

**Center for Atmospheric and Oceanic Sciences and  
Department of Computational and Data Sciences  
Indian Institute of Science  
Bangalore - 560012**

**Advertisement No: BRICS/Jan-2023**

**Date: 17/01/2023**

**Advertisement for Research Position(s)**

Indian Institute of Science (IISc) now seeks to recruit two SRF (or JRF) and one RA posts for a DST funded BRICS - PARADIGM project on ocean modelling and data assimilation.

**Specific Roles & Responsibilities:** The primary task will include the following.

- Setting up and running high resolution ROMS model in multiple regional domains in the Indian Ocean region
- Implement data assimilation schemes for short range forecasts
- Visualize ocean modeling results, and perform comparison of multiple ocean model outputs
- Download and manage global model data

**Essential Qualifications:**

- JRF/SRF – Undergraduate (B.Tech, BE) or M. Sc. Research experience is necessary for SRF position
- RA (Postdoctoral Researcher) – Ph.D.
- Subjects: Oceanography, Atmospheric Sciences, Climate Sciences, Physics, Mechanical, Aerospace, Chemical, Civil, Electrical, Mathematics and Computing, Computational and Data Sciences, Computer Science and Engineering or equivalent subjects.
- Must know: Mathematics (at Engineering UG Level), Software
- Ability to learn new things quickly, at depth and apply them in practice correctly

In all cases, candidates with comfort of working in Linux, use of version control and maintaining code hygiene will be preferred. The candidate is expected to have good communication skills (speaking and writing) and should be willing to work in a team environment.

**Salary** – DST mandated salary applicable for these posts based on qualification and experience. Campus accommodation is not available for project staff.

**Terms of Appointment:** This is a contract appointment, initially for one year and renewable thereafter based on an annual evaluation of performance. Our lab is in IISc Bangalore, and the position is in-person. Remote working options are not available.

**Conversion to Ph.D.:** Outstanding candidates at the pre-doctoral levels will be considered for admission to our regular Ph.D. program and stand a good chance in gaining an accelerated Ph.D. (subject to all IISc norms and regulations)

**Indirect Perks:** Coaching for applying to doctoral programs, faculty positions (for post-docs), teaching opportunities, industry networking, travel to national & international conferences, state-of-the-art computational facilities

**How to Apply:** Interested candidates may send their resume (preferably in pdf format or website), with subject marked "Advertisement No. BRICS/Jan-2023" by email to: [deepakns@iisc.ac.in](mailto:deepakns@iisc.ac.in) and [vinay@iisc.ac.in](mailto:vinay@iisc.ac.in) .

**Online Interview:** If your application is successful, you should appear for an online interview to be scheduled on a mutually convenient time.

**Last date for application:** 1<sup>st</sup> review of applications will be completed on Feb 25, 2023. Thereafter this advertisement will be a standing advertisement until the position is filled.

**Anticipated Start Date:** March 2023

**Principal Investigator (PI):** Prof. P.N. Vinayachandran (<https://caos.iisc.ac.in/vinay.html>)

**Co-PI:** Dr. Deepak Subramani (<http://cds.iisc.ac.in/faculty/deepakns/>)