



NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

ADVERTISEMENT FOR THE SELECTION OF JUNIOR RESEARCH FELLOW (Form – E-3)

Advertisement for JRF recruitment under a research project

Project title	Development of Engineered Biocatalyst for Bioelectrochemical Conversion of CO ₂ to Formic Acid
Sponsoring agency	Department of Biotechnology (DBT)
Position title	Junior Research Fellow (JRF)
Duration (in years)	2 years or till closure of the project whichever is earlier. Performance evaluation will be done each year.
Number of position(s)	One (1)
Essential qualification	Category A: B.E./B.Tech. in Biotechnology/Industrial Biotechnology/Biochemical Engineering/Biosciences & Bioengineering/Chemical Engineering/Biochemistry/Electrochemistry/Materials Science/ Environmental Engineering (or related fields) CGPA ≥ 7.0/10 or 65% (GEN/OBC/EWS) CGPA ≥ 6.5/10 or 60% (SC/ST/PwD) Valid GATE or CSIR-NET score preferable Category B: M.Tech./M.Sc./M.S. (minimum 2-year program) in Biotechnology/Industrial Biotechnology/Biochemical Engineering/Biosciences & Bioengineering/Chemical Engineering/Biochemistry/Electrochemistry/Materials Science/ Environmental Engineering (or related fields) Minimum 60% or 6.5 CGPA at UG & PG (GEN/OBC/EWS) Minimum 55% or 6.0 CGPA at UG & PG (SC/ST/PwD) Valid GATE or CSIR-NET score preferable
Age limit	The maximum age limit is 28 years for the GEN/ GEN-EWS category, 31 years for OBC-NCL, and 33 years for SC/ST/PwD/Female candidates.
Desired qualifications	✓ Hands-on experience in culturing and maintenance of microorganisms/enzymes involved in CO ₂ reduction, Enzyme immobilization techniques and stability studies ✓ Strong analytical skills for product analysis using HPLC / GC / IC / UV-Vis spectroscopy for formic acid and intermediates ✓ Passion for research in biocatalysis, electrochemistry, or CO ₂ conversion technologies
Emoluments	₹37,000 per month.
Job nature	The selected candidates need to work on development of engineered biocatalysts and bioelectrochemical conversion of CO ₂ to formic acid.
Other benefits	The selected candidates may register for PhD as per institute rules. However, s/he needs to apply for PhD position when the advertisement is open.
How to apply?	Complete the application (as proforma attached/link provided) and submit via Google Form along with the Bio-data/CV and scanned copy of certificates in a single PDF file. Google form link: https://forms.gle/EYZw5rwcdkNRfq4i7
Submission mode	Soft copy through email (leela.manohar@nitw.ac.in) and google form
Last date to apply	29/01/2026
Whom to contact?	Prof. Leela Manohar Aeshala Principle Investigator Department of Chemical Engineering National Institute of Technology Warangal – 506004, Telangana State, India
Contact Email ID	leela.manohar@nitw.ac.in
Please note:	<ul style="list-style-type: none">○ The position is purely temporary○ Please enclose a brief resume/ curriculum vitae/ biodata along with the applications form○ List of eligible candidates will be announced on the institute website and also intimated through email or phone.○ Shortlisted candidate will have to attend an interview (ONLINE/OFFLINE)○ If Interview need to be conducted online, candidates are expected to have good internet connection○ No TA/DA will be paid for attending interview

APPLICATION FOR THE POSITION OF JRF POSITION
Department of Biotechnology
National Institute of Technology Warangal
Advt. No. NITW/2025/Ch.E/LMA/DBT dated 01/01/2026

(Please enclose a copy of bio-data/ resume/ curriculum-vitae)

1. Name of the candidate

2. Father's name

3. Date of birth (DD/MM/YYYY)

4. Sex Male/ Female

5. Marital status Single/ married

6. Category GEN/GEN-EWS/OBC-NCL/SC/ST

7. Educational qualifications

Degree	Specialization/ subjects	Board/ University	Year of passing	Class	Percentage/ CGPA
SSC					
Intermediate					
B.Sc./ B.E./B.Tech					
M.Sc./ M.Tech./MS					

8. GATE/ CSIR-UGC-NET/ ICMR/ UGC-NET/DBT-SRF score earned/ qualified

Score	Year appeared	Score	All India rank
GATE/ NET/ mention			

9. Research/Industrial/Teaching experience

S.No.	Organisation/ industry served	Date/ Month of entry	Date/ Month of leaving	Months/ Years of experience

10. Publications/ conference participations

11. Any other relevant information

12. Contact email and phone number

Declaration

I hereby declare that all statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of the information being found false or incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled. I confirm, that I am available for ONLINE interview, if necessary.

Date:

Signature of the candidate