



SCIENCE FEST
2025

INSTITUTE AND IDEA

Established in 2007, IISER Mohali was the third IISER to come up after Pune and Kolkata. The IISERs were set up to integrate research in the fundamental sciences along with undergraduate education— a combination which was hitherto not seen in the country. Over the years, the IISERs marked their place in the science landscape across the world— with its faculty and students producing work of high standards, and making IISER a venerable brand name at the international level.

The Institute boasts of **cutting-edge research facilities** like NMR, Transmission Electron Microscopy, X-Ray, High Performance Computing, etc. Several faculty from the institute have received numerous national and international awards and have been inducted into the science academies and societies in both India and abroad.

Over the years, researchers from IISER Mohali have achieved significant scientific results. Physicists from the institute have achieved the low temperature of 10 milli Kelvin or -272.99° Celsius, only 0.01 degree more than the minimum possible temperature that the laws of physics allow. Archaeologists have discovered ostrich eggshells in the Upper Siwaliks, providing new insights into the climate of the region. Researchers from all departments regularly contribute significant findings from their fields and **publish in high impact journals**.

IISER Mohali strives towards the translation of research into applicability. The Institute encourages entrepreneurship and **has incubated 35 start-ups** in innovative areas in the past years at Technology Business Incubator.

The **core concept of Tattva is to culture scientific curiosity in society**. Its purpose is to contribute to the idea and pursuit of science at the national level — to be a place where eminent academicians and students from across the country meet, increasing exposure and exchanges involving different fields of scientific research — from the perspective of a national institute.



IISER MOHALI

KEYNOTE SPEAKERS

Eminent Indian scientists from diverse fields will offer their insights, discussing scientific research conducted in India and the trajectory of its progress at the national and global landscape. The focus rests on matters that essentially concern Indian academia, society and its present outlook and future.

- **Dr. Anjan Ray**
- **Dr. Srivari Chandrashekhar**



PANEL DISCUSSION

An illustrious panel of distinguished personalities shall offer diverse perspectives on scientific research and its engagement with Indian society. This discourse appeals to an extensive audience, ranging from those within and beyond the academic sphere. Its main focus is in reviving the age-old dialogue between science and society, in the modern age; primarily to analyse this dynamic and its impact on a national and global scale. The exchange of these differing perspectives and wide-ranging experiences presented by the panel would invoke further discussions amongst the modern-day public — about how society shapes itself through science.

- **Dr. Anjan Ray**
- **Dr. Mahak Sharma**
- **Prof. S S Marwaha**
- **Dr. Sarah Iqbal Haider**



The workshops are student-led efforts of the Academic Clubs of IISER Mohali, in collaboration with the academic departments of the Institute. Its objective is to introduce highly motivated students from across the country to cutting-edge scientific research at an Institute of National Importance. Selected students would participate in workshops conducted in different sciences; to explore particular areas of study and their interdisciplinary natures, with all their practicalities – their methodologies, technologies, and most crucial of all, to be introduced to a way of thinking that is essential to doing science.

These workshops serve as excellent opportunities for hands-on knowledge in different subjects and to gain insights into scientific research done in real time.

WORKSHOPS, EVENTS & COMPETITIONS

The Academic Clubs of IISER Mohali and the National Service Scheme (NSS) unit of IISER Mohali have put together a plethora of competitions and demonstrations. iRISE, the Technology Business Incubator (TBI) at IISER Mohali, conducts its IdeaPhied 3.0, a platform especially designed for young entrepreneurs and early-stage startups. Prepare yourself for a segment with challenging thinking, competitive spirits, and exciting prizes.

Solar Astronomy, Studying Scientific model organisms like Fruit Fly and **Zebrafish**, **LAMMPS Simulation**, **Remote Sensing** workshop and more!!

