

No: Advt/ IITT/CSRC/2223/20

Date: 01-02-2023

Applications are invited from eligible Indian nationals for the Junior Research Fellow (JRF) post in a time-bound sponsored project undertaken in the Department of Chemical Engineering.

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| Temporary Position | Junior Research Fellow – 1 |
| Essential Qualification | Master in Agriculture Science/chemistry or Bachelor/Master in Chemical Engineering/ Agriculture Technology/ Food Technology or equivalent discipline NET/GATE qualified candidate will be preferred. |
| Project Title | IKS center for Kalamkari art, natural farming, and food preservation at IIT Tirupati |
| Sponsoring Agency | Indian Knowledge Systems, AICTE, Ministry of Education |
| Consolidated monthly Salary | Rs. 31,000 per month + HRA |
| Principal Investigator | Prof. KSMS Raghavarao |
| Department/Centre | Chemical Engineering |
| Tenure of Assignment | Initially 6 months and will be renewed maximum up to 2 years based on the candidate performance and availability of funds |
| Desired Experience | <ul style="list-style-type: none"> ● Exposure to experimental research on agriculture science and technology is preferred ● Exposure on the food preservation techniques is preferred ● Must be willing to work on natural farming, field studies, and food preservation aspects ● Must be willing to work efficiently in a team environment, self-motivated, and work under a variety of challenging research conditions ● Must have good oral and written communication skills ● Must demonstrate the highest work ethics. |
| Nature of the Work | Decoding the science behind ancient traditional methods of preparation of natural fertilizers and pesticides. Standardization of natural fertilizers and pesticides preparation as well as farming practices according to vriksha ayurveda. Design of equipment for harnessing solar energy Participation in documentation, dissemination, and training mainly for tribal & rural youth |
| Age Limit | Age limit- Not more than 30 years. (Relaxed for exceptional candidates) |
| Last date application | 15 th February 2023 |

Eligible candidates must send a **detailed CV (maximum 2 pages)** specifying their qualifications and experience **and a brief statement of purpose** on or before 15th February 2023 to Prof. KSMS Raghavarao, Professor, Department of Chemical Engineering, IIT Tirupati (Email: raghava@iittp.ac.in)

The statement of purpose must include responses to the following questions:

1. What motivates you towards pursuing the JRF position? (max. 200 words)
2. Describe your research interests in the advertised area. (max. 300 words)
3. Explain, how your prior research experience will be suitable for this project. (maybe explained using schematics, figures, flowcharts, and relevant references). (max 500 words)

The shortlisted candidates will be informed by **Email only**. Selection will be based on the qualification, experience, and interview. **The interview and other logistics will be conducted via hybrid mode**. The interview date will be notified to the shortlisted candidates by Email. The candidate may appear in the interview through video conferencing. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.

Note: No TA/DA shall be paid to candidates appearing for an interview online or offline. Selected candidates will need to join their duty within two weeks of acceptance of the offer for the fellowship.

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