

Project Assistant Position Available

Applications are invited for a Project Assistant position in a ‘Catalysis and Organic Synthesis’ group to work on the broad area of project entitled: “**Development of New Molybdenum-Isonitrile Complex Catalyzed Processes and its Application in Basic Chemistry**” (DST file No.: (SB/S2/RJN-042/2017)” at Center for Nano and Material Sciences (CNMS), Jain University, Bangalore, Karnataka, India.

Qualification and Experience:

1. M. Sc in Chemistry or any related area. 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 with the English language is required.

Stipend:

The salary and appointment terms are consistent with the current rules for PhD degree students and as per university norms.

Duration: Initial appointment is for one year, extendable up to 3 years based on performance.

Objectives of the 3 years position are to gain knowledge and experience in a highly demanding research area. Candidate can publish their result in the good national and international journal.

How to apply:

- Application should contain a detailed resume, one recent color photograph and contact details including phone number, email and postal address, photocopies of educational/professional qualifications.
- Please also mention preferred date of joining if selected
- Completed applications should reach to Prof. Ramesh Dateer, Catalysis and Organic Synthesis Group, JGI Global Campus, 45th km, NH - 209, Jakkasandra Post, Bangalore - Kanakapura Main Road, Ramanagar District - 562 112, Bangalore Rural, Karnataka, India. The applicant can apply ASAP preferably through e-mail (E-mail: rameshd321@gmail.com).
- Please also provide 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.

About the Group and its focus:

The group has its focus to work on transition metal catalyzed new transformations which mainly involved catalytic transformations (Mo, Rh, Ru, Ir, Co, Pd etc), Alkyne activations and functionalization's, Lewis acid catalyzed reactions, and the reactions proceeding via carbene and nitrene intermediates. Our laboratory is equipped with the good facilities and infrastructure. We are strongly looking for the suitable candidate to work on this exciting research area.

Project Overview: 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 has 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-heteroatom and carbon-carbon bond-forming reactions that would be more difficult, even impossible with conventional organic reagents alone. Therefore, the development of new catalytic system has become one of the important frontier research fields in modern synthetic organic chemistry.

Facilities available in group: Fuming hood, Rotary evaporator, UV lamp, Magnetic stirrer, Shrink line, High vacuum pump, Nitrogen cylinder, Refrigerator, Micro-balances, etc.

Common Facilities: GC, GC-MS, 400MHz, NMR (upcoming) etc

Facilities available in campus: A very good hostel and mess facilities are available, for more details check <http://cnms.jainuniversity.ac.in/Social-facilities.htm>

Contact Person:

Dr. Ramesh Dateer,

Assistant Professor (Ramanujan Fellow)

Catalysis and Organic Synthesis Group,

Center for Nano and Material Sciences,

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