

Department of Chemistry  
School of Natural Sciences  
Shiv Nadar University

Applications Invited for a Project Assistant in Inorganic/Organic Chemistry  
Background

Project Title

Solid-state luminescence active ultra-rigid neutral coordination complex

Applications are invited for the post of Junior Research Fellow in a DST-funded project under the supervision of Dr. Debdas Ray, Department of Chemistry, School of Natural Sciences (SoNS), Shiv Nadar University, Uttar Pradesh 201314. [For more information please visit Dr. Debdas Ray's home page: [http://snu.edu.in/naturalsciences/debdas\\_ray\\_profile.aspx](http://snu.edu.in/naturalsciences/debdas_ray_profile.aspx) <https://scholar.google.co.in/citations?user=5awrC0IAAAAJ&hl=en>]

Project Description

Main goal in this project is to construct low-cost high efficient **solid-state emitter**, which may lead to the development of new generation of luminescent materials in advanced energy applications.

Nature of Study

Organic/Inorganic Synthesis and Photo-physical studies (steady state and excited state fluorescence, phosphorescence, quantum yield in solution, solid and films) and computational (DFT-TDDFT) approach.

Fellowship & Duration

As per DST norms, ₹ 25,000 (per month) + HRA (as permissible). One year duration (extendable based on performance and availability of funds)

Essential & Desirable Qualification

The applicant must have M.Sc. degree in Chemistry (Inorganic/Organic) from a recognized University with a minimum of 55% marks or equivalent grade. It is preferable that the candidate is GATE/NET qualified (attach a copy of the score card) or with any equivalent fellowship or with experience in organic synthesis.

Applications with complete bio-data (with details of qualification i.e. examination passed, year, division, percentage of marks 10<sup>th</sup> board onwards, and photocopies of mark sheets/ testimonials/ certificates) should be sent by **email** (or by post) to reach the following office **on or before 30<sup>th</sup> December 2016**:

**Ms. Saritha Rajan**

EA to the HOD (Chemistry)  
School of Natural Sciences  
Shiv Nadar University P.O.

Tehsil Dadri, District Gautam Buddha Nagar  
UP 201314, India.  
Email: saritha.rajan@snu.edu.in  
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Short-listed candidates will be called for interview at the Shiv Nadar University campus. No TA/DA will be provided for appearing in this interview.

### **About Shiv Nadar University**

Shiv Nadar University is a comprehensive, multidisciplinary, research-focused and student-centric institution that is bringing a paradigm shift in higher education in India through its innovative curriculum, interdisciplinary focus, and cross-disciplinary thinking across a wide range of disciplines. The University is building an eco-system of knowledge to promote recognition of the inter-connectedness of ideas, systems, and environments in the world inside the campus, and those outside it. The University has 5 Schools, 16 Departments and 6 Research Centers engaged in teaching, practice, and research in disciplines as diverse as Engineering, Humanities & Social Sciences, Management, Natural Sciences, Art, Design, Performing Arts, Communication, and Extended Education & Professional Development. The schools offer Bachelor, Masters, and Doctoral degrees along with multidisciplinary curriculum to enable students to explore subjects and disciplines that may be widely different from their chosen Majors.