



# Birla Institute of Technology & Science, Pilani

Pilani Campus

Sponsored Research and Consultancy Division (SRCD)

## CALL FOR RESEARCH STAFF POSITION

**Date: 17 October 2022**

<b>About:</b> 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:	
<b>Position:</b>	Junior Research Fellow (JRF)/Project Associate-1
<b>Number of Vacancy:</b>	<b>01</b>
<b>Project Title:</b>	Self-assembly to Photonic Crystals using DNA-Coated Anisotropic Colloids
<b>Funding Agency:</b>	SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
<b>Principal Investigator:</b>	<b>Dr. Pritam Kumar Jana</b> , Department of Chemistry
<b>Project Tenure:</b>	2 Years
<b>Job Description:</b>	We will develop design rules to achieve a specific structure using DNA-functionalized anisotropic colloids as a building block. We will also explore the photonic properties of the obtained structures. As it is a computational-based project, JRF will design the model of DNA-coated colloids and perform numerical simulations. He/she will also write research papers in indexed journals, conferences, and patents.
<b>Qualification:</b>	Master's degree (or equivalent) in chemistry, physics, applied mathematics, engineering, computational science/informatics from reputable universities, or a related field with outstanding performance record. Candidates with experience in molecular simulations, high-performance computing or any related field will be favoured. <i>Desirable:</i> GATE/NET qualified.
<b>Upper Age Limit</b>	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.
<b>Fellowship:</b>	31,000/- per month for NET/GATE qualified candidates. 25,000per month for non-NET/GATE qualified candidates.
<b>Registration for PhD.:</b>	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 [pritam.jana@pilani.bits-pilani.ac.in](mailto:pritam.jana@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: 15<sup>th</sup> November 2022**

**Contact Email:** [pritam.jana@pilani.bits-pilani.ac.in](mailto:pritam.jana@pilani.bits-pilani.ac.in)

