



Indian Institute of Technology Indore .
Khandwa Road, Simrol Indore 453552

Date: 12/08/2018

Advertisement for Junior Research Fellow (JRF) Position

PI: Dr. Amrendra K. Singh

Applications are invited from highly motivated and eligible candidates for a Junior Research Fellow (JRF) position in a SERB funded project titled “**Designing Bimetallic Complexes with Cooperative Metal-Metal Interactions for the Multi-electron Reduction of Small Molecules**”.

Objective:

- Synthesis of new bifunctional pincer ligands with disparate metal binding sites which are selective towards different metal ions.
- Study of complexation of the new ligands with transition metals. Complete characterisation of new metal complexes with usual spectroscopic methods (IR, UV-Vis, NMR, Mass, etc.) and single crystal X-ray diffraction studies.
- Investigation of reactivity of new metal complexes towards small molecules and catalytic applications in suitable reactions.

Eligibility Criteria:

Essential Qualifications: M.Sc. degree in Chemistry with valid CSIR-UGC NET or GATE score.

Desirable Qualifications:

Candidates with prior research experience can be given preference.

Stipend:

The amount of JRF fellowship will be as per SERB norms.

Duration:

Initial appointment will be for **one year**, which is extendable up to the validity period of the SERB project. Interested candidates will be encouraged to enrol for the PhD program at IIT Indore.

How to Apply:

Interested candidates should send application along with their detailed CV and qualifying exams' score cards to Dr. Amrendra K. Singh (*Webpage: <http://people.iiti.ac.in/~aks/>*), Discipline of Chemistry, Indian Institute of Technology Indore, via e-mail: aks@iiti.ac.in with subject line "Application for JRF position" latest by **August 19, 2018**.

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

Note: The Institute reserves the right to fill or not to fill the post advertised.