



**Advertisement for Project Associate (JRF)/ Project Scientist in DST Project**

Date: 21<sup>st</sup> November 2017

Applications are invited for post of Project Associate (JRF) in the DST funded project at IIT Mandi. Please send your email with subject letter (DST JRF Application 2017).

**Title of Research Project:** *Suitability of higher modeling approach for reactive solute transport through heterogeneous porous medium: experimental and numerical study.*

**Detail regarding project:** This project aims to identify the suitable model to simulate the experimental data filtered through heterogeneous porous medium. The study will be helpful in proposing the most suitable model, for similar transport conditions. In addition, it is a novel approach in which comprehensive evaluation of four different models will be implemented, and it will lead to conclude whether complex or basic modelling approach should be employed. This project also focuses on developing a high-resolution comprehensive data set of reactive, nonreactive and heavy metals chemical transport through heterogeneous porous mediums for wider pecllet number range. Two types of heterogeneous porous medium will be considered, stratified porous medium, which is an elementary heterogeneity, and heterogeneous soil column, which mimics the field conditions to those, found in natural soil.

**Joining date:** As Soon As Possible

**Principal Investigator:** Dr D. Swami (PI), School of Engineering, IIT Mandi

**Position:** Project Associate (JRF)/ Project Scientist/ Project Engineer

**Salary:** INR 20,000/- to 25,000/-

**Duration:** Till July 2020

**Minimum Qualification:**

M.Tech./M.E./M.S in Water Resources/ Groundwater/ Hydraulics/ other related subjects/ or equivalent. GATE qualification is mandatory for JRF positions with

**Desirables:** Good programming skills (Preferably Fortran); Good command over English language and technical writing in English.

**Age Limit:** The upper age limit for JRF shall be 28 years. Age relaxation: upper age limit is relax up to 5 years for SC/ST/OBC/Women and physically handicapped candidates.

**Last date of Application:** November 30, 2017

**Date of Interview:** December 8, 2017 (Tentative)

Date of Interview will be intimated over email of shortlisted candidates.

No TA/DA will be paid for attending the interview. In future, JRF may get PhD admission in fulfilling admission criteria of IIT Mandi. However, PhD position is not guaranteed.

Note: Interested and eligible candidates are encouraged to send their CV to [deepak@iitmandi.ac.in](mailto:deepak@iitmandi.ac.in) and may contact on 08628039502.