



**Rolling Advertisement for Post-Doctoral Fellow**  
**(School of Earth and Planetary Sciences, NISER)**  
**(Research Areas: Updated on 22<sup>nd</sup> July 2019)**

Applications are invited for Post-Doctoral Fellow (PDF) positions in the School of Earth and Planetary Sciences, National Institute of Science Education and Research, Bhubaneswar.

**Educational Qualification:** The candidates should have a Ph.D. or equivalent degree in Physics/Chemistry/Planetary Science/Space Science/Earth and Atmospheric Science from a reputed and recognized Institute or University covering any of the following research areas. Those who have submitted their Ph. D thesis in one of the fields mentioned below are also eligible.

**Research Areas:**

- **Planetary Astronomy and Astrophysics:** *Astrochemistry/Cosmochemistry; Astrobiology; physics of star and planet formation; radio/sub-millimeter/infrared astronomy to study star and planet formation; theory and observations to characterize exoplanetary atmospheres; high resolution spectroscopy of solar-system objects; the origins and composition of comets, planetary astronomy with SKA-India and TMT-India; exoplanets.*
- **Planetary Geology:** *Planetary remote sensing and remote mineralogical/ compositional/ geochemical analysis of planetary bodies in the solar system and related analogues in the laboratory; geochemical analysis of meteorites and their compositional assessment in-situ and remotely; geologic evolution of planetary bodies during early solar system formation.*
- **Atmospheric Science:** *Land-atmosphere coupling processes especially in tropical rain forests and the Himalayas; hydro-climatological impacts of deforestation; convective processes and role of land cover, regional climate change; land surface parametrizations in atmospheric numerical models; extreme events of heat and precipitation under climate change; role of aerosols in modulating atmospheric thermodynamic structure and regional climate.*

**Fellowship and Benefits:** 39,000 – 54,000/- + HRA and Contingency as per DAE norms

The position is purely temporary, and appointment made for a year at a time and extendable to a maximum tenure of three years upon satisfactory academic performance. The postdoctoral fellows selected are expected to work with a specific research group at NISER depending on mutual research interest, however in exceptional cases they can also work independently if the infrastructural requirement supports such an arrangement.

Candidates should send in their applications and arrange for the recommendation letters to reach the Chairperson of the School of Earth and Planetary Sciences through email: [cpseps@niser.ac.in](mailto:cpseps@niser.ac.in)

The applications should have the following documents:

- (a) A covering letter that mentions the specific research area outlined above they would like to be considered in.
- (b) A detailed academic CV, list of publications and names of two academic referees.
- (c) A statement of research interests.

The candidate should arrange for the letters of reference to reach the chairperson of the school by email within two weeks of the date of application. The candidates who are short-listed based on their CV, research statement and letters of recommendation could be interviewed either in person or through video/internet conferencing before the final selection is made. The positions will remain open until suitable candidates are found.