

Indian Institute of Technology Mandi  
Mandi, Himachal Pradesh-175005



भारतीय प्रौद्योगिकी संस्थान मंडी,  
मंडी, हिमाचल प्रदेश-175005

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

Online Interview for the post of Project Associate (JRF) in the DST funded project at IIT Mandi.

**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 dataset of reactive, non-reactive and heavy metals chemical transport through heterogeneous porous mediums for wider Peclet 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-I/ (JRF)

**Salary:** Max. up to INR 31,000/-

**Duration:** Till July 2021

**Minimum Qualification:**

M.tech./M.E./M.S in Water Resources/ Groundwater/ Hydraulics/Irrigation other related subjects/ or equivalent. GATE, NET qualified candidates will be preferred.

**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 relaxed up to 5 years for SC/ST/OBC/Women and physically handicapped candidates.

**Last Date of sending CV:** 14 Dec. 2020 via online on following google link

**<https://forms.gle/HJvCiRyaqpmBquGS8>**

**Note:** Merely fulfilling the eligibility requirement does not guarantee shortlisting for interview; additional criteria may be imposed for shortlisting.

**Date and time of the interview along with the meeting link will be shared by email to the shortlisted candidates**

In future, JRF may get PhD admission in fulfilling admission criteria of IIT Mandi. However, PhD position is not guaranteed.