

DEPARTMENT OF CHEMISTRY, SCHOOL OF NATURAL SCIENCES, SHIV NADAR UNIVERSITY

APPLICATIONS INVITED FOR A PROJECT JUNIOR RESEARCH FELLOW (INORGANIC / ORGANIC / PHYSICAL CHEMISTRY)

Applications are invited for the post of Junior Research Fellow in a DST funded project entitled "Angularly oriented donor(D)-acceptor(A) architecture for solid state luminescence active **ultra-rigid neutral coordination complex of zinc(II) and aluminium(III)**" under the supervision of Dr. Debdas Ray, Department of Chemistry, School of Natural Sciences, Shiv Nadar University, UP 201 314. [For more information please visit Dr. Debdas Ray's home page]:

http://www.snu.edu.in/naturalsciences/debdas_ray_profile.aspx

<https://scholar.google.co.in/citations?hl=en&user=5awrC0IAAAAJ>

Essential & Desirable Qualification: The applicant must have M.Sc. degree in Chemistry (Inorganic/Organic/Physical) 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.

Fellowship: As per DST norms, ₹ 25,000/- p.m. plus HRA as permissible.

Duration: One year (extendable based on performance and availability of funds)

Project Description: Main goal in this project is to construct low-cost "**ultra-rigid**" neutral coordination complex of zinc(II) and aluminium(III) with high efficient **solid-state fluorescence**, which may lead to the development of new generation of luminescent complex in OLED, NLO, bio-imaging, and sensor.

Nature of Study: Organic/Inorganic Synthesis and Photo-physical studies (steady state and excited state fluorescence), Non-linear optical effect, Bio-imaging, and Computational (DFT-TDDFT) approach.

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 29th August 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 201 314, India.

Email: saritha.rajan@snu.edu.in

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Selected candidates will be called for interview at the Shiv Nadar University campus. No TA/DA will be provided for appearing in this interview.

General Information about Shiv Nadar University

Shiv Nadar University is a multi-disciplinary research-led university, established by the Shiv Nadar Foundation in 2011 through an act of the State of Uttar Pradesh, India. Shiv Nadar University's mission is to develop and educate the leaders of tomorrow; to support research and scholarly endeavors that contribute to the creation of new knowledge; and to run research and teaching programs that tackle the most pressing problems of India and the global community. The University offers a wide range of academic programs at the undergraduate, post-graduate and doctoral level.