



Advt. No. 08/2022

**Research Associate at PRL**

Applications are invited for the position of a Research Associate (RA) 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	Scholarship per month (Consolidated)
Research Associate (RA)	1	Maximum 35 years	1. Ph. D. in any branch of Oceanography/Earth Sciences/Science	INR 47000 per month plus HRA (as applicable)

**Desirable:** good understanding of ocean biogeochemical processes, and strong programming and data mining skills

**Project description (Role of Biogeochemical Processes in controlling marine C:N:P stoichiometry)**

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 using the available dataset procured in recent years.

**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-RA") 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: **5 September 2022**

**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.