



भौतिक अनुसंधान प्रयोगशाला Physical Research Laboratory
(भारत सरकार, अंतरिक्ष विभाग की यूनिट A Unit of Dept. of Space, Govt. of India)
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Advt. No. 08/2023

Applications are invited for the position of Project Associate for a minimum period of one year. This position is for a project funded by the ISRO-GBP and the post is co-terminus with the project duration. Details given below:

Name of the post	No. of vacancy	Age as on last date of application	Qualification	Scholarship per month (Consolidated)
MoES-Project Associate (PA)	1	Maximum 26 years	1. (a) M.Sc. with 55% marks in Chemistry/Earth Science/Oceanography/Physics/ Atmospheric Science or equivalent. (b) CSIR-NET, UGC-NET including lectureship or GATE or JEST	Rs. 31,000/- + HRA as per prevailing rates
			2. M.Sc. with 55% marks in Chemistry/Earth Science/Oceanography/Physics/ Atmospheric Science or equivalent.	Rs. 25, 000+ HRA as per prevailing rates

Project description (Nitrogen and carbon cycling in soils of different ecozones of India: Implications to environmental and climate change)

Climate change and food security are among the major issues of global concern and both of these have relation with terrestrial biogeochemical cycling of nitrogen (N). Nitrogen acts as a nutrient and controls plant growth and productivity. On the other hand, if N is present in excess, it could lead to production of nitrous oxide (N₂O), a potent greenhouse gas; or it could leach to ground water and cause nitrate (NO₃⁻) contamination of the groundwater and other water bodies. Thus, management policies regarding N inputs to achieve a balance between profitable plant productivity and environmentally tolerable levels of NO₃⁻ in water and N₂O in atmosphere are required. This could be attained by understanding the basic N transformations processes in soils of different ecosystems with different management practices. The major objective of the project is to study the rates of N transformation and emission of greenhouse gases from different ecosystems of India in order to understand the N cycling, and in turn, cycling of C, as both these elements are inextricably linked.

Application

Interested candidates may send their application in the prescribed format (see annexure-1 below) through e-mail (with subject “ISRO-GBP-PA”) to the project investigator:

Prof. Sanjeev Kumar
Geosciences Division
Physical Research Laboratory
Navrangpura, Ahmedabad - 380009
E-mail: sanjeev@prl.res.in

Last date of receipt of applications: **15th June 2023**

Terms & Conditions:

1. The above position is purely contractual and co-terminus with the project upon successful annual evaluation of the candidate.
2. Only shortlisted candidates will be intimated for an online interview.
3. Participation in selection process is subject to possessing relevant original documents substantiating online application submitted by the candidates.