

Postdoctoral Fellow Position in High-Pressure Mineral Physics

A one-year Postdoctoral Fellow position with Dr. Rajkrishna Dutta, Discipline of Earth Sciences, is available with a possibility of extension based on candidate's performance in the first year. The candidate is expected to carry out research in experimental high-pressure mineral physics.

Job Description: The candidate will be required to synthesize and characterize silicate (or its analogs) perovskites and olivines. The samples would then be compressed in a diamond anvil cell and studied using in situ x-ray diffraction and/or spectroscopic techniques at different synchrotron facilities to understand high-pressure phase transitions. The candidate is expected to be able to work independently and mentor PhD students.

Eligibility: PhD in Earth Sciences, Physics, Chemistry or Materials Science with experience in X-ray diffraction/ spectroscopy from reputed institutes with good publication record. Candidates who have submitted their thesis are equally eligible.

Remuneration: 50,000 INR + 10,000 INR HRA, No HRA will be paid if campus housing is availed.

Application Procedure: Candidates must send their application through email to Dr. Rajkrishna Dutta (raj.dutta@iitgn.ac.in) with the following documents in a single pdf file as an attachment:

1. Current CV with list of publications
2. A one-page summary of previous research experience
3. A one-page write up on research plan
4. Name and address of two potential referees

The application screening process will be open until June 30, 2022. However, candidates will be considered beyond the deadline if the position has not been filled.

In case of any queries, please write to: raj.dutta@iitgn.ac.in