



**INDIAN INSTITUTE OF TECHNOLOGY PATNAB**  
**IIT PATNA-801106**  
**RESEARCH & DEVELOPMENT (R&D) UNIT**

ADVERTISEMENT NO: R&amp;D/868/BCP/303

DATED: 29/08/2023

PROJECT CODE: R&amp;D/SP/MME/BCP/2023-24/868

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

1. (a) Name of the temporary assignment : Junior Research Fellow (JRF)  
(b) Number of Post : One  
(c) Duration of Post : 36 months
2. Name of the temporary research project : **Mg<sub>2</sub>TiO<sub>4</sub> Based Microwave Ceramics: Correlations of Dielectric Properties with Structure, Phase and Sintering Parameters**
3. Name of the sponsoring Agency : Council of Scientific and Industrial Research (CSIR)
4. Fellowship : **Rs. 31000/- per month for first two years + HRA (as applicable) and Rs. 35000/- per month for the third year + HRA (as applicable)**

5. Qualifications &amp; Experience:

**Essential Qualifications:**

B.S 4-year programme/ Integrated B.S.-M.S./M.Sc./B.E./B.Tech. or equivalent degree, with 55% marks and passing of NET-LS/GATE test

**Desirable Qualifications:**

(i) 60 % (or higher) in 10<sup>th</sup> and 12<sup>th</sup>

(ii) Bachelor's degree level in the following disciplines: Metallurgical Engineering, Ceramic Engineering/ Technology, Polymer Science/ Chemistry/ Technology, Plastics Science / Technology, Rubber Science / Technology, Mechanical Engineering, Chemical Engineering / Technology, Nanotechnology, Materials Science / Engineering, Physics and Chemistry with a CGPA 6.5 or 65 % (or higher) and valid GATE (preferably with paper code PH, CY and XE) or NET score

(or)

Master's degree level in the following disciplines: Metallurgical Engineering, Ceramic Engineering/ Technology, Polymer Science / Chemistry/ Technology, Plastics Science / Technology, Rubber Science / Technology, Mechanical Engineering, Chemical Engineering / Technology, Nanotechnology, Materials Science / Engineering, Physics, Chemistry, Applied Physics, Solid state Physics/ Technology, Solid State Materials, Solid State Electronic Materials, Applied Chemistry, Nanotechnology, Materials Science/Engineering, Steel Technology, Process Metallurgy, Welding Engineering, Industrial Metallurgy, Surface Science/Engineering, Mechatronics Engineering, Industrial Engineering, Industrial and Production Engineering, Foundry and Forge Technology with a CGPA of 6.5 or 60 % (or higher) marks for candidate with M.Tech. degree, and CGPA 7.5 or 70% (or higher) for M.Sc. candidate with valid GATE (preferably with paper code PH, CY and XE) or NET score

**NOTE:** The upper age limit for JRF shall be 28 as on the day on which the application is made. A small relaxation in age limit may be considered, in the case of applicants who are suitably qualified and experienced, on the recommendations of the selection committee. The upper age limit is relaxable upto 5 years in the case of candidates belonging to scheduled castes/ tribes/OBC, women and physically handicapped candidates.



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Interested candidates may send duly filled and scanned copy of the application form (refer to page-3) along with supporting documents (resume, marksheets, certificates etc) to **Dr. Anirban Chowdhury, (Email: anirc@iitp.ac.in)** by email on/before **15<sup>th</sup> September, 2023**. Shortlisted candidates (based on their applications) will be intimated for **WRITTEN TEST** followed by **INTERVIEW**. The selected 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. Anirban Chowdhury, Dept. of Metallurgical and Materials Engineering, IIT Patna, Email: anirc@iitp.ac.in Tel.: 0612-3028183.

**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'**

<b>Name &amp; Address</b> <b>Including email id and Phone no.</b> <b>(for Correspondence)</b>	<b>Category</b> (GEN/OBC/SC/ST/PD)	<b>DOB</b> dd/mm/yy	<b>Professional Exam.</b> (GATE/CSIR-NET, etc) & <b>Validity</b>
<b>NAME IN CAPITAL</b> Address:  Phone: Email:			

**Educational Qualification**

<b>Institute/Board</b>	<b>Exam Passed</b>	<b>Year of Passing</b>	<b>% of Marks/CI</b>
	10 <sup>th</sup> Class		
	12 <sup>th</sup> Class		
	B.Tech./B.Sc. or equivalent		
	M.Tech./M.Sc. or equivalent		

<b>Qualifying degree</b>	<b>Degree/major/Specialization</b>
B.Tech./B.Sc.	
M.Tech./M.Sc.	
Others	

Signature of applicant

Date:

Place: