



Advertisement for the Research Project Positions

Applications are invited from Indian nationals for the following positions in the IIT Bhilai Innovation and Technology Foundation sponsored research project entitled “**Healthcare and Community Medicine Empowerment of Underprivileged Tribal-Population: Biological Validation of Cancer and Sickle Cell Anemia**”.

S. No	Name of the position	Available openings	Salary
1	Research Associate	1	As per DST and IIT Bhilai norms
2	Project Associate/ Junior Research Fellow	2	As per DST and IIT Bhilai norms
3	Software Engineer	2	As per DST and IIT Bhilai norms
4	Technical Assistant	2	As per DST and IIT Bhilai norms

Principal Investigator: Dr. R. Mayil Murugan, SD1, Room No. 407, Department of Chemistry, and Department of Bioscience & Biomedical Engineering, IIT Bhilai, Durg District, Chhattisgarh - 491002. Mobile: 9943041049; email: murugan@iitbhilai.ac.in.

The application also can be submitted via filling out the Google form

https://docs.google.com/forms/d/1-mV9zqDsGMDDeiOcl7c1Pzz_h2fSopFMk-gowTrKSall/edit

Web: <https://www.iitbhilai.ac.in/index.php?pid=murugan>.

Number of Positions: 07

Essential qualifications:

Research Associate/Post-Doctoral Fellow: PhD in Biosciences/Any Life Science Disciplines/ Biomedical Engineering with a cancer biology background. The candidate who submitted their Ph.D. thesis is also encouraged to apply.

Desirable: Experience in cancer biology: Handling the cell line experiments and maintaining the cell culture facility.

Project Associate/ Junior Research Fellow: MSc (Biosciences/Life Sciences/Chemistry) from a recognized institute/university or statutory body OR equivalent degree with a minimum of 60% aggregate score (6.5-grade points on a scale of 10); For SC/ST category, the candidate must have secured a minimum of 55% aggregate score (6.0 grade points on a scale of 10). M.Sc students pursuing the final semester are also encouraged to apply.



Desirable: Preference will be given to candidates having CSIR/UGC JRF-NET/GATE or working experience relevant to the project.

Software Engineer: M.Tech/ME/MS in Computer Science and Engineering/Information Technology or equivalent with four years of relevant experience. (OR) B. Tech/ B.E. in Computer Science and Engineering/ Information Technology or equivalent with the relevant experience. (OR) M.Sc. in Computer Science, Information Technology, or equivalent with the relevant experience. (OR) M.C.A. from a recognized University or statutory body with relevant experience.

Desirable and Experience: Expertise in one or more programming languages such as Java, Python, Php, C++, or JavaScript, Node Js , Express Js. Proficiency in front-end and back-end development technologies. Experience with popular web frameworks (e.g., React, Angular, Vue.js). In-depth knowledge of database systems, including MySQL. MongoDB and NoSQL databases Strong understanding of software architecture and design principles. Experience in designing scalable and maintainable software systems. Proven leadership skills with the ability to guide and mentor junior team members. Experience in leading and driving technical decisions within a team. Excellent verbal and written communication skills for effective collaboration and documentation.

Technical Assistant: Bachelor/ Master degree in Biosciences/Life Sciences/ Nursing(B.Sc/ Dip) / Dip. in Lab Technician course/ other technical subjects.

Desirable: Experience in blood sample collection and maintaining the cell culture facility.

Age limit: As per DST and IIT Bhilai norms

Duration: The initial appointment will be given for one year and is extendable to an additional year based on performance.

How to apply: Interested candidates must apply using the **Application Form** attached to this advertisement. Duly completed **Application Form** along with a detailed CV with the date of birth, contact details including phone number, email, and postal address, photocopies of the educational/professional qualifications and publications (if any) must be emailed to the PI, **Dr. R. Mayil Murugan** at murugan@iitbhilai.ac.in so as to reach him by May 10, 2024 (5.00 pm). Applications without the **Application Form** shall not be considered. Only shortlisted candidates will be called for an interview through hybrid online and offline, and no TA/DA will be paid for attending the interview. Candidates should make their own arrangements for their stay. The positions are available immediately.

Last date: The application must reach the PI, **Dr. R. Mayil Murugan** by on or before May 10, 2024 (5.00 pm).



Note: The candidate selected for the position of JRF will have the option to register for PhD program at IIT Bhilai in the appropriate department. However, for admission to a Ph.D. program at IIT Bhilai, the candidate must meet specific eligibility requirements and qualify for the separate written examination and interview conducted by IIT Bhilai.

Condition:

- I. No TA/DA will be provided to the candidate for the interview.
- II. The PI shall not be responsible for any reason for non-receipt of the document at the specified time, which will result in disqualification/rejection of the application.
- III. The decision of the selection committee will be final.
- IV. If the number of shortlisted candidates called for the interview is large, the selection committee may decide to restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- V. The appointment of the candidate will be governed by the terms and conditions of the Institute/ funding agency particularly applicable to the said project as and when required.
- VI. The selected candidate will have to join duty immediately upon receipt of the offer.
- VII. The fellowship may be terminated with a 30-day notice before completion of the tenure if performance to date is not deemed satisfactory.