

---

## JRF Position in Chemistry

Applications are invited for the post of Junior Research Fellow for the project entitled “*Transition Metal Catalyzed New Organic Transformation and its Applications in Organic Synthesis*” 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 stipend of INR 15000/- *per month* 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:** The 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. Ramesh Dateer, (Assistant Professor) by **June 20, 2017**, through e-mail (E-mail: rameshd321@gmail.com CC to 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:** Transition-metal-catalyzed reactions have gained a tremendous attention in last decades in a construction of various heterocyclic compounds from readily available starting materials, which is generally difficult to achieve by traditional synthetic methods. These reactions have been widely recognized as a step-economic, atom-economic and waste-reducing strategy in a formation of carbon-carbon and carbon heteroatom bonds and a tremendously large number of synthetic methods have been established. Another reason is that the transition-metal catalysis is used to perform in a selective manner, carbon-hetero atom and carbon-carbon bond forming reactions that would be more difficult, even impossible with conventional organic reagents alone. Therefore, the development of the new catalytic system has become one of the important frontier research fields in modern synthetic organic chemistry.

**Contact:**

Dr. Siddappa A. Patil,  
Associate Professor,  
Center for Nano and Material Sciences,  
Jain University, Jain Global Campus,  
Jakkasandra Post, Bangalore. Pin 562112  
Email: p.siddappa@jainuniversity.ac.in

Dr. Ramesh Dateer,  
Assistant Professor,  
Center for Nano and Material Sciences,  
Jain University, Jain Global Campus,  
Jakkasandra Post, Bangalore. Pin 562112  
Email: rameshd321@gmail.com