurgy, Welding Engineering, Industrial Metallurgy, Foundry and forge, Production engineering, Surface Science/Engineering: first class (minimum 65% marks or 7.0 CPI) in M.Tech./ME/MS with GATE/NET qualifications and first class (minimum 60% marks or 6.5 CPI) in B.Tech./BE, 12th and 10th class.
  - b) For candidates with B. Tech./BE as qualifying degree in the following selected disciplines (Metallurgy, Ceramic, Polymer/Plastic, Mechanical, Chemical Technology, Nanotechnology, Materials Science/Engineering, Physics and Chemistry, Foundry and forge, Production engineering), 75% marks or 8.0 CPI in B.Tech./BE from institutes other than IITs/IISc and 7.0 CPI in B.Tech. from IITs and IISc with valid GATE score and first class (minimum 60% marks or 6.5 CPI) in 12th and 10th class.
  - c) The age should not exceed 28 years for a candidate with BE/B.Tech/M.Sc. degree as the highest qualification and 32 years for a candidate with ME/M.Tech/MS degree as the highest qualification.
  - d) Relaxations for SC/ST/OBC/women/PD will be given as per the GoI rules.



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Working/research experience in the field of Ceramic/metal composites, Nanocomposites, Environmental engineering, Composite fabrication techniques, Microstructure and Phase analysis, Mechanical and Tribological characterization will be given preference.

Interested and eligible candidates may send their applications with below annexure form with subject line JRF position-DRSP-757 to principle investigator ([anup@iitp.ac.in](mailto:anup@iitp.ac.in)) by May 20, 2023.

Shortlisted candidates will have the **On-line INTERVIEW** on **22/05/2023 at 4:00 PM** at Dr. Anup Kumar Keshri, Dept. of Metallurgical and Materials Engineering, IIT Patna, Bihta, Patna – 801106 with updated resume along with the original copies of all supporting documents (certificates, mark-sheets, and degrees).

For any query contact Investigator(s) :**Dr. Anup Kumar Keshri, Dept. of Metallurgical and Materials Engineering, IIT Patna, Emails: [anup@iitp.ac.in](mailto:anup@iitp.ac.in) Tel.: 0612-3028184.**

**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 Junior Research Fellow**

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

<b>Qualifying degree</b>	<b>Degree/ major/Specialization</b>
(B.Sc/B.Tech/B.E./BCA)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Others	

Signature of applicant

Date:

Place: