

**EXPLORE,
EXPERIENCE & ENJOY!**



Open Day **20 26**

**SATURDAY, 7 MAR
9 AM – 5 PM**

★ **LIVE EXPERIMENTS** ★ **SCIENTIFIC DEMOS**
★ **POPULAR SCIENCE LECTURES** ★ **EXHIBITIONS**



**PARTNER WITH US FOR A GREEN OPEN DAY
DO NOT LITTER - SEGREGATE YOUR WASTE
BRING YOUR OWN WATER BOTTLES**

MESSAGE FROM THE DIRECTOR



Prof. Govindan Rangarajan
Director, IISc

It gives me great pleasure to welcome you all to Open Day at the Indian Institute of Science (IISc). The Institute was established in 1909 due to the far-sighted vision of philanthropist and industrialist Jamsetji N Tata, whose birth anniversary falls on 3 March, and is celebrated as Founder's Day. Around the same time, 28 February is celebrated as National Science Day to commemorate the discovery of the Raman effect by Sir CV Raman, a former Director of IISc.

It is in conjunction with these dates that the Institute organises Open Day every year, and throws its doors open to the public, inviting them to experience its activities and facilities first-hand. We welcome you all to visit the campus, to explore, experience and enjoy the wonders of scientific and technological research and innovation at IISc.

LIST OF DEPARTMENTS [\(click to view\)](#)

- [Aerospace Engineering \(AE\)](#)
- [Biochemistry \(BC\)](#)
- [Bioengineering \(BE\)](#)
- [Centre For Atmospheric and Oceanic Sciences \(CAOS\)](#)
- [Centre For Brain Research \(CBR\)](#)
- [Centre For Earth Sciences \(CEaS\)](#)
- [Centre For Ecological Sciences \(CES\)](#)
- [Centre For High Energy Physics \(CHEP\)](#)
- [Centre For Infectious Diseases Research \(CIDR\)](#)
- [Centre For Infrastructure, Sustainable Transportation And Urban Planning \(CiSTUP\)](#)
- [Centre For Nanoscience And Engineering \(CENSE\)](#)
- [Centre For Neurosciences \(CNS\)](#)
- [Centre For Sustainable Technologies \(CST\)](#)
- [Chemical Engineering \(CE\)](#)
- [Civil Engineering \(CIE\)](#)
- [Computational and Data Sciences \(CDS\)](#)

- Computer Science and Automation (CSA)
- Design and Manufacturing (DM)
- Developmental Biology and Genetics (DBG)
- Divecha Centre for Climate Change (DCCC)
- Electrical Communication Engineering (ECE)
- Electrical Engineering (EE)
- Electronic Systems Engineering (ESE)
- Inorganic and Physical Chemistry (IPC)
- Instrumentation and Applied Physics (IAP)
- Interdisciplinary Centre for Energy Research (ICER)
- Interdisciplinary Centre for Water Research (ICWaR)
- Management Studies (MS)
- Materials Engineering (MTE)
- Materials Research Centre (MRC)
- Mathematics (MA)
- Mechanical Engineering (ME)
- Molecular Biophysics Unit (MBU)
- Organic Chemistry (OC)

➤ [Physics \(PHY\)](#)

➤ [Robert Bosch Centre for Cyber Physical Systems \(CPS\)](#)

➤ [Solid State and Structural Chemistry Unit \(SSCU\)](#)

➤ [Supercomputer Education And Research Centre \(SERC\)](#)



BIOCHEMISTRY (BC)

The department of biochemistry was established in the year 1921 and is the oldest Biochemistry department in India and Asia. Nearly 1000 students have graduated from this department thus far and many of them assumed leadership positions in academia and industries in India and abroad. The Department has been carrying out research in frontier areas of biochemistry and molecular biology for the past 100 years. In recent years new areas of research such as synthetic biology, nanobiology, viral immunology, signalling metabolomics have also been added to the department.

The department is famous for its translational research resulting in development of vaccines and diagnostics kits for the society. Multiple successful starts-ups have been spun out by the faculty in this department. We are celebrating the Centenary of the department and an exhibition highlighting past and current research activities as well as historical aspects about the department will be on display in the department for the open day on March 7, 2026.

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CENTRE FOR ATMOSPHERIC AND OCEANIC SCIENCES (CAOS)

CAOS advances weather and climate science by combining field campaigns with theory and numerical modelling. Through major field campaigns, CAOS has improved understanding of monsoon variability, boundary-layer processes, air–sea coupling, aerosol science, and Indian Ocean dynamics, and has shaped research on atmosphere, ocean, and climate dynamics.

Open Day demonstrations

- Weather and Climate Services: live forecasts and satellite imagery, and how observations become actionable information.
- Instruments Corner: anemometer, sling psychrometer, and radiosonde, and how we measure winds, humidity, and the atmosphere aloft.
- Chaos & Weather Prediction: simple systems that reveal limits to weather predictability.
- Ocean Waves: interface waves in the ocean and what they imply for mixing and transport.
- Rotating Table + Ocean Circulation: ocean dynamics in miniature - circulation patterns, fronts, and rotating-fluid dynamics.

- Einstein's Tea Leaves: secondary circulation and shear-flow instability, plus analogies to jet-stream meandering and atmospheric dynamics.
- Vortices in action: how rotating flows form and persist, highlighting the core physics behind coherent structures and rotating storms.
- Stokes Flow: "creeping flow" at low Reynolds number, when viscosity dominates motion.
- El Niño & La Niña: trade winds, upwelling, and coupled ocean-atmosphere variability.
- Solar Geoengineering: what interventions might do, what the downsides can be, and why risks and trade-offs matter.

and more...

More information: caos.iisc.ac.in

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