

ANNAMALAI UNIVERSITY
Annamalai Nagar – 608002, Tamil Nadu
Department of Mechanical Engineering

**ADVERTISEMENT NOTIFICATION FOR THE RECRUITMENT OF
JUNIOR RESEARCH FELLOW (JRF)**

Applications are invited from eligible and interested candidates for the position of **Junior Research Fellow (JRF)** under the Ministry of Mines, Government of India Research Project titled:
“An Examination into the Innovative Applications of Aluminothermic Reduction to Recover Zinc from Electric Arc Furnace Dust”

Project No.: SNTMOM/1285/2024

Details of the Position

Position:	Junior Research Fellow
Number of Posts:	One (01)
Project Duration:	18 Months
Fellowship:	₹37,000/-
Place of Work:	Department of Mechanical/ Mining Engineering, Annamalai University


REGISTRAR
ANNAMALAI UNIVERSITY

Essential Qualification Required

Candidates should possess:

PhD scholar/ completed or M.E./MTech/B. E with Gate score in Mechanical Engineering, Manufacturing Engineering, Chemical Engineering, Metallurgical Engineering, Materials Engineering, MSc chemistry or allied disciplines with NET score or other equivalent. Eligibility as for **CSIR norms**.

Preference will be given to candidates having knowledge or experience in:

- Materials characterization techniques such as SEM, EDX, XRD, XRF and TGA.
- Metallurgical process development and metal recovery.
- Waste-to-resource technologies.
- Experimental data analysis and technical report preparation.
- Scientific publication and research project activities.

Nature of Work

The selected candidate will be involved in:

- Characterization of Electric Arc Furnace Dust (EAFD).
- Aluminothermic reduction experiments.
- Reactor operation and optimization.
- Material characterization using advanced analytical techniques.
- Data analysis, report writing and preparation of journal publications.
- Assistance in project execution and documentation.

Age Limit

Preferably below 35 years as on the closing date of application. Age relaxation will be applicable as per Government of India norms.

How to Apply

Interested candidates may send their detailed Curriculum Vitae along with application and copies of educational qualifications, experience certificates and other relevant documents to the address given below within 15 days from the date of publication of this advertisement.

Address for Correspondence

Dr. P. Premkumar
Principal Investigator
Associate Professor
Diploma in Mining Engineering Programme
Annamalai University
Annamalai Nagar – 608002, Tamil Nadu
Email: ppklmeau@gmail.com
Mobile: [9894977835](tel:9894977835)

Selection Procedure

Shortlisted candidates will be informed through email and/or phone and will be called for an interview. The date and venue of the interview will be communicated separately.

Important Instructions

- The position is purely temporary and co-terminus with the project.
- The appointment does not confer any right for regular employment in Annamalai University.
- Only shortlisted candidates will be called for an interview.
- No TA/DA will be paid for attending the interview.
- Candidates should produce original certificates at the time of interview.
- The decision of Annamalai University regarding selection shall be final and binding.
- The University reserves the right to cancel the recruitment process without assigning any reason.

THE LAST DATE FOR SUBMITTING APPLICATIONS IS 15.07.2026.



Dr. P. Premkumar
Principal Investigator
Ministry of Mines and NLCIL
Sponsored Research Project
Annamalai University

**ANNAMALAI UNIVERSITY
DEPARTMENT OF MECHANICAL ENGINEERING
APPLICATION FORM FOR THE POST OF PROJECT ASSOCIATE**

Title of the Project

**An Examination into the Innovative Applications of Aluminothermic Reduction to Recover
Zinc from Electric Arc Furnace Dust**

Sponsored by: **Ministry of Mines**

Name of the Post: Junior Research Fellow

PART – “A”

PERSONAL INFORMATION

1. Name of the Applicant (in Block Letters):
2. Father's / Mother's Name:
3. Date of Birth (DD/MM/YYYY):
4. Age: ____ Years
5. Gender:
 Male Female Other
6. Nationality:
7. Marital Status:
 Married Unmarried
8. Category:
 OC BC BCM MBC/DNC SC ST Others
9. Aadhaar Number:
10. Mobile Number:
11. Email ID:
12. Present Address:

2

**ANNAMALAI UNIVERSITY
DEPARTMENT OF MECHANICAL ENGINEERING
APPLICATION FORM FOR THE POST OF PROJECT ASSOCIATE**

Title of the Project

**An Examination into the Innovative Applications of Aluminothermic Reduction to Recover
Zinc from Electric Arc Furnace Dust**

Sponsored by: **Ministry of Mines**

Name of the Post: Junior Research Fellow

PART – “A”

PERSONAL INFORMATION

1. Name of the Applicant (in Block Letters):
2. Father's / Mother's Name:
3. Date of Birth (DD/MM/YYYY):
4. Age: ____ Years
5. Gender:
 Male Female Other
6. Nationality:
7. Marital Status:
 Married Unmarried
8. Category:
 OC BC BCM MBC/DNC SC ST Others
9. Aadhaar Number:
10. Mobile Number:
11. Email ID:
12. Present Address:

✍

13. Permanent Address:

PART – “B”

1. Educational qualifications

Degree	Department/ Specialization	Institution / University	Year of Passing	Percentage / CGPA
Ph.D.				
M.E. / M.Tech. / M.Sc.				
B.E. / B.Tech. / B.Sc.				
HSC / Diploma				
SSLC				

2. NET/GATE Qualification

Have you qualified NET/GATE or any National Level Examination?

Yes No

If Yes:

Name of Examination:

Registration Number:

Year of Qualification:

Score/Rank:

4. Research Experience

Organization Position Held Period Nature of Work

Total Research Experience: ____ Years ____ Months

5. Publications

a. List of Journal Published

b. List of Journals Published in Conference

6. Technical Skills

Tick applicable areas:

- Biogas Production Biogas Purification Hydrogen Production Technologies Solar Thermal Systems CFD Analysis ANSYS COMSOL MATLAB GC-MS FTIR SEM/EDX XRD Process Design Data Analysis Technical Report Writing Research Publications Patent Drafting Others: _____

7. Awards / Fellowships / Achievements

8. References

Reference 1

Reference 2

9. Documents Enclosed

- Resume/CV SSLC Mark Sheet HSC Mark Sheet Degree Certificates Consolidated Mark Sheets NET/GATE Certificate Experience Certificates Publications Community Certificate Aadhaar Card Passport Size Photograph Any Other Supporting Documents


Declaration

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief. If any information is found to be false at any stage, my candidature may be cancelled.

Place:

Date:

Signature of the Applicant


Lt. Col. Dr. P. PREMKUMAR
Associate Professor
NLCIL-AU Mining Engineering Programme
Annamalai University
Annamalai Nagar - 608 002.
Mobile: 9894977835
E-mail: ppk@meau@gmail.com

1