



सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH



वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

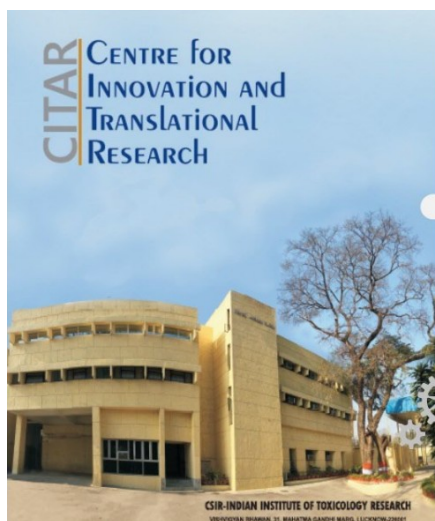
Opportunity for students to pursue internship/project work at CSIR- Indian Institute of Toxicology Research

CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow, invites applications from highly motivated and enthusiastic students who are currently enrolled in M.Sc/M.Tech courses in science and engineering with a keen interest to pursue internship/project work in interdisciplinary/translational research relevant to industrial projects.

Research Area: Microbiology, Biochemistry, Life Sciences, Biology, Environmental, Computational Biology and Toxicology.

Qualification: Bonafide students currently pursuing M.Sc/M.Tech (Biochemistry, Microbiology, Biotechnology, Life-Sciences, IT, ICT, Electronics, Chemical Engineering).

The positions are available immediately with CSIR-IITR scientists. Applicants should send a copy of their CV along with a brief motivation letter to the Director, CSIR-Indian Institute of Toxicology Research (director@iitrindia.org).



Industry labs for startups & MSMEs in niche areas

CORE Computational Toxicology Facility

- High Performance Computing (HPC) for toxicology cheminformatics and bioinformatics – the only facility in India
- Health and environmental databases and data analytics
- HPC Resource – 320processors with 1525 GB RAM
- Linux / Windows workstations and desktops

SAIF Sophisticated Analytical Instrument Facility

- LCMS/MS: Quadrupole based ultra-performance liquid chromatography-mass spectrometer
- Gas Chromatograph-MS/MS
- High Performance Liquid Chromatography
- Atomic Absorption Spectrophotometer
- Atomic Fluorescence Spectrophotometer
- FTIR Spectrometer
- Zeta sizer nanoZS
- Multimode Plate Reader



Advance Imaging Facility

- This facility provides state-of-the-art characterization and manipulation of biological samples, nanomaterials and also facilitates nano-bio interface.
- Transmission Electron Microscope (Techni™ G2 SPM, FEI, The Netherlands)
 - Scanning Electron Microscope (Quanta 450 FEG, FEI, The Netherlands)
 - Fluorescence Microscope (Leica, Germany)
 - Confocal Microscope (Leica, Germany)



Cell Biology Facility

- Cell culture
- Live Cell Analysis
- Flow Cytometry (BD Influx, Canto Model)
- Roboasp for stem cell biology



Molecular Biology Facility

- Real Time PCR facility (Quant Studio 6 Flex)
- High Throughput Real Time PCR Array (Quant Studio 12 Flex & 7900 HT)
- IR imaging facility for immunoblot and in Cell Western (LI-COR ODYSSEY C10)
- Protein purification
- Protein analysis
- Fermenters

