
JRF Position in Chemistry/Material Science

Applications are invited for the Junior Research Fellow (JRF) position for the project entitled “**Synthesis of Thermo-chromic Nanoparticles for the Fabrication of Energy efficient Smart window coatings**” at Center for Nano and Materials Sciences (CNMS), JAIN (deemed-to-be) University, Bangalore, Karnataka, under the guidance of **Dr. Gurunatha Kargal**.

The objective of this project is to synthesize highly strained, anisotropic and core-shell Vanadium dioxide (VO₂) nanoparticles and their composites and use them for smart window coatings.

Qualifications and Experience:

1. M.Sc. in Chemistry, Materials Science. Candidate should have obtained at least 60% marks in qualifying degree examination.
2. Preference will be given to CSIR-UGC, NET (JRF/LS) or GATE qualified candidate.
3. Candidate having hands-on experience in colloidal synthesis, hydrothermal synthesis will be given preference.

Stipend: The JRF will be paid stipend as per norms of university and experience. The salary and appointment terms are consistent with the current rules for Ph.D. degree students.

Duration: Initial appointment for one year, extendable up to 3 years based on the performance. The objective of the 3 year position should be aimed at obtaining a **doctoral degree (Ph.D.) (Chemistry/Materials Science)** at the JAIN (Deemed- to-be) University Bangalore, Karnataka with peer reviewed publications.

How to apply: The application should contain detailed resume (including experience details and names of the two references), contact details and photocopies of educational / professional qualifications send directly on email (gurunatha.kl@jainuniversity.ac.in)

The position is open until filled. Shortlisted candidates will be called for the interview and intimidated by email.

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