जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र
जक्कूर, बेंगलुरु - 560064 कर्नाटक, भारत
विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अधीन एक स्वायत्त संस्थान
सम विश्वविद्यालय संस्था

Jawaharlal Nehru Centre For Advanced Scientific Research
Jakkur, Bengaluru - 560064 Karnataka, INDIA
An autonomous institution under Department of Science and Technology, Govt. of India.
An Institution Deemed-to- be-University

JNCASR

Advt. No. EMU/025 Date: 12/11/2026

Applications are invited for the position of Research Associate (RA-I, II or III) to work under the guidance of Prof. Ganesh Subramanian, Engineering Mechanics Unit, JNCASR, Jakkur, Bengaluru 560064. The research, to be carried out in collaboration with Prof. Laxminarsimha Rao, GITAM University, Hyderabad, will focus on two problems in the dynamics of active suspensions.

(1) Understanding swimmer migration-cum-dispersion in unsteady shearing flows with a focus on understanding the origin of oceanic thin phytoplankton layers.

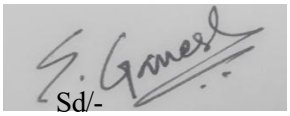
(2) Examining the motion of active swimmers in complex spatially periodic and aperiodic shearing flows, with an emphasis on understanding dispersion in porous media.

Sl. No	Position and Eligibility	Max. Age limit	No. of positions
1.	**Research Associate (RA-I, Rs 58000 pm plus HRA/ RA-II, Rs 61000 pm plus HRA/ RA-III Rs 67000/-pm plus HRA, based on qualification and experience)**		
	Essential Education Qualification: Candidates should hold a PhD in Chemical or Mechanical Engineering, Theoretical Physics, Applied Mathematics, or allied disciplines. **Desirable Qualification:** Candidates must have demonstrated excellence in research (theoretical and/or computational methods) in Microhydrodynamics in general, and preferably, in the field of Active Matter. This expertise should be evidenced by publications in top-tier fluid mechanics/physics journals like the *Journal of Fluid Mechanics*, *Physical Review Fluids, Physical Review Letters*, etc. While candidates under 40 years of age are preferred, relaxation of the age limit may be considered for exceptional candidates.	**35 years**	**01**

Interested candidates are required to send a scanned copy of the duly filled-in application form (available on the website), along with scanned copies of original testimonials in support of educational qualification, age, experience, publication, etc, with a brief resume to Prof. Ganesh Subramanian, Engineering Mechanics Unit, JNCASR, through email (sganesh@jncasr.ac.in), with a copy marked to Mrs. Gayathri (emuoffice@jncasr.ac.in), latest by November 30th, 2026.

Instructions to candidates:

1. Shortlisted candidates will be invited for technical discussion and personal interaction.



Sd/-

Date: 10/11/2026 Signature of faculty Member