

Department Of Physics
School Of Natural Sciences
Shiv Nadar University

APPLICATIONS INVITED FOR A PROJECT JUNIOR
RESEARCH FELLOW (PHYSICS/ MATERIALS SCIENCE /
DEVICE PHYSICS OR A RELATED FIELD)

Applications are invited for the post of Junior Research Fellow in a DST-SERB funded project entitled “*The impact of oxygen-induced defects in TiO₂-based resistive switching devices*” under the supervision of Dr. Alope Kanjilal, Department of Physics, School of Natural Sciences, Shiv Nadar University (SNU), UP 201314. [For more information please visit Dr. Alope Kanjilal’s home page:

http://snu.edu.in/naturalsciences/Alope_Kanjilal_profile.aspx].

Essential & Desirable Qualification

The applicant must have M.Sc. degree in Physics 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 resistive switching devices.

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

The primary aim of the project is to understand the fundamental mechanism behind the evolution of defects, especially oxygen vacancies in controlling the operation of metal/oxide/metal-based resistive switching devices.

Nature of Study

Thin film deposition, introduction of defects, understanding structural and chemical properties, fabricating devices and analyzing electrical properties.

Eligible and interested candidates may send their application with a complete CV (with details of qualifications, photocopies of mark sheets/ testimonials/ certificates and a recent passport size photograph) and also mentioning research experience in the respective field, if any, to reach the following office **before 1st May 2017**:

Dr. Alope Kanjilal
Associate Professor, Department of Physics
School of Natural Sciences, Shiv Nadar University
NH-91, Tehsil Dadri
District Gautam Buddha Nagar, UP 201314, India.

Please use PIN 201314 for Speed Post or registered post, and PIN 201307 (Dadri) for courier services.

Email: aloke.kanjilal@snu.edu.in (candidates can email before sending their documents by post)

Short-listed candidates will be called for interview at the Shiv Nadar University campus or via Skype. 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.