



**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. 09/2023

Applications are invited for the position of Project Associate for a period of at least 2.5 years. This position is for a project funded by the Ministry of Earth Sciences 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.	Rs. 31,000/- + HRA as per prevailing rates
			(b) CSIR-NET, UGC-NET including lectureship or GATE or JEST	
			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 (Unravelling the food-web dynamics and energy flow in the northern Indian Ocean using stable isotopes)**

A healthy food web is essential and indicates a vibrant ecosystem. In the marine realm, phytoplankton forms the base of food chain to be consumed by zooplankton and other larger species. There has been significant understanding of the food-chain dynamics in the marine setting, including the northern Indian Ocean. However, the quantitative formulation of the energy flow along the food chain in the northern Indian Ocean is lacking. By using the stable isotopic measurements in the samples collected from the northern Indian Ocean, such a formulation can be devised. Also, under the changing hydrographic and physico-chemical conditions, it is expected that the food-web energy flow may also get affected. Therefore, it would be prudent to understand how the change in salinity, temperature, and

pH condition of the ocean affects the energy flow along the food chain. A thorough field sampling of different components of the food chain followed by the stable isotopic measurements on different spatial and temporal scale may answer these aspects, which would provide better understanding towards potential change in food chain in future.

### **Application**

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

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

Last date of receipt of applications: **15<sup>th</sup> June 2023**

### **Terms & Conditions:**

1. The above position is purely contractual and co-terminus with the project upon successful annual evaluations 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.