



Birla Institute of Technology & Science, Pilani
K K Birla Goa Campus

22-Dec-2021

JRF position under ICMR funded project

Applications are invited for the position of **Junior Research Fellow** in the Department of **Biological Sciences** at BITS Pilani, K. K. Birla Goa Campus, Goa for an **ICMR** sponsored research project titled **“Design of “smart” scaffolds incorporating nano-bioactive molecules for treatment of type 2 diabetes mellitus associated chronic wounds”** (No. 5/4/5-19/Diab./2 I-NCD-III).

Principal Investigator: Prof. Meenal Kowshik

Co-Investigators: Dr. Jyutika Rajwade (Agharkar Research Institute, Pune) and Dr. Indrani Talukdar

Broad area of Research: Development of biocompatible nano-Cellulose-Chitosan-Collagen composite scaffolds and incorporation of antimicrobial and antioxidant molecules; and growth factors within the matrix for controlled release. Evaluation of the scaffolds in *in vitro* and *ex-vivo* wound healing models and study their efficiency in treating type 2 diabetes mellitus induced chronic wound conditions in mouse model.

Duration of the project: 3 years

Fellowship Amount (Rs.): 31000 pm

Accommodation: Hostel accommodation will be provided subject to availability and will be governed by the rules and regulations of the Institute prevailing at the time of joining of the candidate.

Qualification: M.Sc. degree in Biotechnology/ Microbiology/Biochemistry/ Nanotechnology or M.Tech/M.E.(Biotechnology/nanotechnology) graduates from reputed University/Institute with First class or equivalent grade. It is desirable that the candidate has qualified NET/GATE. Prior exposure to animal cell culture techniques and/or tissue culture techniques will be an advantage.

How to Apply: Interested candidates may send application and curriculum vitae with details of research experience to the principal investigator (email: meenal@goa.bits-pilani.ac.in) **by 2-Jan-2022**. Only shortlisted candidates will be contacted via e-mail for online interview.

Selected candidate will get a chance to apply for PhD degree at BITS Pilani, K K Birla Goa Campus (Rules of PhD program for BITS Pilani are applicable)



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