

File No.: GBU/ACA/e-file/265/2023/0298/Academic

March 31, 2023

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

Gujarat Biotechnology University (GBU), established by the Department of Science & Technology (DST), Govt. of Gujarat and located in the GIFT city, Gandhinagar is India's first and only Biotechnology University with a strong focus on innovation and translational research (Visit: [www.gbu.edu.in](http://www.gbu.edu.in)).

GBU invites applications for following posts in extramural project entitled 'Establishing environmental surveillance of emerging pathogens and pollutants from Gujarat using multi-omics approaches' purely on temporary basis and is co-terminus with the project duration.

Name of the post	Junior Research Fellow (JRF)
Number of posts	3
Project Title	Establishing environmental surveillance of emerging pathogens and pollutants from Gujarat using multi-omics approaches
Project Focus	The proposed study will pursue environmental epidemiological surveillance for monitoring emerging contaminants (pathogens and pollutants) and determining their threats. Additionally, molecular detection methods for selected few pathogens will be developed.
Project Funded by	Gujarat State Biotechnology Mission (GSBTM), Department of Science and Technology (DST), Government of Gujarat.
Project Duration	2 Years (Till March 8, 2025)
Qualification and Experience	<b>Eligibility:</b> M.Sc./M.Tech in Biotechnology/ Microbiology/ Biochemistry/ Bioinformatics or any other relevant life science discipline with minimum 55% marks or equivalent CGPA. <b>Desirable Qualification and Experience:</b> <ul style="list-style-type: none"><li>▪ Candidates who have qualified the CSIR-UGC-NET/ DBT-JRF/ ICMR-JRF/ GATE/ OTHER national level exams.</li><li>▪ Candidates having experience &amp; interests in molecular biology techniques/ metagenomics/ metabolomics/ bioinformatics.</li><li>▪ Candidates having experience in NGS &amp; data analysis.</li><li>▪ Candidates having experience in detection of pathogens and pollutants/contaminants in wastewater</li></ul>

	<p>through LC-MS/GC-MS.</p> <ul style="list-style-type: none"> <li>▪ Candidates must have proficiency in scientific writing.</li> </ul>
Job requirement	<ul style="list-style-type: none"> <li>▪ Candidates will be required to travel for sample collections and networking with other institutions.</li> <li>▪ Candidates will have to perform all molecular biology and associated techniques for multi-omics approaches (Metagenomics, Metabolomics and others).</li> <li>▪ Candidates will be involved in molecular detection method development of emerging contaminants.</li> </ul>
Fellowship	<p>Rs. 36,000/- per month inclusive of HRA for NET/ GATE/ national-level exam qualified candidates as per GSBTM, DST, GoG guidelines.</p> <p>or</p> <p>Rs. 23,213/- per month inclusive of HRA for candidates who have not qualified the NET/ GATE/ national-level examinations as per GSBTM, DST, GoG guidelines.</p>
Project Principal Investigator	Dr. Varun Shah
Last date of Application	21/04/2023 (5:00 pm)
Upper Age Limit	30 Years (On last date of application)

### Instructions for Application:

Please be ready with following documents before filling up application on google form:

(i) CV [Should not be of more than two pages and should include research/work experience, educational qualifications (from S.S.C onwards), publications and awards. Also provide name, address, email id and contact number of two referees, who are familiar with your recent academic activities/progress (PDF Format; File should be named as Name\_CV).].

(ii) Degree certificate of last qualification (File should be named as Name\_1).

(iii) One page write-up in your own words on 'Need for wastewater epidemiological surveillance' (PDF Format; File should be named as Name\_2).

(iv) National Level Exam certificate (Optional; File should be named as Name\_3).

(v) Please fill up the google form. Link: <https://forms.gle/m4QuxtUJXjt6LNrT6>

Candidates shortlisted for online interview will be informed through email.

Sd-  
**Dr. Varun Shah**  
**Principal Investigator**  
 Gujarat Biotechnology University

Sd-  
**Dr. Jeetendra Lilani**  
**Registrar**  
 Gujarat Biotechnology University