

Advertisement for Junior Research Fellow Dept. of Chemical Sciences, IISER Kolkata

A position for a Junior Research Fellow(JRF) is available in the research group of Dr. Sangita Sen, Assistant Professor, Dept. of Chemical Sciences, IISER Kolkata .The research work involves theoretical development of quantum mechanics based methods and computations using existing programmes. The goal is to compute energy states and properties of atoms and molecules under the influence of an external magnetic field.

Title of project: Exploring Atomic and Molecular Electronic Excitation in Strong Magnetic Fields

• **Number of positions available:** One

• **Funding agency:** DST/SERB

• **Principal Investigator** : Dr. Sangita Sen, Dept. of Chemical Sciences, IISER KOLKATA.

• **Remuneration:** As per DST/SERB rules (Rs. 31000/- plus HRA, if applicable)

• **Tenure:** Till the end of the project duration (03-12-2023 with possibility of extension upto 6 months), depending on the availability of fund and satisfactory performance.

• **Basic Eligibility Criteria:** Highly motivated candidates interested in Physical Chemistry/Physics, with MSc in Chemistry or Physics (minimum 55% marks in MSc or equivalent). Candidates should be NET/GATE/DST-INSPIRE(or equivalent) qualified.

• **Additional experience (desirable):** Candidates should have a strong knowledge and interest in quantum chemistry, light-matter interaction and Zeeman effects of various kinds. Ability to write scripts and codes in Python is essential and knowledge of programming in Fortran and/or C++ is desirable.

• **Relaxation in Age and Academic qualification for SC/ST/OBC etc:** As per govt. of India rules.

◦ **How to apply:**

Eligible candidates may apply with their CV and a cover letter to Dr. Sangita Sen by email : sangita.sen@iiserkol.ac.in

◦ **Last date and time for receiving applications:** 14 days from the date of advertisement

◦ **Interview:** Short-listed applicants may be invited (via email) for an interview. Tentative date of interview:
August 04, 2022

◦ **Conditions:** The interview will be online. No TA/DA will be provided to the candidate for the interview. The decision of the selection committee will be final.