

## JRF Position

Applications are invited for the post of Junior Research Fellow in the **Organometallic Synthesis and Catalysis** Laboratory of Centre for Nano and Material Sciences (CNMS), Jain University Bangalore, Karnataka in the SCIENCE & ENGINEERING RESEARCH BOARD (SERB) funded research project referenced **EMR/2017/000844** under the guidance of **Dr. Shubhankar Kumar Bose**. The fellow will work on Project titled "*Multiple Bonds between Transition Metals and Boron: Syntheses and Reactions of the Borylidyne Complexes*".

The main objective of our research is the development of series of metal boryl complexes with controlled variations of the steric and electronic at the metal center by suitable modification of the ligand ancillary. This would allow the preparation of LM-boryls which could then be used to study their reactions towards various organic transformations. Also, synthesis of multiply-bonded compounds of the general formula  $L_nM\equiv ER$ , where M is a transition metal,  $L_n$  is a ligand, E is a Group 13 element and R is a bulky organyl substituent.

### Qualification and Experience:

1. M. Sc. in General Chemistry/Organic/Inorganic or a related discipline. Candidate should have obtained at least 55% marks in qualifying degree examination.
2. Research experience in Organometallics Chemistry.
3. Preference will be given to CSIR-UGC NET (JRF/LS) or GATE qualified candidate.
4. 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 [b.shubhankar@jainuniversity.ac.in](mailto:b.shubhankar@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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