



# National Institute of Technology Warangal

(An Institute of National Importance)

Warangal- 506 004, Telangana State, India

## Department of Metallurgical and Materials Engineering

NITW/MME/RAK/ECR/2018/JRF/ADVT/

Date: 13/07/2018

### ADVERTISEMENT

Applications are invited for a temporary post of **Junior Research Fellow (JRF)** to work in the Science and Engineering Research Board (SERB) sponsored project entitled “**Development of high vibration damping composite layers through friction stir processing**”, sanctioned by Department of Science and Technology(DST), Government of India. Details of qualification, emoluments and other details are given below.

Name of the position	Junior Research Fellow (JRF)
Essential qualification	B.Tech or B.E. or Equivalent degree in Metallurgical and Materials Engineering/ Mechanical Engineering & M.Tech. or M.E. or Equivalent degree in Metallurgical and Materials Engineering and related specializations with minimum 60% aggregate marks (CGPA $\geq$ 6.5/10) in UG& PG to qualify under OC / OBC category and minimum 55% aggregate marks (CGPA of $\geq$ 6.0) for candidates under SC/ST/PwD category. Note: GATE score is mandatory.
	<b>OR</b>
	B.Tech or B.E. or Equivalent degree in Metallurgical and Materials Engineering with valid GATE score and at least CGPA of 8.0/10 or 75% of marks under OC/OBC category and at least CGPA of 7.5/10 or 70% for candidates under SC/ST category.
Desirable requirements	Knowledge and experience (at master's level project work) in simulation packages e.g. COMSOL, ANSYS, DEFORM
Duration	3 years
Salary (Consolidated)	₹25,000/- pm for first two years and ₹28,000/- pm for third year. The selected candidate is eligible for on campus Hostel & Mess facilities at their own expenses.
Other benefits	There is a provision to register for pursuing PhD programme at NIT, Warangal.
Outline of the work to be performed	Conduct friction stir processing of Al alloys and measure vibration damping properties of processed samples using dynamic mechanical analyser and impulse excitation method.

Applications (format is attached), along with complete bio-data with passport size photograph, copies of supporting documents, publications, and experience, shall be sent as hard copy by post to the address mentioned below latest by **3 August 2018** and scanned copies (all documents in a single PDF file) can be sent by email to **arockia@nitw.ac.in**. The interview date will be communicated to the eligible candidates through e-mail or phone. Candidates who are already employed should produce relieving certificate from their employers if selected. **No TA/DA will be paid for attending the interview.**

### Address for correspondence and to send applications

**Dr. R. Arockia Kumar**

Assistant Professor

Department of Metallurgical and Materials Engineering

National Institute of Technology, Warangal

Warangal 506 004, Telangana State

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**Application format for the post of Junior Research Fellow**

1. Title of the Research Project: **Development of high vibration damping composite layers through friction stir processing**
2. Name of the applicant:
3. Address for correspondence (Including Email and Mobile number)
4. Social category: OC/OBC/SC/ST
5. Academic qualifications (from HSC/ 12<sup>th</sup> standard onwards)

Qualifying degree	University/ Board	Main subjects/ Discipline	Year of passing	%/ CGPA	Class/ Division
HSC					
B.E/B.Tech.					
M.E./M.Tech.					

6. GATE Score: \_\_\_\_\_ All India rank in GATE: \_\_\_\_\_
7. Publications/ Conference participations (if any):
8. Any other relevant information:

Place:

Date:

Signature of the applicant