



INDIAN INSTITUTE OF SCIENCE BANGALORE 560 012

Indian Institute of Science invites applications for **FACULTY POSITIONS** at the level of **ASSISTANT PROFESSOR** for the following Departments in the Division of Mechanical Sciences from Indian citizens having (i) Ph D with specialization in the appropriate branch, (ii) about 3 years post-doctoral teaching/research experience in the relevant specialization (relaxable in exceptional cases) and (iii) outstanding research record. Applicants must be able to pursue an independent programme of original research and committed to teaching and scholarship.

SPECIALIZATION:

1. **CENTRE FOR ATMOSPHERIC AND OCEANIC SCIENCES:** Dynamics of the oceans/tropical atmosphere/coupled ocean atmosphere systems; modelling of monsoons, ocean and climate, atmospheric boundary layer, atmospheric convection and climate predictability.

2. **CHEMICAL ENGINEERING:** Biochemical engineering/Chemical engineering of materials processing/Chemical reaction engineering/Process analysis, control, design and optimization/ Separation process.

3. **CIVIL ENGINEERING: (Geotechnical Engineering)** Ground improvement/Foundation engineering/Constitutive modelling and computational methods in geotechnical engineering/ Tropical soil engineering.

(Structural Engineering) Materials of construction/Structural mechanics including dynamics, experimental mechanics and fracture mechanics/Computational solid mechanics and Artificial Intelligence (AI), Expert systems (ES) and Artificial neural networks (ANN) applications.

Emoluments: Rs 11,390 p.m. at the minimum of the scale Rs 3700-125-4950-150-5700 (scale of pay under revision).

Applicants may send their curriculum vitae, indicating the Department to which they are applying along with research plan for future work, list of publications, important reprints and names of at least three referees with their addresses including Fax and e-mail addresses to **Prof. S. Ranganathan, Chairman, Division of Mechanical Sciences, Indian Institute of Science, Bangalore 560 012, India** within 2 months of appearance of this advertisement. The referees may be requested to send their assessment simultaneously to Prof. S. Ranganathan (e-mail: dcmec@iisc.ernet.in or Fax: 091-080-3341683, 3340416). Candidates are welcome to contact the Departmental Chairman for further information by visiting the homepage: URL <http://www.iisc.ernet.in>.

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