



NATIONAL INSTITUTE OF TECHNOLOGY
Warangal- 506004, Telangana State, India
DEPARTMENT OF CHEMICAL ENGINEERING

Advt. No. NITW/ChE/ASR/DST/JRF/2021

Date: 04-02-2021

Advertisement for Junior Research Fellow

Applications are invited from the interested candidates for two temporary positions of **Junior Research Fellows (JRFs)** to work in a Department of Science & Technology sponsored Project entitled “**Development of Advanced Automatic Control based Wastewater Treatment Process towards Sustainable Water-Food-Energy Nexus**”.

Details of qualifications, Emoluments and duration are given below:

Name of position	Junior Research Fellow (JRF)
Number of Positions	2
Essential Qualifications	First class with not less than 60% aggregate (or) not less than 6.5 CGPA on a 10 point scale in B. Tech./B.E. in Chemical Engineering/Environmental Engineering/Civil Engineering/Instrumentation and Control Engineering/Biotechnology or relevant discipline and First class with not less than 60% aggregate (or) not less than 6.5 CGPA on a 10 point scale in M.Tech in Chemical Engineering / Environmental Engineering / Process Control & Instrumentation / Process Control / Instrumentation & Control Engineering or related specialization. and Qualified in GATE exam
Nature of work	<ul style="list-style-type: none">• Experimental work to characterize the wastewater using respirometry• Collection of wastewater samples• Development of mathematical models for activated sludge processes consisting of sequencing batch reactor (SBR)• Simulation studies on wastewater treatment plant layouts using MATLAB and GPS-X software tools.• Development and implementation of advanced control schemes on SBR based wastewater treatment plants.• Analysis of water-energy-food nexus
Duration	3 Years
Consolidated salary	31,000/- + 16% HRA per month for first 2 years and 35,000/- + 16% HRA per month in the third year. The selected candidate is eligible for on campus Hostel & Dining facilities at their own expenses as per institute rules. Note: Salary is paid as per the guidelines of DST from time to time and fund received in each year.
Other Benefits	The selected candidate is eligible to register for PhD degree at NIT, Warangal.

Interested and eligible candidates may email the pdf files (filled application form, CV and supporting documents) to seshagiri@nitw.ac.in on or before **01-03-2021**. The interview date will be communicated to the eligible candidates through e-mail or phone. Interview will be held virtually through Google meet.

Candidates who are already employed should produce 'No objection Certificate' (NOC) from the employer. Candidates should provide provisional degree certificate or its equivalent at the time of interview. The selected candidate is expected to produce a Relieving Certificate from their employer or provisional degree certificate in case of students and join the duties within a week after intimation of their selection. Else, the position would be offered to a candidate in waiting list. If more time is required to join, they should take permission from the principal investigator.

Dr. SESHAGIRI RAO AMBATI

Principal Investigator, Associate Professor, Department of Chemical Engineering

National Institute of Technology, Warangal - 506004, Telangana, India.

Email: seshagiri@nitw.ac.in , Mobile: 9840284098

APPLICATION FORMAT

Ref.: Advt. No. NITW/ChE/ASR/DST/JRF/2021 dated 04-02-2021

Full name						
Date of birth						
Detailed qualifications (starting from B.Tech/B.E.)	B.Tech/B.E.			M.Tech./M.E.		
	Branch & CGPA/%	Year	University	Specialization & CGPA/%	Year	University
GATE score	Score			Year		
Current Position and Organization, if employed						
Experience (academic/research)						
Complete Contact address						
Mobile number						
Email ID						
Publications in journals (if any)						
Publications in conferences (if any)						
Any other relevant information						

Signature of the Candidate with date