

Advertisement for Project Assistant (JRF)

A position of Project Assistant/Junior Research Fellow is available in the Computational Inorganic Chemistry Group at Department of Chemistry, IIT Hyderabad to work on a DST sponsored project **SRG/2020/001323**, titled:

“Computational Exploration on Bonding and Covalency in Actinide Molecular Complexes”

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| Project No. | SRG/2020/001323 |
| Designation | Junior Research Fellow (JRF) |
| Principal Investigator | Dr. Saurabh Kumar Singh |
| Position Available | 01 |
| Tenure of the Project | 24 months |
| Essential Qualification | M.Sc. (Chemistry) with a minimum of 60% Marks |
| Monthly Stipend | As per the revised GOI norm |
| Desirable | With CSIR/UGC-NET or valid GATE score; Experience in DFT and <i>ab initio</i> calculations |
| Selection Procedure | Selection will be based on the performance of the candidate during the interview conducted by the committee. Candidate with valid NET/GATE score will be encouraged to apply for the IITH Ph.D. Program. |

Chemistry of f-elements, in particular actinides and transactinides, is a challenge for modern quantum chemistry because of their electronic structure complexity. The proposal's fundamental objective is to analyze all the aspects of electron correlation in a balanced fashion and develop an in-depth understanding of the electronic structure and actinide-ligand covalency in various actinide molecular complexes using state-of-the-art computational methods.

Interested candidates are required to submit their application (Curriculum Vitae as well as a copy of M.Sc. Degree certificate and GATE/NET examination certificate if applicable) through an email to Dr. Saurabh K. Singh (sksingh@chy.iith.ac.in) with the subject line “Application for the Position of JRF” by **20th January 2021**.