



भारतीय प्रौद्योगिकी संस्थान भिलाई

जी. ई. सी. कैम्पस, सेजबहार, रायपुर - ४९२०१५
छत्तीसगढ़, भारत

Indian Institute of Technology Bhilai

GEC Campus, Sejbahar, Raipur - 492015

Chhattisgarh, India

Phone # 0771-2973600/602

Advertisement for the post of Junior Research Fellow in a SERB-funded Research Project

Applications are invited from Indian nationals for the position of 'Junior Research Fellow' in a SERB funded research project with following details:

Title of the project: Flow Dynamics and Size-based Particle Sorting in an Evaporating Sessile Droplet Containing Bi- and Tri-dispersed Colloidal Particles

Principal Investigator (PI): Dr. Nagesh Devidas Patil, Assistant Professor, Room 312, Department of Mechanical Engineering, IIT Bhilai, GEC Campus, Sejbahar, Raipur, Chhattisgarh- 492015 (Mob: +91-8879802049; email: nageshpatil@iitbhilai.ac.in; web: <https://www.iitbhilai.ac.in/index.php?pid=nageshpatil>)

Name of the position: Junior Research Fellow

Number of Positions: 01

Essential qualifications: 1. BE/BTech (or equivalent Degree) in Mechanical/Chemical Engineering from a recognized institute/university or statutory body OR equivalent degree with a minimum of 60% aggregate score (6.5 grade points on a scale of 10); For SC/ST category, the candidate must have secured a minimum of 55% aggregate score (6.0 grade points on a scale of 10).

2. Should have qualified through **GATE or CSIR-UGC NET**

Desirable: Preference will be given to the candidates having experience relevant to the project. Candidates with **one or more of the followings** skills are strongly encouraged to apply:

1. Experience in fluid flow and heat transfer experiments.
2. Coding skills in MATLAB and C++.
3. Experience of using scientific equipments such as High-speed Camera, Infra-red Camera, Optical microscope, and Spin Coating on glass/other surfaces.

Age limit: 30 years

Salary: Rs. 31,000/- per month (consolidated)

Duration: One year or up to the termination of the project, subject to half-yearly performance review.

How to apply: Interested candidates must apply on the application form attached with this advertisement. Duly completed application form along with candidate's detailed CV must be e-mailed to the PI, Dr. Nagesh Devidas Patil at nageshpatil@iitbhilai.ac.in to reach him by **Thursday, 4th February 2021**. Only shortlisted candidates will be called for interview and no TA/DA will be paid for attending the interview. Candidates should make their own arrangements for stay. The position is available immediately.

Due date: The application must reach the PI, Dr. Nagesh Devidas Patil, through email by **Thursday, 4th February 2021 (on or before 5.00 pm)**.



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Terms and Conditions:

- i) No TA/DA will be provided to the candidate for the interview. (Considering the situation, there is possibility that the interview may be conducted in online mode)
- ii) The PI shall not be responsible for any technical or any other reason for non-receipt of the document at the specified time and will result in disqualification/rejection of the application.
- iii) The decision of the selection committee will be final.
- iv) If the number of shortlisted candidates called for the interview is large, the selection committee may decide to restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- v) The appointment of the candidate will be governed by the terms and conditions of the Institute/ funding agency particularly applicable to the said project as and when required.
- vi) The selected candidate will have to join duty immediately on receipt of the offer.
- vii) The fellowship may be terminated with a 30-day notice before completion of the tenure, if performance till date is not deemed satisfactory.