



PHYSICAL RESEARCH LABORATORY

Navrangpura, Ahmedabad – 380009, India

Postdoctoral fellow position at PRL

Advt.No. 12/2022

Applications are invited for the position of a postdoctoral fellow for a period of three years. This position is for a project funded by the Ministry of Earth Sciences (MoES) and the post is co-terminus with the project duration. Details are given below:

Name of the post	No. of vacancy	Age as on last date of application	Qualification	Fellowship per month (Consolidated)
Postdoctoral fellow	1	Maximum 35 years	1. Ph. D. in any branch of Oceanography/Earth Sciences/Science Desirable: good understanding of ocean biogeochemical processes.	INR 47000 per month plus HRA (as applicable)

Project description (Patterns and predictors of C:N:P in the low latitude regions)

Availability of nitrogen (N) and phosphorus (P) determine the strength of the ocean's carbon (C) uptake, and variation in the N:P ratio in inorganic nutrients is key to phytoplankton growth. A similarity between C:N:P ratios in the plankton and deep-water inorganic nutrients was observed by Alfred C. Redfield. Recent observations show that the C:N:P deviates from the Redfield Ratio in the Indian Ocean. However, understanding of factors governing C:N:P stoichiometry remains poor. This projects aims to understand the role of physical and environmental variables in controlling marine C:N:P stoichiometry by developing statistical models, and doing laboratory and cruise-based incubation experiments.

Application

Interested candidates may send their application in the prescribed format (see annexure-1, please send a pdf copy of this form) through e-mail (with subject "MoES-postdoctoral fellow") to the project investigator:

Dr. Arvind Singh
Geosciences Division, Physical Research Laboratory
Navrangpura, Ahmedabad - 380009
E-mail: arvinds@prl.res.in

Last date of receipt of applications: **05 January 2023**

Terms & Conditions:

1. The above position is purely contractual, and for a period of three years 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.