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## JRF Position

Applications are invited for the post of Junior Research Fellow in the **Functional Materials and Electrochemical Energy Storage** Laboratory of Centre for Nano and Material Sciences (CNMS), Jain University Bangalore, Karnataka in the SCIENCE & ENGINEERING RESEARCH BOARD (SERB) funded research project referenced **EÇR/2018/001039** under the guidance of **Dr. Debasis Ghosh**. The fellow will work on the Project titled "*Towards Developing Flexible Lithium–Sulfur Batteries*".

Our group at CNMS is involved in cutting edge functional nanomaterials (different layered metal oxides/sulfides/carbides, biomass derived functional carbon materials, etc) and nanocomposites research in the field of electrochemical energy storage. The main objective of our research group is the development of novel electrodes/electrolytes systems for supercapacitors, rechargeable batteries and supercap-battery hybrid systems targeting application in portable electronics, electric vehicles and grid scale energy storage. We aim to design flexible electrodes and novel ionogel electrolytes to fabricate flexible energy storage device for portable and flexible electronics. We are highly focused on developing feasible mass production technique that can easily be scaled up and is of high commercial importance.

### Qualification and Experience:

1. M. Sc. in Chemistry or a related discipline. Candidate should have obtained at least 55% marks in qualifying degree examination.
2. M. Tech in Chemical/Materials Engineering from reputed Institutes.
3. Research experience in Chemistry/Chemical Engineering/Materials Science.
4. Preference will be given to CSIR-UGC NET (JRF/LS) or GATE qualified candidate.
5. The ability to work closely and collaborate with colleagues is a must. Proficiency in English language is required.

### Stipend:

The JRF fellowship will be given as per the university rule. The salary and appointment terms are consistent with the current rules for Ph.D. degree students.

**Duration:** 3 years. The student can also register for Ph.D. in Jain University, subject to fulfilling the requirements of the University.

Objective of the 3 years position is a number of research articles in peer-reviewed scientific journals.

### How to apply:

Application should contain a Curriculum Vitae and a statement of interest. Candidates should direct their applications and queries to [g.debasis@jainuniversity.ac.in](mailto:g.debasis@jainuniversity.ac.in)

The first cycle of review of application will begin within two weeks of the notification. The position will be open until filled.

Only shortlisted candidates will be called for the interview. Selected candidates will be intimated by email. No TA/DA will be paid for appearing in the interview.

**Contact:**

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