

Advertisement for Two Junior Research Fellow (JRF) Positions in a DBT-Funded Research Project

Applications are invited from eligible and motivated candidates for TWO (02) positions of **Junior Research Fellow (JRF)** in a research project funded by the **Department of Biotechnology (DBT), Government of India**, under the supervision of **Dr. Prashant Singh, Assistant Professor, Department of Botany, Institute of Science, Banaras Hindu University, Varanasi.**

Project Title	Integrating Phylogenomics and Metabolomics: A Polyphasic Approach to Heterocytous Cyanobacterial Systematics and Functional Characterization
Project Description	This project aims to resolve the taxonomy and evolutionary relationships of heterocytous cyanobacteria through an integrated polyphasic approach combining molecular phylogeny, phylogenomics, morphology, and metabolomics.
Funding Body	Department of Biotechnology (DBT), Government of India (File No.: BT/PR59716/BSA/33/735/2025; BHU Project Code: P-07/1363)
Host Laboratory	Laboratory of Cyanobacterial Systematics and Stress Biology, Department of Botany, Institute of Science, Banaras Hindu University (BHU), Varanasi – 221005, Uttar Pradesh Lab Website: https://cyanosystematics.com/
Number and Name of Positions	No. of positions: TWO (02) Name of position: Junior Research Fellow (JRF)
Job Role	The selected Junior Research Fellow(s) will assist in the isolation, cultivation, and polyphasic characterization of heterocytous cyanobacteria using morphological, molecular, and metabolomic approaches. The role also involves field sampling, laboratory experiments, data analysis, and preparation of research reports and scientific publications.
Project Duration	Three (03) years
Fellowship	Rs. 37,000/- per month + 18% HRA for the first two years (JRF) and Rs. 42,000/- per month + 18% HRA for the third year (SRF), as per DBT norms.
Age Limit	As per the DBT guidelines
Essential Qualifications	Applicants must have JRF, NET or GATE qualification and hold an M.Sc. degree in Botany / Microbiology / Biotechnology / Biochemistry / Applied Microbiology / Plant Science / Life Science with at least 55% or equivalent marks. <i>Desirable Skills: Candidates with hands-on experience in microbiological and molecular biology techniques, cyanobacterial/algal culture handling, DNA extraction, PCR, sequence analysis, bioinformatics, metabolomics, or related laboratory techniques will be preferred.</i>
Last Date of Application	31st July 2026, 11:59 PM



Dr. PRASHANT SINGH
Assistant Professor
Dept. Of Botany, Institute of Science,
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Procedure for Application

1. Interested candidates should submit their applications online through the prescribed Google Form on or before the last date, along with all required supporting documents.
2. The link of the Google Form is <https://forms.gle/2RAmhVJEKwXYyPFV6>
3. The following documents must be uploaded as part of the online application:
 - Recent passport-size photograph
 - Updated Curriculum Vitae (CV) containing permanent and correspondence addresses, names of father and mother, contact details, educational qualifications (from High School onwards), and details of research experience, if any.
 - Self-attested copies of all academic certificates and Final Marksheets.
 - Self-attested copy of the valid JRF/NET/GATE qualification certificate.
 - Caste Certificate (if applicable) and other documents.
4. Incomplete applications or applications submitted without the required documents will be summarily rejected.
5. Only shortlisted candidates will be invited for an interview. The interview schedule will be communicated by email; therefore, applicants must provide a valid email address and mobile number. Candidates are required to appear for the interview in person with the original certificates and one set of self-attested photocopies for verification.
6. For any queries regarding the advertisement, candidates may contact:
 - Email: sps.bhu@gmail.com; prashantsingh.bot@bhu.ac.in

General Instructions

1. Mere fulfilment of the minimum eligibility criteria does not guarantee shortlisting for the interview. Candidates will be shortlisted based on their academic credentials, research experience, technical expertise, and the specific requirements of the project.
2. The Principal Investigator reserves the right to restrict the number of candidates called for interview, and not to fill one or both positions if suitable candidates are not available.
3. Applicants are solely responsible for the authenticity and accuracy of the information and documents submitted. Any discrepancy found at any stage of recruitment or during the tenure of the project may lead to cancellation of candidature or termination of appointment.
4. No TA/DA will be provided for attending the interview.
5. The appointment is purely temporary and contractual, initially for one year, and is extendable annually up to the completion of the project (maximum three years) subject to satisfactory performance and continuation of project funding.
6. Either the Principal Investigator or the selected candidate may terminate the engagement by giving one month's written notice.
7. The selected candidate is expected to join the project within 15 days from the date of the offer of appointment.


03/07/2026
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