



# 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 DST Funded Research Project**

Applications are invited from Indian nationals for the position of ‘Junior Research Fellow (JRF)’ in a DST funded research project (Indian-Israeli Joint Research Cooperation Programme (IIJRC) with following details:

**Title of the project:** A Halide Perovskite Based Photoanode for Oxygen Evolution Reaction Using a Molecular Diode in a Hybrid Nanometer Scale Protection Layer

**Principal Investigator:** Dr. Satyajit Gupta, Assistant Professor, Room 206, Department of Chemistry, IIT Bhilai, GEC Campus, Sejbahar, Raipur, Chhattisgarh- 492015 (+91-7712551300 (extn: 6115)/7003196388 (mob); email: [satyajit@iitbhilai.ac.in](mailto:satyajit@iitbhilai.ac.in); web: <https://www.iitbhilai.ac.in/index.php?pid=satyajit>).

**Name of the position:** Junior Research Fellow

**Number of Positions:** 01

**Essential qualifications:** MSc (Physics/Chemistry/Materials Science/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).

Candidates should have qualified **GATE** or **CSIR-UGC NET**.

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

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

- 1) Expertise in Electrochemistry, Gas-Chromatography, XRD, SEM, UV-Visible based characterization techniques and analysis.
- 2) Expertise in Thermal evaporator, Spin-Coater, Solution processable solar-cell fabrication and testing.

**Age limit:** 28 years

**Salary:** Rs. 31,000/- per month+16% HRA

**Duration:** Initially for 1 year or, co-terminus with the project, whichever is earlier.

**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. Satyajit Gupta at [satyajit@iitbhilai.ac.in](mailto:satyajit@iitbhilai.ac.in) so as to reach him by **Friday, 21<sup>st</sup> May 2021**. Applications without the ‘**application form**’ shall not be considered. Only shortlisted candidates will be called for an **online/offline\*** [\*depending on the situation] interview depending on the situation. The positions are available immediately.

**Due date:** The application must reach the PI, Dr. Satyajit Gupta, by **Friday, 21<sup>st</sup> May 2021 (on or before 5.00 pm)**.



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### Condition:

- i) The decision of the selection committee will be final.
- ii) 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.
- iii) 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.
- iv) The selected candidate will have to join duty immediately on receipt of the offer.
- v) The fellowship may be terminated with a 30-day notice before completion of the tenure, if performance till date is not deemed satisfactory.
- vi) TA/DA shall not be paid if a candidate is called for 'offline' interview. Candidates shall be responsible for arrangement of their stay at Raipur during the interview.