



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 Project Associate in a SERB-funded Research Project

Applications are invited from Indian nationals for the position of Project Associate in a SERB funded research project with the following details:

Title of the project: Light-driven micromotors for rapid detection of very low concentration bacteria and microplastic pollutants in water using SERS.

Principal Investigator: Dr. Dhruv Pratap Singh., Assistant Professor, Room 306, Department of Physics, IIT Bhilai, GEC Campus, Sejbahar, Raipur, Chhattisgarh- 492015 (+91-7712551300 (extn: 6142); email: dhruv@iitbhilai.ac.in; web: <https://www.iitbhilai.ac.in/index.php?pid=dhruv> and www.amnlab.in)

Name of the position: Project Associate

Number of Positions: 01

Essential qualifications: a) B.Tech/B.E. (Engineering Physics/Nanotechnology/Nanoscience/material science/Mechanical engineering) or b) M.Sc. (Chemistry/Physics/Nanotechnology/Nanoscience) 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).

c) The candidate must have a valid GATE/ CSIR-UGC NET.

Desirable: Preference will be given to candidates having experience relevant to the project.

Candidates with expertise in the followings are strongly encouraged to apply:

- 1) Experiments in colloids and soft matter Physics.
- 2) Microscopic observations and handling of biological samples.
- 3) Data and image analysis using Python or Matlab.
- 4) Characterization techniques such as Fluorescence microscopy, SERS, XRD.
- 5) Good communication skills and problem-solving capability.

Age limit: 45 Years or as per the guidelines of SERB-DST.

Salary: Consolidated salary Rs. 35,960/- per month

Duration: Initially one year or up to the termination of the project, subject to a six-month performance review. Based on the review and assessment after one year the position can be extended for one more year or up to the termination of the project.

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 mailed or emailed to the PI, Dr. Dhruv Pratap Singh, at dhruv@iitbhilai.ac.in. Applications without the 'application form' shall not be considered. Only shortlisted candidates will be called for an interview (via online mode). The positions are available immediately.

Due date: The application must reach the PI, Dr. Dhruv Pratap Singh, by **Monday, 28th December 2020 (on or before 5.00 pm)**.



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Terms & Conditions:

- i. No TA/DA will be provided to the candidate for the interview
- ii. The PI shall not be responsible for delay due to invalid email address provided, if any, or any other reason for non-receipt of the document at the specified time and will result in disqualification/rejection of the application. The decision of the selection committee will be final.
- 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.