



Advertisement for the post of JRF (Junior Research Fellow), the Inclusivity Research Grant (IRG) Anusandhan National Research Foundation (ANRF)-funded project

Applications are invited from suitable candidates for the position of Junior Research Fellow (JRF) to work in the Inclusivity Research Grant (IRG)-Anusandhan National Research Foundation (ANRF)-funded project vide sanction order no. ANRF/IRG/2024/001194/LS.

Title of the project: Synthesis, Characterization, and Antimicrobial Evaluation of Rhamnolipid Derivatives: A Promising Approach to Combat Antimicrobial Resistance

Duration of the project: 3 Years

*The appointment will be on a **purely temporary basis**, and periodic performance evaluations will be conducted throughout the tenure.*

Project position and Number: JRF (Junior Research Fellow)-01

Fellowship amount: Rs. 37000/- + 20% HRA as per institute/project norms.

Eligibility requirements: GATE/NET qualified in the relevant discipline. M.Tech/M.Sc/B.Tech in Biotechnology/Microbiology/Environmental Biotechnology/Biochemistry/Life Sciences or related branch/allied areas from a reputed University/Institute in India with 1st class/division in their UG and PG degrees.

Desirable Knowledge: Candidates with knowledge in biosurfactant synthesis (especially rhamnolipids) and expertise in chemical modification to enhance bioactivity, along with peer-reviewed publications in relevant areas, will be preferred.

Age Limit: Below 32 years.

Job Profile:

In this project, the selected candidate will be working on the following-

- 1) Synthesis and modification of bioactive compounds, focusing on enhancing antimicrobial properties.
- 2) Optimization of experimental conditions and characterization using standard spectroscopic and chromatographic techniques.
- 3) Biological evaluation, including antimicrobial and cytotoxicity assays against relevant microbial strains.
- 4) Computational analysis to study molecular interactions and support experimental findings.
- 5) Preparation of scientific reports and manuscripts and exploration of potential applications of the developed compounds.

How to Apply

Interested candidates meeting the above criteria may send their applications in the prescribed format, along with a cover letter and a **detailed CV (as a single PDF file)** including educational qualifications, research experience, and publications (if any) **within one month from the date of this advertisement** to the following email: meenass@nitj.ac.in
Please write Subject line: Application for JRF under IRG-ANRF funded project

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Note:

- ❖ The appointment of the Project staff will be **purely temporary/ad-hoc/contractual basis** and valid for the period mentioned above or until the services are required by the Project PI, whichever is earlier.
- ❖ The services of the project staff will be liable to termination at any time without any notice and without assigning any reason.
- ❖ The appointment shall be specifically for the aforesaid project, and staff members will not have any claim/right to any post in the Institute.
- ❖ Mere possession of the minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the project requirement.
- ❖ **THE LAST DATE OF SUBMISSION OF THE ONLINE APPLICATION IS WITHIN ONE MONTH FROM THE DATE OF THE ADVERTISEMENT**
- ❖ Hard copies of the application form and documents are not required to apply for the post. However, the selected candidate is required to bring all original documents along with them for verification at the time of joining.
- ❖ Only the shortlisted candidates will be called to appear for the interview, and no other communications in this regard will be entertained.
- ❖ The interview schedule information will be **communicated via email only**, as provided by the candidate in their application. The interview will be conducted in a **hybrid mode (online or offline)**.


Dr. Sumit Singh Meena

(Principal Investigator),


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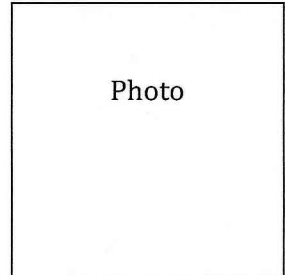
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**Application form for JRF (Junior Research Fellow)-Inclusivity Research Grant (IRG),
Anusandhan National Research Foundation (ANRF)-funded project sponsored project
(ANRF/IRG/2024/001194/LS)**

1. Name of the applicant (in full block letters):
2. Father's/Mother's/Guardian's/Husband's Name:
3. Date of birth:
4. Sex (Male /Female):
5. Marital status (single/married):
6. Category: SC/ST/OBC/PWD/General:
7. Address of communication:



Mobile no:

Email:

8. Educational Qualifications: (From the 10th or equivalent onwards, self-attested copies to be enclosed)

Examination passed	Year of passing	University/Board	Division/ Class / % of Marks*	Subjects

9. Professional Experience (if any)

S.No.	Designation	Name of Organization	Period		Nature of Work
			From	To	

10. Research Publication (if any, attach a separate sheet):

11. Awards, patents, prizes etc (if any):

12. Any other information relevant to the post (if any):

13. GATE/NET/Any other: Qualified (Yes/No):

Score: _____, Rank: _____, Year: _____, Specialization: _____,

14. Interest in joining the post:

15. Contact details of two referees:

(1) Name:Designation..... Organization..... Email.....

(2) Name:Designation..... Organization..... Email.....

DECLARATION: I do hereby declare that the above information I furnished is true and correct to the best of my knowledge.

Place:

Date:

Signature of the applicant*List of enclosures:*