



भौतिक अनुसंधान प्रयोगशाला, अहमदाबाद

(भारत सरकार, अंतरिक्ष विभाग), नवरंगपुरा, अहमदाबाद 380 009

**Physical Research Laboratory, Ahmedabad**

(Department of Space, Govt of India), Navrangpura, Ahmedabad 380 009

## PRL Junior Research Fellowships (JRFs) – 2023

Advt. No. 08/2023

Applications for Junior Research Fellowships (JRFs) at Physical Research Laboratory (PRL) are invited from highly motivated and dynamic candidates to pursue research in any of the following research topics:

- Surfaces, atmospheres and ionospheres of planets;
- Theoretical modelling and observational studies of physical processes of Mars, Venus, Moon and asteroids;
- Origin and evolution of the solar system objects through laboratory analysis of extraterrestrial material (meteorites and sample return);
- Studies of planetary geology through the data obtained from space missions, data acquired from India's missions Chandrayaan-1, -2, -3, Mars Orbiter Mission, dual-aeronomy satellite mission DISHA, and Aditya-L1;
- Ground-based facilities such as MAST, e-Callisto and GONG, and to develop scientific instrumentation for future experiments for near-Earth space missions and missions to Moon, Venus and Mars;
- Physics of the Sun–Earth interactions;
- Solar–interplanetary–terrestrial coupling, space weather and its effect on society at large, and
- Global warming/climate change.

Selected JRFs will get an opportunity to do fieldwork in remote places on Earth (Antarctica, Oceans including the Arctic region, and the Himalayas – from Ladakh in the west to Arunachal in the east).

A candidate must be an Indian citizen and should have studied at recognized Universities/Institutes in India. The upper age limit is 28 years as on 1 July 2023. Bachelor's and Master's degrees in Science or Engineering with at least a first-class (60%) or equivalent grades at both Bachelor's and Master's levels. Candidates expecting their Master's degree by August 2023 are also eligible to apply, subject to having secured at least a first-class (60%) or equivalent grade(s) up to the last semester.

Applicants should have qualified for any one of the following examinations:

- CSIR-UGC-NET JRF/AP (June 2022) in Physical Sciences/Chemical Sciences/Earth, Atmospheric, Ocean, and Planetary Sciences.
- GATE (2021/2022/2023) in Physics/Geology and Geophysics/Atmospheric and Oceanic Sciences/Chemistry.
- JEST 2023 in Physics.
- UGC-NET JRF/AP (December 2021 and June 2022 (merged cycles)/December 2022) in Environmental Sciences.

More details can be accessed at <https://www.prl.res.in/prl-eng/phd1>. Apply online between **20 May 2023 and 10 June 2023**. Written test and Interviews for the screened candidates will be conducted in offline mode during **26–28 June 2023**. It is the candidate's sole responsibility to ensure the fulfilment of the eligibility criteria as notified on the PRL website. The candidate should fully comply with the procedural requirements and time limits stipulated for submission of the online application. Any deviations from the above would cancel candidature, and any representation on such matters will not be entertained.

DEAN, PRL