



DEPARTMENT OF CHEMISTRY
UNIVERSITY COLLEGE OF SCIENCE
Mohanlal Sukhadia University, Udaipur

Dr. Neetu Kumari
Assistant Professor

nectukumari@mlsu.ac.in

No. Chem/UCOS/SERB/SURE/4983

October 11, 2023

Advertisement for the post of Project Associate-I in SERB-SURE
Funded research Project

Applications are invited from the highly-motivated and research-oriented candidates on a plain paper for the one post of Project Fellow to work on the time-bound SERB, New Delhi funded research project undertaken in the Department of Chemistry, Mohanlal Sukhadia University, Udaipur (Rajasthan) India with details are as follows:

Title of Project	Bioisosteric Approach for the Synthesis of Fumitremorgin C, Tariquidar and Elacridar Analogues for Reversing Multidrug Resistance in Cancer Description: Drug resistance is the most prominent reason for the failure of anticancer chemotherapy. Tumors are either innately persistent to the drugs used or else are initially drug sensitive but, after remission, recur in drug-resistant form. Frequently, such tumors are obstinate to more than one class of cytostatic drugs. Prominent among possible mechanisms of this multi drug resistance (MDR) are the broad specificity drug efflux pumps of the ABC family. The potential for such proteins to mediate clinical MDR has generated considerable interest in agents able to inhibit their activity and so reverse innate or acquired drug resistance. There are only few highly active inhibitors are known however suffering from severe toxicity. To achieve better inhibitors on ABC transporter we have focused on three basic principle of medicinal chemistry: 1. Bioisosteric approach on currently used inhibitor for the synthesis of drug like molecules 2. Natural product derivatization via a multicomponent reaction (Ugi reaction) approach 3. Hybrid approach of current inhibitor and natural product.
Principal Investigator (PI):	Dr. Neetu Kumari Assistant Professor Department of Chemistry, University College of Science, Mohanlal Sukhadia University, Udaipur-313001. For other details about the profile and research of the PI, please visit the homepage: <u>Department of Chemistry :: Mohanlal Sukhadia University Udaipur (mlsu.ac.in)</u>
Name of the Post	Project Associate-I
Number of Post	One (1)
Minimum Qualification	Essential: M.Sc. (Chemistry) with at least 55% marks Desirable: Candidates having experience of organic synthesis and publication's in the relevant area.
Fellowship/Monthly salary	Rs. 25000 + 2000 HRA (fixed)
Funding Agency	Science and Engineering Research Board (SERB), Department of Science and Technology, New Delhi
Tenure	The position is temporary and renewable each year, subject to satisfactory performance, for a maximum of three years and position is co-terminus with the project.
Last date	October 26, 2023 by 5:00 PM.



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How to apply:

1. Applicants should send their application on a plain paper with a cover letter, updated CV [including name, photograph, date of birth, address for communication, phone number, email ID, education details (10th class onwards) and scientific accomplishments (like research papers etc.)] and copies of all necessary qualifications and experience certificates on the PI email i.e. nectukumari@mlsu.ac.in on or before October 26, 2023 by 5:00 PM. Application sent via other mode will not be accepted.
2. Shortlisted candidates will be intimated through email.
3. Interview may be conducted via offline mode only in the PI's department.
4. Applicant must bring all the original certificates at the time of interview (for offline mode) or at the time of joining (for online mode) for the purpose of verification, along with one set of photocopies.

General information and terms and conditions

1. Appointment is purely temporary and will terminate automatically without any notice or compensation or termination of the research project.
2. The appointed person shall have no claim of appointment/absorption in the funding agency or in the Mohanlal Sukhadia University.
3. Appointment of the applicant will be governed by the terms and conditions of the funding agency particularly applicable to the mentioned project.
4. The qualification prescribed should have been obtained from the recognized university/institute.
5. The prescribed educational qualifications are the bare minimum and mere possession of the same does not entitle candidates to be called for interview. If number of applications received in response to this advertisement is large, it will not be convenient or possible to interview all the candidates. Based on the recommendation of the screening committee, the PI may restrict the number of candidates for the interview to a reasonable limit after taking into consideration qualifications and experience over and above the minimum prescribed in the advertisement. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field at the time of applying.
6. No TA/DA will be admissible for appearing in the interview.
7. Selected candidate will have to join the duty immediately on receipt of the offer.
8. No interim enquiries/correspondence/communication of any sort will be entertained on the matter.
9. Canvassing in any form and / or bringing any influence, political or otherwise, will be treated as a disqualification for the post applied for.
10. The upper age limit is 28 years (5 years' relaxation for female/SC/ST/Physically Handicapped Candidate).

Neetu
11/10/23

Dr. Neetu Kumari
PI & Assistant Professor
Department of Chemistry,
Mohanlal Sukhadia University, Udaipur.

[Signature]
Head


Department of Chemistry,
Mohanlal Sukhadia University, Udaipur.
Department of Chemistry
University College of Science
UDAIPUR



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UNIVERSITY COLLEGE OF SCIENCE
Mohanlal Sukhadia University, Udaipur

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Assistant Professor

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 **Department of Chemistry**
University College of Science
M. L. Sukhadia University, Udaipur-313001 (Raj.)
REQUIRED 12/10/2023

Applications are invited for one Project Associate-I (@ 25000/-pm + HRA) in SERB, SURE funded research project in the research area of Organic Synthesis for a period of three years. For qualifications and application details, visit the website, www.mlsu.ac.in. Apply along with documents before 26 October, 2023 to PI (E-mail: neetukumari@mlsu.ac.in).

Dr. Neetu Kumari, PI **Head**

The advertisement draft, should not exceed 8cm (length) x 3 cm (height)