

Department of Chemistry School of Natural Sciences Shiv Nadar University

APPLICATIONS INVITED FOR A PROJECT JRF IN INORGANIC/ORGANIC CHEMISTRY BACKGROUND

Project Title

Donor(D)-acceptor(A) based third generation of luminescent materials for optoelectronic applications

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 201 314. [For more information please visit *Dr. Debdas Ray's* home page: 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) including 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 10th 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 30th November 2016. Selected candidates will be called for interview at the Shiv Nadar University campus. No TA/DA will be provided for appearing in this interview.

Ms. Saritha Rajan

EA to the HOD (Chemistry)
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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.