



TECHNOLOGY DEVELOPMENT AND INNOVATION CENTRE (TDIC)

CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

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ABOUT TDIC

The Technology Development and Innovation Centre (TDIC) at CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow is a state-of-the-art Innovation and Incubation ecosystem established to accelerate technology development, product translation, and entrepreneurship in the areas of biotechnology, healthcare, toxicology, environmental science, and allied sectors. TDIC brings together two flagship national initiatives under one roof:

TDIC serves as a multidisciplinary innovation incubation hub, offering support in the following sectors:



BIRAC BioNEST

Supported by the Biotechnology Industry Research Assistance Council, Department of Biotechnology, GoI, BioNEST is a dedicated biotechnology incubation facility that nurtures innovators, startups, and entrepreneurs through world-class laboratory infrastructure, mentorship, business incubation, networking opportunities, and translational research support.

Modes of services offer and facilities:



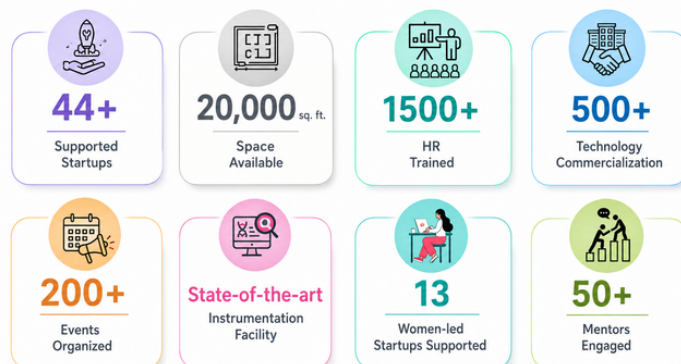
- Translational Research Facility**
Industry labs for start-ups & MSMEs
- Computational Toxicology Facility**
- Cell & Molecular Biology Facility**
- Sophisticated Analytical Instrument Facility**
- Advance Imaging Facility**
- 3D Printing Facilities**
(Biomaterials/ Materials)
- Dedicated Hub Instrumentation Facility**

STATE-OF-THE-ART-FACILITY



DSIR-CRTDH

Common Research and Technology Development Hub (CRTDH) supported by the Department of Scientific and Industrial Research (DSIR), Government of India, working in the mandate of Environment Monitoring and Intervention Hub (EMIH)



TDIC @ CSIR-IITR OUR PORTFOLIO



INCUBATEE PORTFOLIO WITH DOMAINS

44+ STARTUPS SUPPORTED | DRIVING INNOVATION IN HEALTH, ENVIRONMENT AND TECHNOLOGY

INDUSTRIAL BIOTECHNOLOGY



M/s NBI
Biosciences Pvt Ltd



M/s Bio Dimensions
Technology Pvt. Ltd



India Pesticides Limited
M/s India Pesticides
Ltd.



M/s Biotox
Solutions Pvt. Ltd



M/s Swarup Chemical
Pvt Ltd



M/s Waterlogics
Consultants Pvt. Ltd.



M/s Pi Chem
Chemicals Pvt Ltd.



M/s Bacti Barrier Pvt.
Ltd.



M/s ASPL Green
Ventures(P) Ltd.

ENVIRONMENTAL SUSTAINABILITY



M/s Matiyari
Technology Pvt.
Ltd.



M/s Varsya Ecosolutions



M/s Maser
Technology
Pvt.Ltd



M/s Phitons
Bioengineering
Private Limited



M/s Duromax
Hitech Coatings



M/s Blessings
Advertising Pvt Ltd

FOOD & BEVERAGE BIOTECHNOLOGY



M/s Esniff Devices Pvt. Ltd.



M/s Nutty Village Pvt. Ltd.

HEALTHCARE AND DEVICES



M/s Nextec
Lifesciences Pvt. Ltd.



M/s IEEARC
Technologies Pvt. Ltd.



M/s Humany Eco
Innovations Pvt Ltd



Anivid Research
and Development
Pvt. Ltd



M/s Cellure
Biosciences Pvt. Ltd.



M/s Ceyon
Healthcare India Pvt.
Ltd.

BIOINFORMATICS



M/s Gevanam Genomics

AGRICULTURAL BIOTECHNOLOGY



M/s Fruits Technologies Pvt. Ltd.

ENVIRONMENTAL BIOTECHNOLOGY



M/s EHM
consultancy Pvt. Ltd.



M/s Umwelt Technologies.
India Pvt. Ltd



M/s ENV Developmental
Assistance Systems (I) Pvt.
Ltd. (DAS India)



M/s AiRTH
Research Pvt. Ltd



M/s Airshed Planning
Professionals Pvt. Ltd.



CIPSC Pvt. Ltd.

PHARMACEUTICALS



M/s Bikalp Herbals
Pvt. Ltd



M/s Arceli
Lifesciences Pvt. Ltd.



M/s Kreative
Organics Pvt Ltd



M/s Daksh
Biodynamics

TDIC Facility

OUR STARTUP ECOSYSTEM



Nurturing Innovations Today for a Sustainable Tomorrow



Accelerator Ecosystem



Namo ATAL

- LC MS/MS Quadrupole based UPLC-MS
- Gas chromatograph-MS/MS
- High Performance Liquid chromatography
- Atomic Absorption Spectrophotometer (AAS)
- Atomic Fluorescence Spectrophotometer (AFS)
- FTIR Spectrometer
- Zeta Sizer nanoZS
- Multimode Plate Reader
- ICP-MS

Advanced Imaging System

- Transmission Electron Microscope (Tecnai™ G2 spirit, FEI, The Netherlands)
- Scanning Electron Microscope (Quanta 450 FEG, FEI, The Netherlands)
- Atomic Force Microscope (AFM-NTMDT, INTEGRA, Russia)
- Confocal Microscope (Zeiss LSM-880 with live cell imaging and airy scan)
- Fluorescence Microscope (Leica, Germany)

TDIC Instrumental Facility

- 3D Bioprinter
- Fermenter
- Raman Spectrophotometer
- BET Surface area analyzer
- Lyophilizer
- Multimode Microplate Reader
- Chemiluminescent Imaging System
- Third Generation Sequencer
- Dust analyser
- Fluorimeter
- Electrochemical Workstation
- Nanodrop Electro Spinning Machine
- Rotavapor
- 3D Printing Instrument
- Multipara meter analyzer
- Auto Weather Station
- Karl Fisher Titrator



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