

## **JRF Position in Chemistry**

Applications are invited for the post of a Junior Research Fellow for a project entitled “*Mono, Bis, and Tris 1,2,3-Triazole-Based Palladium(II) and Nickel(II) N-Heterocyclic Carbene Complexes as C-C/C-N Coupling and Olefin Polymerization Catalysts*” in Discipline of Chemistry, **Centre for Nano and Material Sciences (CNMS)**, Jain University Bangalore, Karnataka.

### **Qualification and Experience:**

1. M. Sc. in Chemistry, Candidate should have obtained at least 55% marks in qualifying degree examination.
2. Preference will be given to CSIR-UGC NET (JRF/LS) or GATE qualified candidate.
3. The ability to work closely and collaborate with colleagues is a must. Proficiency in the English language is required.

**Stipend:** The JRF will be paid INR 15000/- *per month as a stipend* as per university rule. The salary and appointment terms are consistent with the current rules for Ph.D. degree students.

**Duration:** Initial appointment for one year, extendable up to 3 years based on performance. The objective of the 3 years position is a number of research articles in peer-reviewed scientific journals, together comprising the Ph.D. thesis leading to the granting of the Ph.D. degree at the Jain University.

**How to apply:** Application should contain a detailed resume, one photograph, contact details including phone number, email and postal address and photocopies of educational/professional qualifications. Please also mention preferred date of joining, if selected.

Completed applications should reach Dr. Siddappa A. Patil, (Associate Professor) by **June 20, 2017**, through e-mail (E-mail: [p.siddappa@jainuniversity.ac.in](mailto:p.siddappa@jainuniversity.ac.in)).

Please also arrange at least two references that may be contacted regarding your recent work. 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.

### **Project involves:**

The main goal of the project is to design, synthesize and characterize a series of 1,2,3-triazol-5-ylidene palladium(II) and nickel(II) complexes capable of acting as selective homogeneous catalysts for C-C/C-N cross coupling and olefin polymerization reactions. Certainly, this project would be helpful for getting insights on the mode of action of these complexes in C-C/C-N coupling and olefin polymerization reactions, drawing a correlation between different ligand systems varied with steric bulk and electronic changes.

**Contact:**

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