



Birla Institute of Technology & Science, Pilani

Pilani Campus

Sponsored Research and Consultancy Division (SRCD)

CALL FOR RESEARCH STAFF POSITION

Date: 28 October 2022

About: Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF)/ Project Associate-1 in a time bound research project for a temporary period purely on contractual basis as per the following details:	
Position:	Junior Research Fellow (JRF)/Project Associate-1
Number of Vacancy:	01
Project Title:	Tweaks of triplet state photochemistry for human health and disease research
Funding Agency:	Department of Science and Technology (DST)
Principal Investigator:	Dr. Avik Kumar Pati, Department of Chemistry
Project Tenure:	5 Years
Job Description:	During training, the candidate will be responsible for leading organic fluorophore synthesis, photophysical, photochemical and computational pursuits in a goal to develop state-of-the-art fluorescence imaging probes. The overarching purpose of the project is to mechanistically understand, repair and fix bad photophysical and photochemical habits of traditional fluorescence imaging probes so that they can be used for challenging biological applications pertaining to human health and disease research. Candidate will also work collaboratively with our national and international collaborators to achieve specific mechanistic and biological application goals to enable these research initiatives. The candidate's additional responsibility will be to work with other member(s) of the group to expedite the progress of the current research area. Correspondingly, the candidate is expected to serve in an active role seeking to publish primary research manuscripts and plenary review articles at the frontiers of fluorescence research.
Qualification:	Master of Science (M.Sc.) degree either in chemistry or in physics or in a related field with excellent academic performance record. <i>Desirable:</i> Experiences in organic fluorophore synthesis, photophysical studies, and quantum chemical calculations. GATE/NET qualified.
Upper Age Limit	Age not exceeding 35 years as on the date of interview. Age relaxation is allowed up to 5 year for SC/ST/PH/OBC/WOMEN candidates.
Fellowship:	31,000/- (initially first two years) and Rs 35,000 (afterward till the end of the project) per month for NET/GATE qualified candidates. 25,000/-(initially first two years) and Rs 28,000 (afterward till the end of the project) per month for non-NET/GATE qualified candidates.
Registration for PhD.:	Selected candidates will be given the opportunity for a full time PhD program at BITS, Pilani as per the institute norms.

How to Apply:

Applications along with updated CV should be sent through mail to avik.pati@pilani.bits-pilani.ac.in. Shortlisted candidates will be informed for the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. Please note that only qualified and suitable candidates will be called for an interview.

Application Deadline: 07th December 2022

Contact Email: avik.pati@pilani.bits-pilani.ac.in

