



DEPARTMENT OF BOTANY  
MOHANLAL SUKHADIA UNIVERSITY  
UDAIPUR – 313 001 (INDIA)  
www.mlsu.ac.in



Dr. Harish [M.Sc., Ph.D., Post Doc]  
Assistant Professor

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**Advertisement for the post of Junior Research Fellow**

No. Bot/H/EEQ/2021/1

February 4, 2021

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

|                           |   |
|---------------------------|---|
| Name of the Project       | <b>Molecular characterization of genes involved in heterocyst differentiation in <i>Nostoc</i> strain</b><br><br><b>Description:</b><br>Prime goal of the research project is to characterize the genes involved in heterocyst differentiation in cyanobacteria. To achieve this goal, project aim to establish the axenic <i>Nostoc</i> culture and to study the effect of various factors influencing the heterocyst frequency. Differential gene expression analysis using transcriptome analysis, qRT-PCR and protein profiling using 2-D gel electrophoresis. Structural characterization of genes involved in heterocyst formation. The work involves intensive wet-lab work and therefore candidate has to spent long hours to achieve the goal of this project. |
| Name of the Post          | <b>Junior Research Fellow (JRF)</b>   |
| Number of Post            | <b>One (1)</b>  |
| Minimum Qualification     | <b>Essential:</b><br>M.Sc. (Botany) with at least 55% marks<br><br><b>Desirable:</b><br>Candidates having experience of handling cyanobacterial and algal culture, preparation of algal media, hands-on experience of basic laboratory instrumentation, basic knowledge of computers.   |
| Fellowship/Monthly salary | <b>Rs. 31,000/- per month + HRA @8% i.e. Rs. 2,480/-</b><br><br><b>Total = Rs. 33,480/- per month</b>   |
| Funding Agency            | Science and Engineering Research Board (SERB), Department of Science and Technology, New Delhi  |
| Project Investigator      | Dr. Harish  |



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|           |   |
|-----------|---|
| Tenure    | The position is temporary and renewable each year, subject to satisfactory performance, for a maximum of three year and position is co-terminus with the project. |
| Last date | February20, 2021 by 5:00 PM.  |

**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 (10<sup>th</sup> class onwards) and scientific accomplishments (like research papers etc.)] and copies of all necessary qualifications and experience certificates on the PI email i.e. [harish.botany1979@gmail.com](mailto:harish.botany1979@gmail.com) on or before February20, 2021 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 online or offline mode.
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 entitled 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



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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.

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