



सीएसआईआर  
CSIR

भारत का नवाचार इंजन  
*The Innovation Engine of India*

# CSIR

## *A Profile*

May, 2025

# Contents

Council of Scientific and Industrial Research (CSIR)	1
CSIR Establishments	2
CSIR - Advanced Materials and Process Research Institute (CSIR-AMPRI)	3
CSIR - Central Building Research Institute (CSIR-CBRI)	4
CSIR - Centre for Cellular and Molecular Biology (CSIR-CCMB)	5
CSIR - Central Drug Research Institute (CSIR-CDRI)	6
CSIR - Central Electrochemical Research Institute (CSIR-CECRI)	7
CSIR - Central Electronics Engineering Research Institute (CSIR-CEERI)	8
CSIR - Central Food Technological Research Institute (CSIR-CFTRI)	9
CSIR - Central Glass & Ceramic Research Institute (CSIR-CGCRI)	10
CSIR - Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP)	11
CSIR - Central Institute of Mining and Fuel Research (CSIR-CIMFR)	12
CSIR - Central Leather Research Institute (CSIR-CLRI)	13
CSIR - Central Mechanical Engineering Research Institute (CSIR-CMERI)	14
CSIR - Central Road Research Institute (CSIR-CRRI)	15
CSIR - Central Scientific Instruments Organisation (CSIR-CSIO)	16
CSIR - Central Salt & Marine Chemicals Research Institute (CSIR-CSMCRI)	17
CSIR - Fourth Paradigm Institute (CSIR-4PI)	18
CSIR - Institute of Genomics and Integrative Biology (CSIR-IGIB)	19
CSIR - Institute of Himalayan Bioresource Technology (CSIR-IHBT)	20
CSIR - Indian Institute of Chemical Biology (CSIR-IICB)	21
CSIR - Indian Institute of Chemical Technology (CSIR-IICT)	22
CSIR - Indian Institute of Integrative Medicine (CSIR-IIIM)	23
CSIR - Indian Institute of Petroleum (CSIR-IIP)	24
CSIR - Indian Institute of Toxicology Research (CSIR-IITR)	25
CSIR - Institute of Minerals and Materials Technology (CSIR-IMMT)	26
CSIR - Institute of Microbial Technology (CSIR-IMTech)	27
CSIR - National Aerospace Laboratory (CSIR-NAL)	28
CSIR - National Botanical Research Institute (CSIR-NBRI)	29
CSIR - National Chemical Laboratory (CSIR-NCL)	30
CSIR - National Environmental Engineering Research Institute (CSIR-NEERI)	31
CSIR - North East Institute of Science and Technology (CSIR-NEIST)	32
CSIR - National Geophysical Research Institute (CSIR-NGRI)	33
CSIR - National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	34
CSIR - National Institute of Oceanography (CSIR-NIO)	35
CSIR - National Institute of Science Communication and Policy Research (CSIR-NIScPR)	36
CSIR - National Metallurgical Laboratory (CSIR-NML)	37
CSIR - National Physical Laboratory (CSIR-NPL)	38
CSIR - Structural Engineering Research Centre (CSIR-SERC)	39



## Council of Scientific and Industrial Research (CSIR)



**Director General: Dr. N. Kalaiselvi, [dg.csir@csir.res.in](mailto:dg.csir@csir.res.in)**

### Key Facts:

- \* Established as an autonomous body in September 1942.
- \* Headquartered at Anusandhan Bhawan, New Delhi; Pan India presence through a network of 37 National Laboratories.
- \* Addresses the needs of industrial research in the country.
- \* Known for excellence in R&D and S&T innovations.

### CSIR Headquarters Directorates, Centres & Units

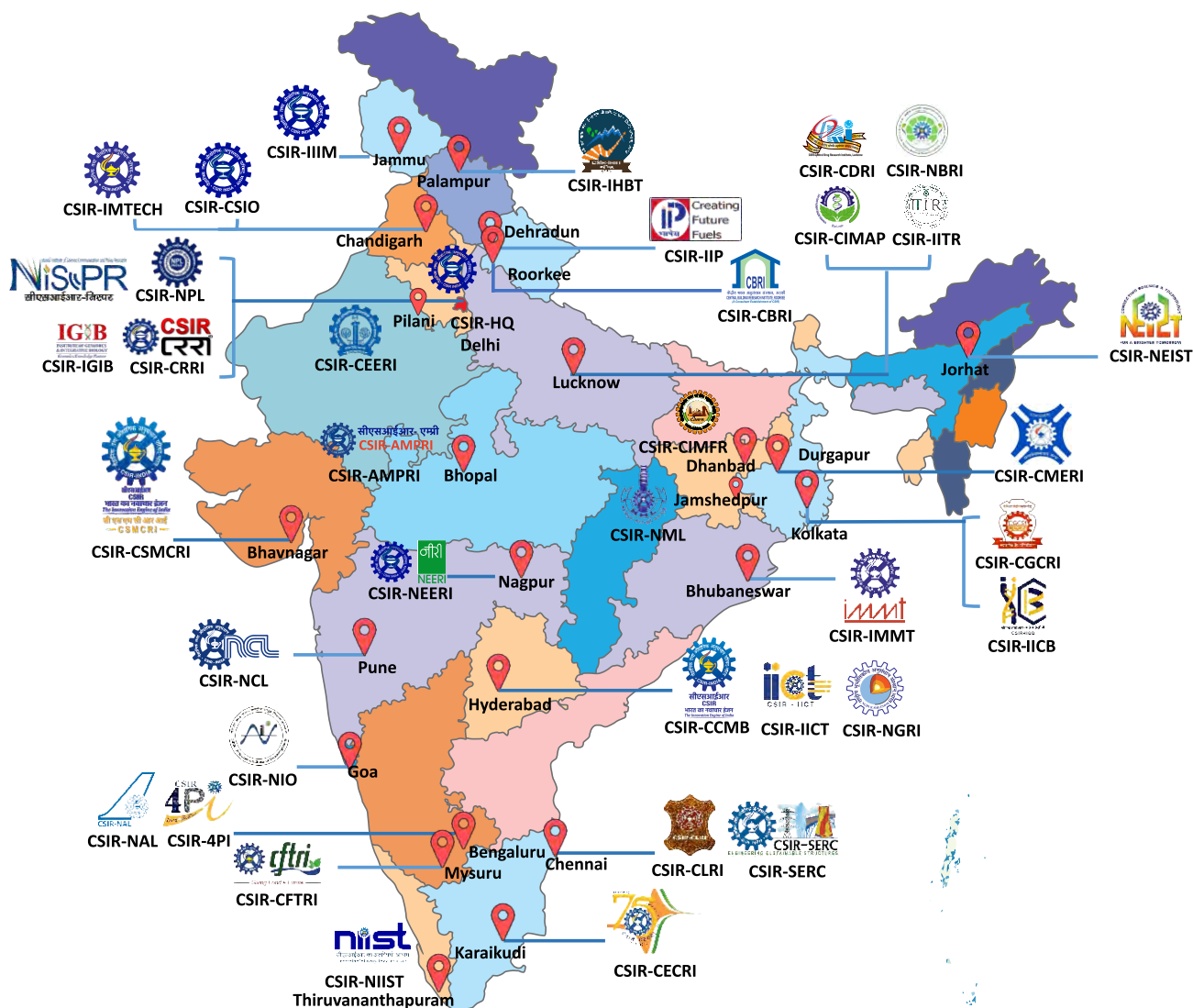
- Central Planning Directorate (CPD)
- Director General's Executive Directorate (DGED)
- Human Resource Development Centre (HRDC)
- Human Resource Development Group (HRDG)
- Information Technology Division (ITD)
- Innovation Management Directorate (IMD)
- Innovation Protection Unit (IPU)
- International S&T Affairs Directorate (ISTAD)
- Recruitment & Assessment Board (RAB)
- Science Communication and Dissemination Directorate (SCDD)
- Technology Management Directorate (TMD)
- Traditional Knowledge Digital Library (TKDL)
- Unit for Research and Development of Information Products (URDIP)

**Council of Scientific and Industrial Research (CSIR),**

Anusandhan Bhawan, 2 Rafi Marg, New Delhi – 110001. India.

[www.csir.res.in](http://www.csir.res.in)

## CSIR Establishments



**सीएसआईआर**  
**CSIR**

**भारत का नवाचार इंजन**  
*The Innovation Engine of India*

**Council of Scientific and Industrial Research (CSIR),**  
Anusanshan Bhawan, 2 Rafi Marg, New Delhi – 110001, India.

<https://www.csir.res.in/csir-laboratories>



सी. एस. आई. आर-एम्प्री  
CSIR-AMPRI



सीएसआईआर एम्प्री, भोपाल  
CSIR AMPRI, BHOPAL

## CSIR – Advanced Materials and Process Research Institute (CSIR-AMPRI)



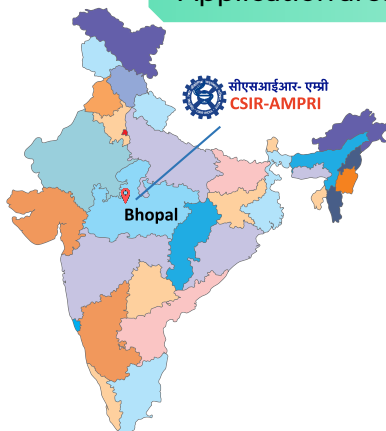
**Director: Dr. Thallada Bhaskar, [director@ampri.res.in](mailto:director@ampri.res.in)**

### Key Facts:

- \* Established in 1981.
- \* Dedicated to scientific and industrial research in the field of advanced materials and processes.

### Highlights:

- \* Research encompass range of materials, including metals, ceramics, polymers, composites, and nanomaterials.
- \* The institute explores fundamental principles governing material behavior and their applications.
- \* Application areas include aerospace, automotive, healthcare, and energy.



### Key Research Areas

- Material Synthesis and Characterization
- Advanced Manufacturing Techniques
- Biomaterials
- Functional Coatings
- Environmental Remediation Technologies
- Nanomaterials
- Composite Materials

**CSIR – Advanced Materials and Process Research Institute (CSIR-AMPRI)**

Hoshangabad Road, Bhopal - 462026, Madhya Pradesh, India

<https://ampri.res.in/>



## CSIR – Central Building Research Institute (CSIR-CBRI)



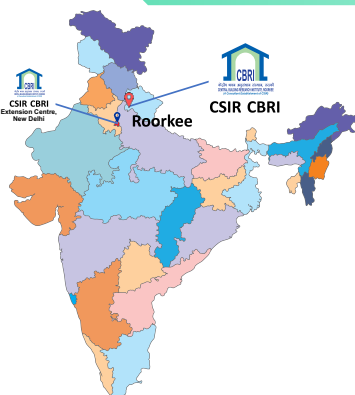
**Director: Prof. Pradeep Kumar Ramancharla, [director@cbri.res.in](mailto:director@cbri.res.in)**

### Key Facts:

- \* Established in 1947.
- \* Research in domains of building materials, health monitoring & rehabilitation of structures, disaster mitigation, rural and urban housing.

### Highlights:

- \* R&D aimed towards construction sector and sustainable development in the built environment.
- \* Conducts multidisciplinary research in civil engineering, architecture, materials science, and environmental science.
- \* Advances state-of-the-art in building sciences and promotes inclusive and sustainable development.



### Key Research Areas

- Building Materials Research
- Structural Engineering
- Housing and Urban Development
- Energy-Efficient Buildings
- Disaster Mitigation and Management
- Heritage Conservation

 Main Office

 Extension Centre

**CSIR – Central Building Research Institute (CSIR - CBRI)**

Roorkee – 247667, Uttarakhand, INDIA

<https://cbri.res.in/>



## CSIR – Centre for Cellular and Molecular Biology (CSIR-CCMB)



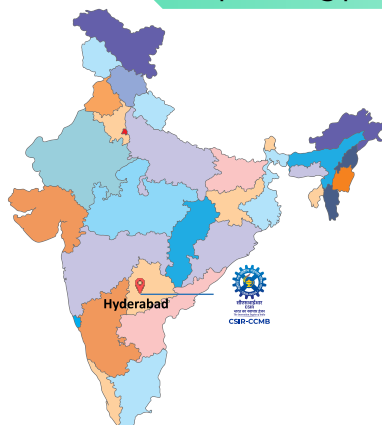
**Director: Dr. Vinay K. Nandicoori, [director@ccmb.res.in](mailto:director@ccmb.res.in)**

### Key Facts:

- \* Established in 1977.
- \* The institute conducts exploratory research for advancements in healthcare, agriculture, and biotechnology.

### Highlights:

- \* Significant contributions in developing diagnostics and therapeutics and unraveling the complexities of genetic diversity in Indian populations.
- \* Houses state-of-the-art facilities, advanced laboratories, high-throughput sequencing platforms, imaging facilities, and bioinformatics resources.



### Key Research Areas

- Developmental Biology
- Molecular Biology
- Genomics and Genetics
- Biotechnology
- Structural Biology
- Cell Biology
- Disease Biology
- Bioinformatics and Computational Biology

### CSIR-Centre for Cellular & Molecular Biology (CSIR-CCMB)

Habsiguda, Uppal Road, Hyderabad - 500 007, Telangana, India.

<https://www.ccmb.res.in>





## CSIR - Central Drug Research Institute (CSIR-CDRI)



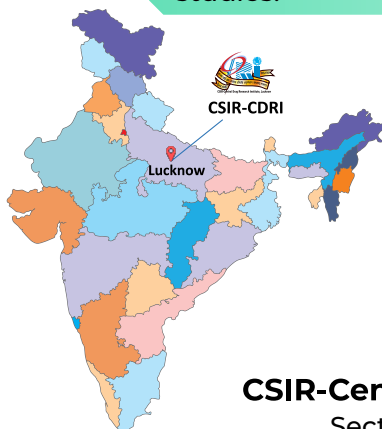
**Director: Dr. Radha Rangarajan, [director@cdri.res.in](mailto:director@cdri.res.in)**

### Key Facts:

- \* Established in 1951.
- \* Basic and translational research in disease areas of national relevance.

### Highlights:

- \* Contributions to drug discovery and development, with several drugs reaching clinical trials and commercialization stages.
- \* State-of-the-art technologies and infrastructure for biological screening, medicinal chemistry, structural biology, pharmacokinetics/ pharmacodynamics & toxicity studies.



### Key Research Areas

- Infectious diseases
- Cancer and metabolic diseases
- Neurological disorders
- Bone and musculoskeletal disorders
- Reproductive health
- Medicinal and natural products chemistry
- Pharmaceutics
- Pharmacology

### CSIR-Central Drug Research Institute (CSIR-CDRI)

Sector 10, Jankipuram Extension, Sitapur Road,  
Lucknow 226031, Uttar Pradesh, India.

<https://cdri.res.in/>



## CSIR- Central Electrochemical Research Institute (CSIR-CECRI)



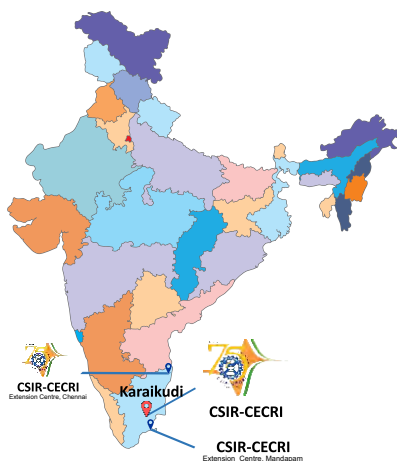
**Director: Dr. K. Ramesha, [director@cecri.res.in](mailto:director@cecri.res.in)**

### Key Facts:

- \* Established in 1948.
- \* The largest research establishment for electrochemistry in South Asia.
- \* The institute works in the field of electrochemistry and materials science research.

### Highlights:

- \* Contributions in the development of advanced battery technologies, such as lithium-ion batteries and sodium-ion batteries.
- \* Addresses the growing demand for efficient and sustainable energy storage solutions.



### Key Research Areas

- Energy Storage and Conversion
- Electrochemical Sensors and Biosensors
- Corrosion Science and Engineering
- Functional Materials
- Electrochemical Synthesis
- Environmental Electrochemistry
- Advanced Analytical Techniques

**CSIR-Central Electrochemical Research Institute (CSIR-CECRI)**

Karaikudi – 630003, Tamil Nadu, India.

<https://www.cecri.res.in>

📍 Main Office

📍 Extension Centre





# CSIR- Central Electronics Engineering Research Institute (CSIR-CEERI)



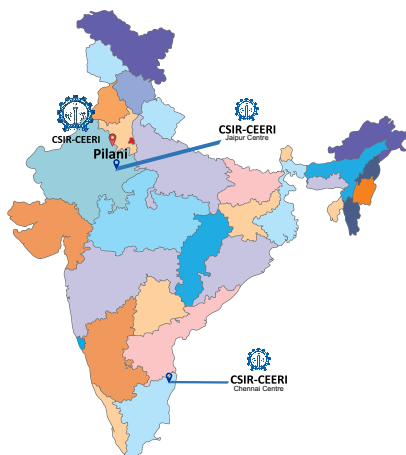
**Director: Dr. P.C. Panchariya, [director@ceeri.res.in](mailto:director@ceeri.res.in)**

## Key Facts:

- \* Established in 1953.
- \* The institute specializes in cutting-edge research and development in the field of electronics and allied disciplines.

## Highlights:

- \* Contributions to the development of electronic devices and systems for applications in telecommunications, healthcare, agriculture, defense, and environmental monitoring.



## Key Research Areas

- Semiconductor Devices and Materials
- Integrated Circuits (ICs) and System-on-Chip (SoC) Design
- Microwave and RF Engineering
- Optoelectronics and Photonics
- Sensor Technologies
- Signal Processing and Data Analytics
- Power Electronics and Renewable Energy Systems

**CSIR-Central Electronics Engineering Research Institute (CSIR-CEERI)**

Pilani – 333031, Rajasthan, India.

<https://www.ceeri.res.in>





# CSIR- Central Food Technological Research Institute (CSIR-CFTRI)



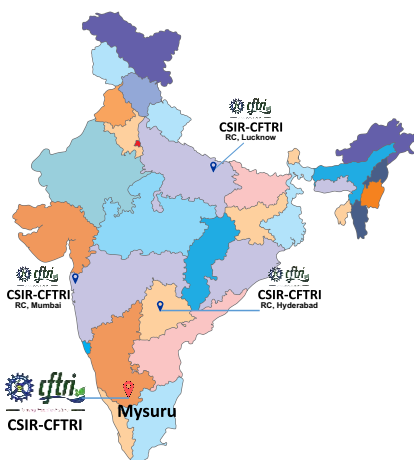
**Director: Dr. Sridevi Annapurna Singh, [director@cftri.res.in](mailto:director@cftri.res.in)**

## Key Facts:

- \* Established in 1950.
- \* Dedicated to research and development in the field of food science and technology, with a focus on improving food processing, preservation, and nutrition.

## Highlights:

- \* Contributes to enhancing the safety, quality, and nutritional value of food products, thereby promoting public health and ensuring food security in India and beyond.



## Key Research Areas

- Food Processing and Preservation
- Food Chemistry and Biochemistry
- Food Microbiology and Safety
- Food Biotechnology and Fermentation
- Sensory Science and Consumer Research
- Nutrition and Functional Foods
- Food Engineering and Packaging

**CSIR-Central Food Technological Research Institute (CSIR-CFTRI)**

Mysuru - 570020, Karnataka, India.

<https://cftri.res.in>

 Main Office

 Resource Centre



## CSIR - Central Glass & Ceramic Research Institute (CSIR-CGCRI)



**Director: Prof. Bikramjit Basu , [director@cgcri.res.in](mailto:director@cgcri.res.in)**

### Key Facts:

- \* Established in 1950.
- \* The only national lab with core competence in ceramics and glass for traditional to technologically challenging applications.

### Highlights:

#### Contribution in -

- \* Advanced ceramics and glass for strategic sector.
- \* Green energy technologies.
- \* Ceramic membranes for water filtration.
- \* Fiber lasers and sensors.
- \* Skill development in potteries, tiles, clay products.



### Key Research Areas

- Advanced Ceramics & Composites
- Biomaterials & Medical Devices
- Energy Materials & Devices
- Fibre Optics & Photonics
- Multiscale Microstructure & Mechanics of Materials
- Functional Materials & Devices
- Membrane & Separation Technology
- Refractory & Traditional Ceramics
- Specialty Glass

**CSIR-Central Glass and Ceramic Research Institute (CSIR-CGCRI)**

**Main Office** 196, Raja S.C. Mullick Road, Kolkata – 700 032, West Bengal, India

**Centre**

<https://www.cgcri.res.in>





## CSIR-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP)



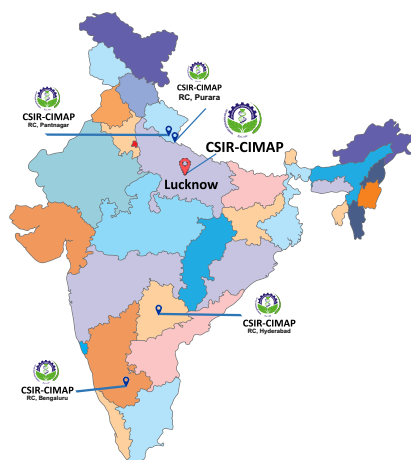
**Director: Dr. Prabodh Kumar Trivedi, [director@cimap.res.in](mailto:director@cimap.res.in)**

### Key Facts:

- \* Established in 1959.
- \* The institute is dedicated to the study and development of medicinal and aromatic plants.

### Highlights:

- \* Applications in traditional medicine, pharmaceuticals, nutraceuticals, cosmeceuticals, and agrochemicals.



### Key Research Areas

- Plant Breeding and Cultivation
- Phytochemistry and Natural Product Chemistry
- Pharmacology and Therapeutic Evaluation
- Herbal Formulations and Product Development
- Biotechnology and Molecular Biology
- Conservation and Sustainable Utilization
- Agrochemicals and Plant Protection

## CSIR-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP)

Lucknow-226015, Uttar Pradesh, India

<https://cimap.res.in>

 Main Office

 Research Centre



## CSIR-Central Institute of Mining and Fuel Research (CSIR-CIMFR)



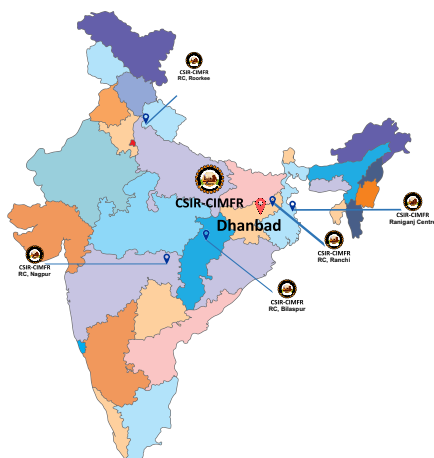
**Director: Prof. Arvind Kumar Mishra, [director@cimfr.res.in](mailto:director@cimfr.res.in)**

### Key Facts:

- \* Established in 2007 after merging of CFRI (1946) and CMRI (1956).
- \* Specializes in the field of mining technologies, mineral processing & fuel sciences.

### Highlights:

- \* The institute is dedicated to addressing the technological challenges faced by the mining industry and promoting innovation in mining practices and technologies.
- \* The institute contributes to the sustainable development of the mining industry, ensuring efficient resource utilization, environmental protection, and socio-economic development in mining regions.



### Key Research Areas

- Coal and Mineral Exploration
- Mine Planning and Design
- Explosives and Rock Blasting Techniques
- Coal Beneficiation and Utilization
- Environmental Impact Assessment
- Mine Safety and Disaster Management
- Clean Coal Technologies

**CSIR-Central Institute of Mining and Fuel Research (CSIR-CIMFR)**

Barwa Road, Dhanbad - 826001, Jharkhand, India

<https://cimfr.res.in>

Main Office

Research Centre/Regional Centre





## CSIR-Central Leather Research Institute (CSIR-CLRI)



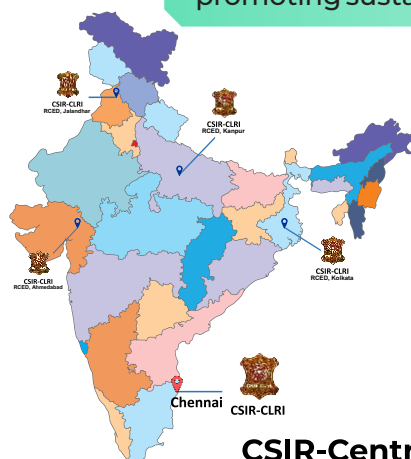
**Director: Dr. K. J. Sreeram, [director@clri.res.in](mailto:director@clri.res.in)**

### Key Facts:

- \* Established in 1948.
- \* Specialises in the R&D and education at UG/PG levels in leather, footwear and environmental management of tanneries.

### Highlights:

- \* Leather products and footwear.
- \* The institute is dedicated for improving the quality, durability, and sustainability of leather products while minimizing environmental impact.
- \* Contributes significantly to the growth and modernization of the leather industry, ensuring the competitiveness of Indian leather products in global markets, and promoting sustainable practices for the leather sector.



### Key Research Areas

- Leather Processing Technology
- Biotechnology and Enzyme Applications
- Footwear and product design, and fashion forecasting
- Leather Quality Assessment and Testing
- Leather Waste Utilization and Pollution Control
- Policy framework for sustainable leather industries

### CSIR-Central Leather Research Institute (CSIR-CLRI)

Sardar Patel Road, Adyar, Chennai – 600020, Tamil Nadu, India



Main Office



Regional Center for Extension and Development

<https://www.clri.org/>



## CSIR-Central Mechanical Engineering Research Institute (CSIR-CMERI)



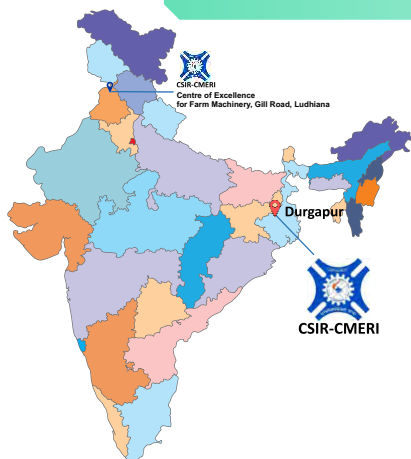
**Director: Dr. N.C. Murmu**, [director@cmeri.res.in](mailto:director@cmeri.res.in)

### Key Facts:

- \* Established in 1958.
- \* R&D in the field of mechanical engineering sciences and technologies.

### Highlights:

- \* Contributes in development of cost effective and value added technologies in mechanical engineering and allied domains.
- \* The institute plays a crucial role in driving technological innovation, fostering industrial competitiveness, and contributing to the economic development and sustainable growth of India.



### Key Research Areas

- Renewable Energy Technologies
- Advanced Manufacturing Technologies
- Robotics and Automation
- Sustainable Infrastructure Development
- Agricultural Engineering
- Automotive Engineering
- Materials Science and Engineering

**CSIR-Central Mechanical Engineering Research Institute (CSIR-CMERI)**

M. G. Avenue, Durgapur – 713209, West Bengal, India

📍 Main Office

📍 Centre of Excellence for Farm Machinery

<https://www.cmeri.res.in>





## CSIR - Central Road Research Institute (CSIR-CRRI)



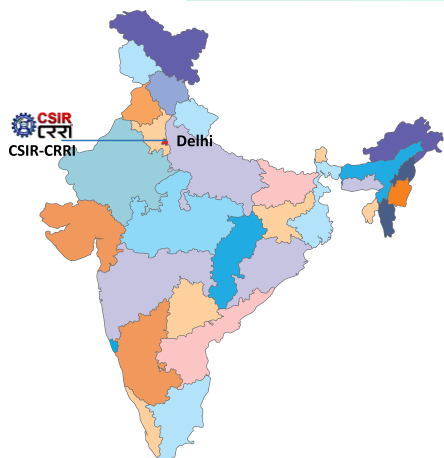
**Director: Prof. Manoranjan Parida, [director.ccri@nic.in](mailto:director.ccri@nic.in)**

### Key Facts:

- \* Established in 1952.
- \* Research activities encompass various aspects of road engineering, transportation planning, traffic management, and road safety.

### Highlights:

- \* Dedicated to improve design, construction, maintenance, and management of roads, highways, and transportation systems to enhance mobility, safety, and sustainability.
- \* The institute plays a pivotal role in shaping policies, standards, and practices for road infrastructure development and transportation planning in India.



### Key Research Areas

- Bridge Engineering and Structures
- Geotechnical Engineering
- Flexible Pavements
- Pavement Evaluation
- Rigid Pavements
- Traffic Engineering and Safety
- Transportation Planning and Environment Division

**CSIR-Central Road Research Institute (CSIR-CRRI)**

Mathura Road, New Delhi – 110025, India

<https://crridom.gov.in>



CSIR-Central Scientific Instruments Organisation

## CSIR - Central Scientific Instruments Organisation (CSIR-CSIO)



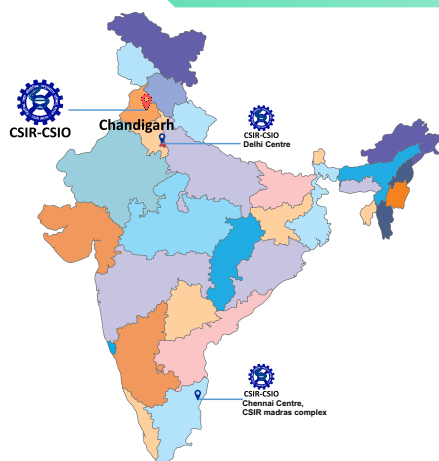
**Director: Prof. Shantanu Bhattacharya, [director@csio.res.in](mailto:director@csio.res.in)**

### Key Facts:

- \* Established in 1959.
- \* The institute is dedicated to the development of scientific instruments and technologies.

### Highlights:

- \* The institute focuses on designing, developing, and commercializing advanced scientific instruments and systems.
- \* The institute contributes in advancing scientific knowledge, fostering technological innovation, and supporting industrial competitiveness in India.



### Key Research Areas

- Optics and Photonics
- Electronic Instrumentation
- Biomedical Instrumentation
- Sensors and Transducers
- Imaging and Vision Systems
- Instrumentation for Space and Defense

**CSIR-Central Scientific Instruments Organisation (CSIR-CSIO)**

Sector 30, Chandigarh -160030, India

<https://www.csio.res.in>





# CSIR - Central Salt & Marine Chemicals Research Institute (CSIR-CSMCRI)



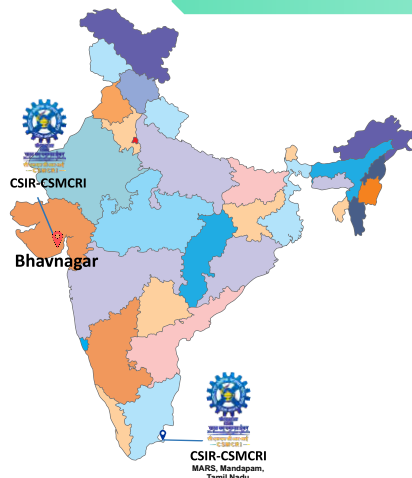
**Director: Dr. Kannan Srinivasan, [director@csmcri.res.in](mailto:director@csmcri.res.in)**

## Key Facts:

- \* Established in 1954.
- \* Specializes in the advancement of knowledge, technology, and sustainable practices in salt and marine chemical industries, membranes and agro input industries.

## Highlights:

- \* The institute focuses on addressing challenges related to salt production, utilization of marine resources, and sustainable development of coastal ecosystems.
- \* Fosters sustainable economic growth, water security, livelihood improvement and environmental stewardship in coastal regions of India and beyond.



## Key Research Areas

- Salt and Marine Chemicals
- Seaweeds, Microalgae & Halophytes
- Marine Biology and Biotechnology
- Membranes - Desalination & Water Treatment
- Marine Natural Products & Biopolymers
- Marine Environmental Science & Engineering
- Sustainable Coastal Development
- Renewable Energy from Marine Resources

**CSIR-Central Salt and Marine Chemicals Research Institute (CSIR-CSMCRI)**



**Main Office**

Gijubhai Badheka Marg, Bhavnagar - 364002, Gujarat, India



**Marine Algal Research Station**

<https://www.csmcni.res.in>





## CSIR - Fourth Paradigm Institute (CSIR-4PI)



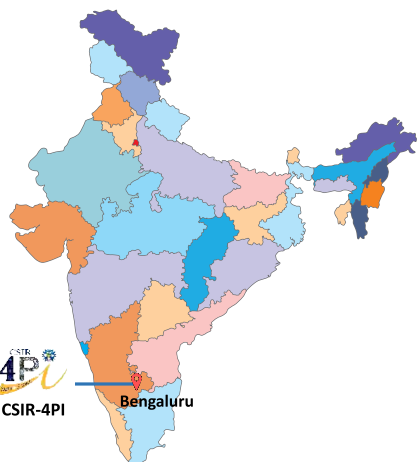
**Director: Dr. Abhay A. Pashilkar, [director@csir4pi.in](mailto:director@csir4pi.in)**

### Key Facts:

- \* Established in 1988 and designated as CSIR National Laboratory in 2024.
- \* Data driven translational research and high performance computing.
- \* Inter disciplinary research through synthesis of modelling, measurements & data analytics.

### Highlights:

- \* Generative AI based security and privacy solutions.
- \* Indigenously developed cyberspace surveillance network telescope for cyberthreat intelligence.
- \* CHAMP supercomputing & CSIR-MEGHA cloud storage.
- \* Pioneered Geo-Hazard Assessment in Indian Sub Continent.
- \* Agro-technologies & actionable farm advisory with AI & ML interventions.



### Key Research Areas

#### Bigdata Research & Supercomputing

- AI & Data Science infrastructure
- R&D in cyber security and privacy
- Development of domain agnostic data science tools & techniques
- Interdisciplinary Data Research
- Data research in Earth System, Agriculture, Health, Engineering
- Synthesis of Modelling, Measurements, and Data Analytics

### CSIR - Fourth Paradigm Institute (CSIR-4PI)

Windtunnel Road, Bangalore - 560037, Karnataka, India

<https://csir4pi.res.in/>



## CSIR - Institute of Genomics and Integrative Biology (CSIR-IGIB)



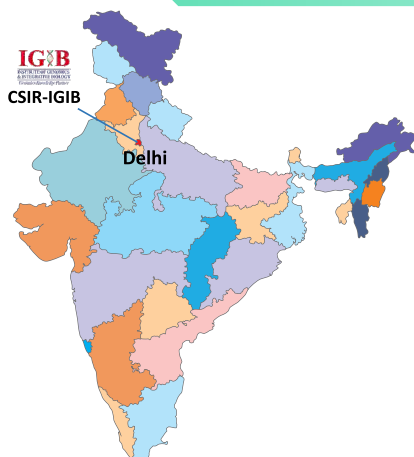
**Director: Dr. Souvik Maiti, [director@igib.res.in](mailto:director@igib.res.in)**

### Key Facts:

- \* Established in 1977.
- \* The institute is at the forefront of genomic research in India.
- \* Dedicated to genomic research and its integration with other disciplines such as computational biology, bioinformatics, and molecular medicine.

### Highlights:

- \* Strives to unravel the complexities of the genome and its interactions with the environment.



### Key Research Areas

- Human Genetics and Disease Genomics
- Functional Genomics and Transcriptomics
- Proteomics and Metabolomics
- Microbial Genomics and Microbiome Studies
- Systems Biology and Computational Biology
- Biomedical Informatics and Data Science
- Precision Medicine and Personalized Healthcare

**CSIR-Institute of Genomics and Integrative Biology (CSIR-IGIB)**

South Campus, Mathura Road, New Delhi – 110025, India

<https://www.igib.res.in>





## CSIR - Institute of Himalayan Bioresource Technology (CSIR-IHBT)



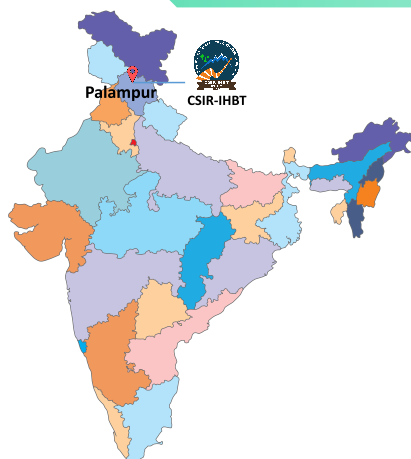
**Director: Dr. Sudesh Kumar Yadav, [director@ihbt.res.in](mailto:director@ihbt.res.in)**

### Key Facts:

- \* Established in 1983.
- \* Dedicated to research and development in the field of Himalayan bioresources.

### Highlights:

- \* The research efforts encompass various aspects of bioresource utilization, conservation, and value addition.
- \* Develops technologies and products that contribute to agricultural productivity, healthcare, nutrition, and environmental sustainability in the Himalayan region and beyond.



### Key Research Areas

- Medicinal and Aromatic Plants (MAPs)
- Plant Biotechnology and Molecular Biology
- Natural Product Chemistry
- Agroforestry and Soil Conservation
- Microbial Biotechnology
- High-Altitude Crop Cultivation
- Bioresource Valorization and Entrepreneurship

**CSIR - Institute of Himalayan Bioresource Technology (CSIR-IHBT)**

Palampur - 176061 Himachal Pradesh, India

<https://www.ihbt.res.in>



## CSIR - Indian Institute of Chemical Biology (CSIR-IICB)



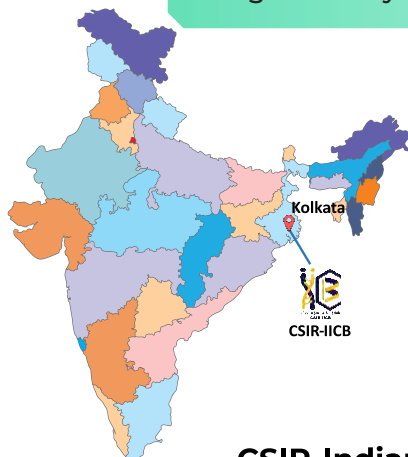
**Director: Prof. Vibha Tandon, [director@iicb.res.in](mailto:director@iicb.res.in)**

### Key Facts:

- \* Established in 1935, included within the aegis of CSIR in 1956.
- \* Dedicated to interdisciplinary research in chemical biology and molecular medicine.

### Highlights:

- \* Research focuses on understanding the molecular mechanisms underlying various biological processes and diseases. Aims to develop novel therapeutic strategies and diagnostics.
- \* Contributes to advance knowledge in chemical biology, molecular medicine, and drug discovery.



### Key Research Areas

- Drug Discovery and Development
- Structural Biology and Biophysics
- Molecular Genetics and Genomics
- Cell Biology and Signaling Pathways
- Immunology and Host-Pathogen Interactions
- Neurobiology and Neurodegenerative Diseases
- Cancer Biology and Oncology

**CSIR-Indian Institute of Chemical Biology (CSIR-IICB)**

4, Raja S. C. Mullick Road, Kolkata - 700032, West Bengal, India

<https://www.iicb.res.in>





## CSIR - Indian Institute of Chemical Technology (CSIR-IICT)



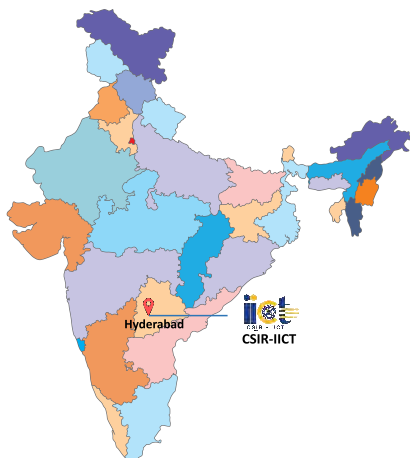
**Director: Dr. D. Srinivasa Reddy, [director@iict.res.in](mailto:director@iict.res.in)**

### Key Facts:

- \* Established in 1944.
- \* Dedicated to chemical research and development.

### Highlights:

- \* Contributions in pharmaceuticals, agrochemicals, fine chemicals, petrochemicals, and renewable energy sectors.
- \* Advances scientific knowledge, fostering innovation, and supporting industrial growth in the field of chemical sciences.



### Key Research Areas

- Organic Chemistry
- Catalysis and Chemical Engineering
- Drug Discovery and Development
- Materials Chemistry
- Process Intensification and Green Chemistry
- Agrochemicals and Crop Protection
- Renewable Energy and Sustainable Technologies

**CSIR-Indian Institute of Chemical Technology (CSIR-IICT)**

Tarnaka, Hyderabad – 500007, Telangana, India

<https://www.iict.res.in>





## CSIR - Indian Institute of Integrative Medicine (CSIR-IIIM)



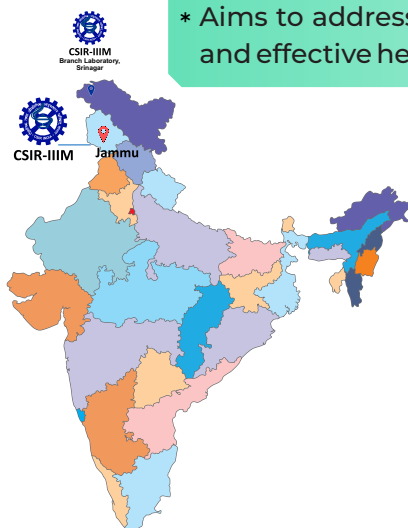
**Director: Dr. Zabeer Ahmed, [director@iiim.res.in](mailto:director@iiim.res.in)**

### Key Facts:

- \* Established in 1941, included within the aegis of CSIR in 1957.
- \* Dedicated to interdisciplinary research in the fields of natural products chemistry, medicinal chemistry, and drug discovery.

### Highlights:

- \* Conducts research in areas such as phytochemistry, synthetic chemistry, pharmacology, biotechnology, and computational biology.
- \* Aims to address unmet medical needs, foster innovation, and develop affordable and effective healthcare for society.



### Key Research Areas

- Natural Products Chemistry
- Medicinal Chemistry and Drug Discovery
- Pharmacology and Drug Development
- Bioinformatics and Computational Drug Design
- Natural Product-Based Therapeutics
- Phytopharmaceuticals and Herbal Medicines
- Biotechnology and Bioprocessing

**CSIR- Indian Institute of Integrative Medicine (CSIR-IIIM)**

Canal Road, Jammu-Tawi-180001, Jammu & Kashmir, India

<https://iiim.res.in>

 **Main Office**

 **Branch Laboratory**



## CSIR - Indian Institute of Petroleum (CSIR-IIP)



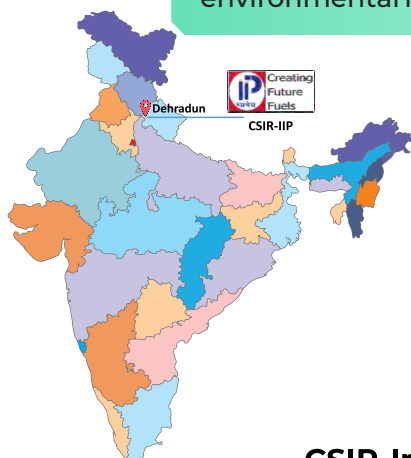
**Director: Dr. Harender Singh Bisht, [director@iip.res.in](mailto:director@iip.res.in)**

### Key Facts:

- \* Established in 1960.
- \* Dedicated to petroleum research, technology development, and related innovations.

### Highlights:

- \* Focuses to address the challenges faced by the petroleum industry and contribute to its sustainable growth and development.
- \* Aims to enhance the competitiveness of the Indian petroleum industry, reduce its environmental footprint, and promote sustainable development.



### Key Research Areas

- |  |  |
|--|--|
| • Refining Technology                      | • Environmental Protection and Pollution Control |
| • Petrochemicals and Downstream Processing | • Process Optimization and Modeling              |
| • Biofuels and Alternative Energy          | • Advanced Materials and Nanotechnology          |
| • Catalysis and Catalyst Development       |  |

**CSIR-Indian Institute of Petroleum (CSIR-IIP)**

Mohkampur, Dehradun, 248005, Uttarakhand, India

<https://www.iip.res.in>





## CSIR - Indian Institute of Toxicology Research (CSIR-IITR)



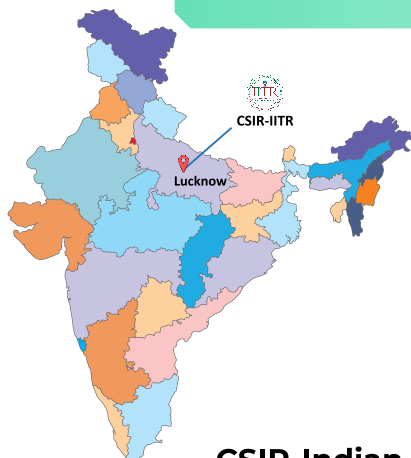
**Director: Dr. Bhaskar Narayan, [director@iitrindia.org](mailto:director@iitrindia.org)**

### Key Facts:

- \* Established in 1965.
- \* Dedicated to toxicology research and endeavours to mitigate problems of human health and environment.

### Highlights:

- \* Research focus on understanding the adverse effects of chemicals and environmental pollutants on human health and the environment.
- \* Aims to provide scientific evidence for regulatory decision-making, protect public health and the environment from toxic hazards, and promote the development of safer chemicals and products.



### Key Research Areas

- Molecular Toxicology
- Environmental Toxicology
- Computational Toxicology
- Toxicogenomics and Biomarkers
- Risk Assessment and Regulatory Toxicology
- Alternative Methods to Animal Testing

**CSIR-Indian Institute of Toxicology Research (CSIR-IITR)**

31, Mahatma Gandhi Marg, Lucknow - 226001, Uttar Pradesh, India

<https://iitr.res.in>





## CSIR - Institute of Minerals and Materials Technology (CSIR-IMMT)



**Director: Dr. Ramanuj Narayan, [dir@immt.res.in](mailto:dir@immt.res.in)**

### Key Facts:

- \* Established in 1964.
- \* Dedicated to research and development in the field of minerals, materials, and metallurgy.

### Highlights:

- \* Addresses the S&T challenges faced by the minerals and materials industries and develop innovative solutions to enhance their competitiveness and sustainability.
- \* Aims to contribute to the advancement of knowledge, technology, and sustainable practices in the minerals and materials sectors.



### Key Research Areas

- |  |   |
|--|---|
| • Mineral Processing and Beneficiation       | • Surface Engineering and Corrosion Protection    |
| • Extractive Metallurgy and Metal Extraction | • Biomaterials and Biomedical Applications        |
| • Materials Synthesis and Characterization   | • Nanomaterials and Nanotechnology                |
|  | • Environmental Remediation and Waste Utilization |

**CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT)**

Bhubaneswar - 751013, Odisha, India

<https://www.immt.res.in>



## CSIR-Institute of Microbial Technology (CSIR-IMTech)



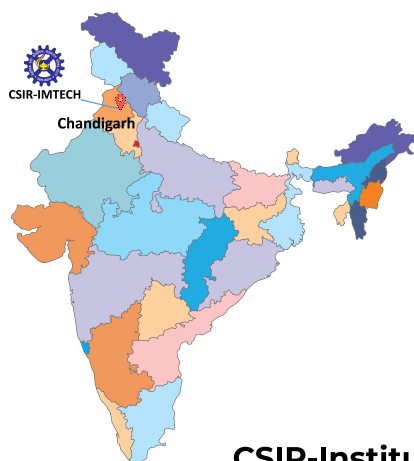
**Director: Dr. Sanjeev Khosla, [director@imtech.res.in](mailto:director@imtech.res.in)**

### Key Facts:

- \* Established in 1984.
- \* Dedicated to microbial biotechnology research and innovation.

### Highlights:

- \* Focuses on harnessing the potential of microorganisms for applications in healthcare, agriculture, environment, and industry.
- \* Aims to advance scientific knowledge, foster innovation, translate research findings into practical applications for societal benefit and contribute to the development of a knowledge-based bioeconomy.



### Key Research Areas

- Microbial Genetics and Molecular Biology
- Genomics and Functional Genomics
- Enzyme Technology and Biocatalysis
- Fermentation Technology and Bioprocessing
- Bioinformatics and Computational Biology
- Microbial Biotechnology for Healthcare and Agriculture
- Antimicrobial Resistance and Infectious Diseases

**CSIR-Institute of Microbial Technology (CSIR-IMTech)**

Sector 39A, Chandigarh – 160036, India

<https://www.imtech.res.in>



## CSIR-National Aerospace Laboratory (CSIR-NAL)



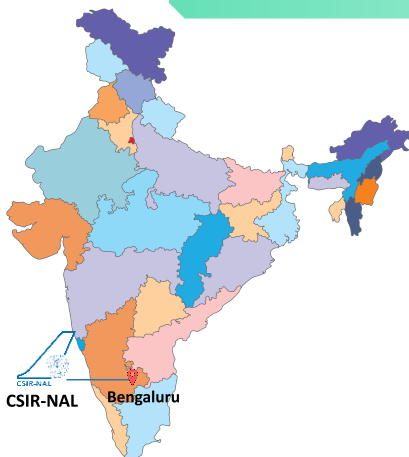
**Director: Dr. Abhay Anant Pashilkar, [director@nal.res.in](mailto:director@nal.res.in)**

### Key Facts:

- \* Established in 1959.
- \* Primary focus in the design, development, and testing of aerospace technologies, contributing significantly to India's aerospace industry.

### Highlights:

- \* R&D in aerospace science and technology, to meet technological needs of the aerospace industry and contribute to national development.
- \* Houses state-of-the-art facilities including wind tunnels, flight test facilities, and laboratories equipped for materials testing, structural analysis, and computational modeling.



### Key Research Areas

- Aircraft Design and Development
- Propulsion Systems
- Aerodynamics and Flight Dynamics
- Aerospace Materials and Structures
- Avionics and Control Systems
- Unmanned Aerial Vehicles (UAVs)
- Space Technology

**CSIR-National Aerospace Laboratory (CSIR-NAL)**

HAL Airport Road, Bengaluru – 560017, Karnataka, India

<https://www.nal.res.in>





## CSIR - National Botanical Research Institute (CSIR-NBRI)



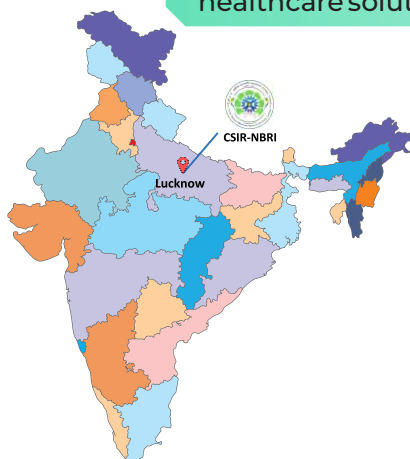
**Director: Dr. Ajit Kumar Shasany, [director@nbri.res.in](mailto:director@nbri.res.in)**

### Key Facts:

- \* Established in 1953.
- \* Dedicated to botanical research and plant sciences.

### Highlights:

- \* Focuses on both basic and applied research to understand the fundamental aspects of plant life.
- \* Develops innovative solutions for agricultural, environmental, and industrial challenges.
- \* Aims to advance knowledge in plant sciences, promote biodiversity conservation, and contribute to the development of sustainable agricultural practices and herbal healthcare solutions.



### Key Research Areas

- Plant Taxonomy and Systematics
- Plant Physiology & Biochemistry
- Plant Biotechnology and Genetic Engineering
- Medicinal Plants & Phytochemistry
- Biodiversity Conservation
- Phytoremediation and Environmental Biotechnology
- Plant-Microbe Interactions and Symbiosis
- Plant Ecology, Climate Change & Phytoremediation

**CSIR-National Botanical Research Institute (CSIR-NBRI)**  
436, Rana Pratap Marg, Lucknow - 226001, Uttar Pradesh, India.  
<https://nbri.res.in>



## CSIR-National Chemical Laboratory (CSIR-NCL)



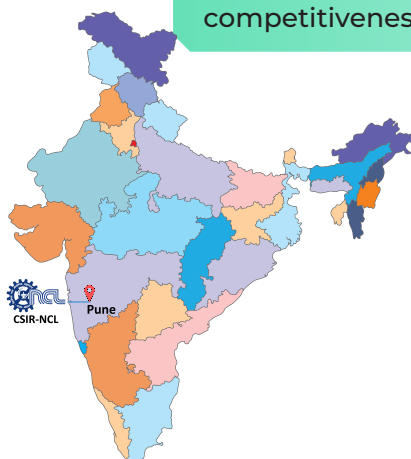
**Director: Dr. Ashish Lele, [director@ncl.res.in](mailto:director@ncl.res.in)**

### Key Facts:

- \* Established in 1950.
- \* Dedicated to research and development in the field of chemistry and chemical engineering.

### Highlights:

- \* Research encompass areas of organic chemistry, inorganic chemistry, physical chemistry, catalysis, polymer science, materials science, chemical engineering & Biochemical Sciences.
- \* Core expertise/ facility: National Centre for Industrial Microorganisms.
- \* Aims to contribute to scientific excellence, technological innovation, and industrial competitiveness in India and globally.



### Key Research Areas

- Organic Synthesis and Catalysis
- Materials Chemistry and Nanotechnology
- Polymer Science and Engineering
- Catalytic Processes and Chemical Engineering
- Sustainable Chemistry and Green Technologies
- Analytical Chemistry and Spectroscopy
- Drug Discovery and Medicinal Chemistry
- Biochemical Sciences

### CSIR-National Chemical Laboratory (CSIR-NCL)

Dr. Homi Bhabha Road, Pune - 411008, Maharashtra, India.

<https://www.ncl-india.org>





## CSIR - National Environmental Engineering Research Institute (CSIR-NEERI)



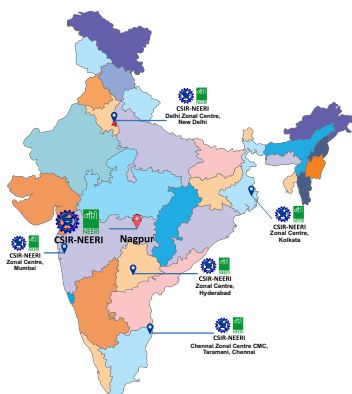
**Director: Dr. S. Venkata Mohan, [director@neeri.res.in](mailto:director@neeri.res.in)**

### Key Facts:

- \* Established in 1958.
- \* Dedicated to environmental science and engineering research.

### Highlights:

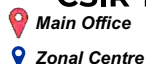
- \* Research encompasses environmental issues, including air and water pollution, solid and hazardous waste management, environmental monitoring and assessment, environmental biotechnology, climate change, and sustainable development.
- \* Aims to advance knowledge in environmental science and engineering, provide scientific support for environmental policy-making.
- \* Contribute to the development of sustainable solutions for a cleaner and healthier environment.



### Key Research Areas

- Air Pollution Control and Management
- Water Resource Management and Treatment
- Solid and Hazardous Waste Management
- Environmental Biotechnology and Microbial Remediation
- Environmental Impact Assessment and Risk Management
- Climate Change and Adaptation
- Environmental Policy and Regulation

**CSIR-National Environmental Engineering Research Institute (CSIR-NEERI)**



Nehru Marg, Nagpur-440020, Maharashtra, India

<https://www.neeri.res.in>





# CSIR-North East Institute of Science and Technology (CSIR-NEIST)



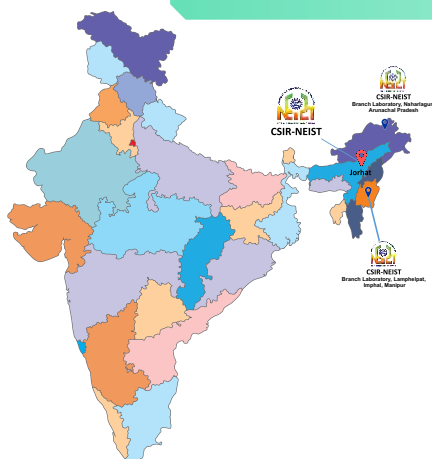
**Director: Dr. V. M. Tiwari, [director@neist.res.in](mailto:director@neist.res.in)**

## Key Facts:

- \* Established in 1961.
- \* Dedicated to scientific research and technological development in the North Eastern Region (NER) of India.

## Highlights:

- \* Research spans various disciplines including Chemical Sciences, Material Sciences, Geo & Environmental Sciences, Engineering Sciences, Biological Sciences, Environmental Sciences, Agricultural Sciences and Data Sciences.
- \* Aims to advance scientific knowledge, promote innovation, and contribute to the socioeconomic development of NER in particular and the country as a whole.



## Key Research Areas

- Natural Products and Medicinal Chemistry
- Organic Synthesis and Catalysis
- Material Science and Nanotechnology
- Renewable Energy and Sustainable Development
- Biotechnology, Bioengineering and Infectious Diseases
- Genome Editing & Functional Genomics for Climate Resilient Crops
- Genetics and Breeding of Medicinal and Aromatic Plants
- Traditional Knowledge and Ethnopharmacology
- Environmental Science and Pollution Control
- Geoscience and Natural Disaster Management
- Civil Infrastructure and Engineering
- Artificial Intelligence and Machine Learning

**CSIR-North East Institute of Science and Technology (CSIR-NEIST)**

Jorhat-785006, Assam, India

<https://www.neist.res.in>

 Main Office

 Branch Laboratory



## CSIR - National Geophysical Research Institute (CSIR-NGRI)



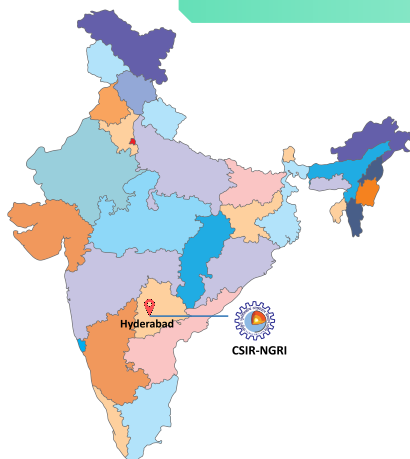
**Director: Dr. Prakash Kumar, [director@ngri.res.in](mailto:director@ngri.res.in)**

### Key Facts:

- \* Established in 1961.
- \* Dedicated to geophysical research and exploration of the Earth's subsurface.

### Highlights:

- \* The institute focuses on understanding the Earth's structure, processes, and natural resources through the application of geophysical techniques.
- \* Aims to advance knowledge in geophysics, promote sustainable development, and contribute to the socioeconomic development of India.



### Key Research Areas

- Seismology and Earthquake Studies
- Geodesy and Geodetic Surveying
- Geomagnetism and Paleomagnetism
- Gravity and Magnetic Studies
- Remote Sensing and GIS Applications
- Groundwater Exploration and Management
- Geological and Tectonic Studies

**CSIR-National Geophysical Research Institute (CSIR-NGRI)**

Uppal Road, Hyderabad-500007, Telangana, India.

<https://www.ngri.res.in>



## CSIR- National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)



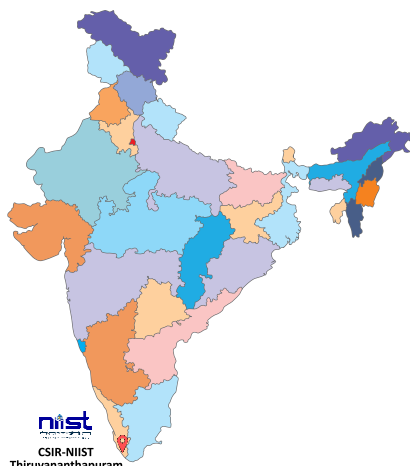
**Director: Dr. C. Anandharamakrishnan, [director@niist.res.in](mailto:director@niist.res.in)**

### Key Facts:

- \* Established in 1975.
- \* Dedicated to interdisciplinary research in science and technology.

### Highlights:

- \* Focus is on fundamental and applied research to address scientific challenges and develop innovative solutions for societal needs.
- \* Aims to advance knowledge in interdisciplinary sciences, promote innovation, and contribute to the socioeconomic development of India.



### Key Research Areas

- Materials Science and Engineering
- Nanotechnology and Nanomaterials
- Chemical Sciences and Catalysis
- Biotechnology and Biomedical Sciences
- Environmental Science and Engineering
- Process Engineering and Optimization
- Energy and Sustainability
- Agro and food processing

**CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)**

Thiruvananthapuram – 695019, Kerala, India

<https://www.niist.res.in/>





## CSIR-National Institute of Oceanography (CSIR-NIO)



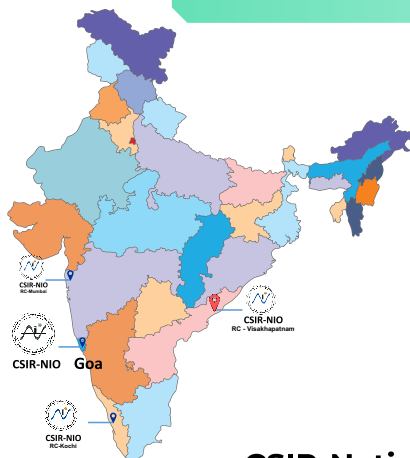
**Director: Dr. Sunil K. Singh, [director@nio.org](mailto:director@nio.org)**

### Key Facts:

- \* Established in 1966.
- \* Dedicated to oceanographic research and exploration.

### Highlights:

- \* The institute focuses on understanding the processes and phenomena occurring in the oceans, coastal regions, and marine ecosystems.
- \* Aims to advance knowledge in oceanography, promote sustainable development of marine resources, and contribute to the conservation and management of coastal and marine ecosystems.



### Key Research Areas

- Physical Oceanography
- Marine Geology and Geophysics
- Marine Biology and Ecology
- Chemical Oceanography
- Marine Technology and Instrumentation
- Coastal Zone Management and Marine Resources
- Marine Biotechnology and Blue Biotechnology

**CSIR-National Institute of Oceanography (CSIR-NIO)**

Dona Paula – 403004, Goa, India

<https://www.nio.res.in/>

Main Office

Regional Centre



## CSIR - National Institute of Science Communication and Policy Research (CSIR-NIScPR)



**Director: Dr. Ranjana Aggarwal, [director@niscpr.res.in](mailto:director@niscpr.res.in)**

### Key Facts:

- \* Established in 2021.
- \* Dedicated to science communication, policy research, and science education.

### Highlights:

- \* Mission is to facilitate the effective communication of scientific knowledge to diverse audiences, inform evidence-based policymaking, and promote public understanding of science and technology.
- \* Aims to bridge the gap between science and society, foster informed decision-making, and promote the use of scientific knowledge for societal development.



### Key Research Areas

- Science Communication Strategies
- Science Journalism and Media Studies
- Science Policy Analysis
- Science Education and Outreach
- Science Diplomacy and International Collaboration
- Science and Society Studies

**CSIR-National Institute for Science Communication and Policy Research (CSIR-NIScPR)**

Dr. KS. Krishnan Marg, New Delhi-110012, India

<https://niscpr.res.in/>



## CSIR - National Metallurgical Laboratory (CSIR-NML)



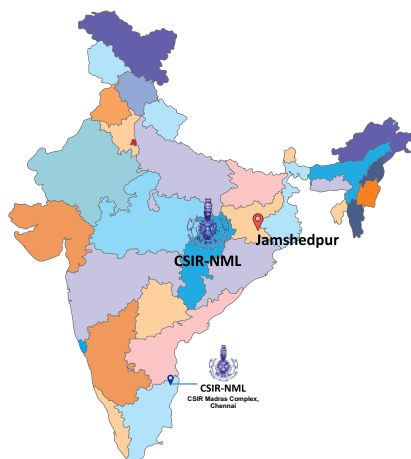
**Director: Dr. Sandip Ghosh Chowdhury, [director.nml@csir.res.in](mailto:director.nml@csir.res.in)**

### Key Facts:

- \* Established in 1950.
- \* Dedicated to metallurgical research and development.

### Highlights:

- \* The institute focuses on addressing challenges in the metallurgical industry and develop innovative solutions for materials processing and manufacturing.
- \* Aims to advance knowledge in metallurgy, promote innovation in materials science and engineering, and contribute to the growth and competitiveness of India's metallurgical industry.



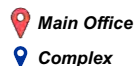
### Key Research Areas

- Alloy Development and Characterization
- Material processing and Manufacturing Technologies
- Extractive Metallurgy and Mineral processing
- Valorisation of Industrial Wastes
- Surface Engineering and Coating
- Materials Characterization and Evaluation
- Advance Materials for specific applications

**CSIR-National Metallurgical Laboratory (CSIR-NML)**

Jamshedpur- 831001, Jharkhand, India

<http://www.nml.res.in>







## CSIR - National Physical Laboratory (CSIR-NPL)



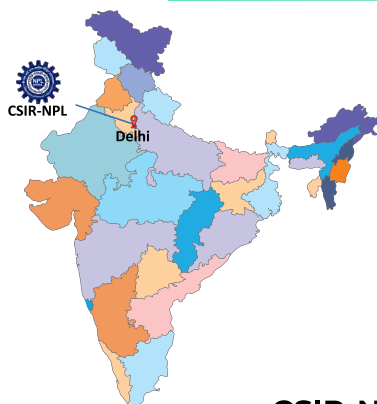
**Director: Prof. Venugopal Achanta, [director@nplindia.org](mailto:director@nplindia.org)**

### Key Facts:

- \* Established in 1947.
- \* Dedicated to scientific research, measurement standards, and technology development.

### Highlights:

- \* Primary mission is to establish and maintain measurement standards for physical quantities, ensure accuracy and reliability in measurements, and support scientific research and industrial development.
- \* Aims to advance scientific knowledge, promote innovation, and contribute to the growth and competitiveness of Indian industry.



### Key Research Areas

- Metrology and Measurement Standards
- Quantum Science and Technology
- Nanotechnology and Nanomaterials
- Materials Science and Characterization
- Environmental Monitoring and Analysis
- Instrumentation and Sensing Technologies

**CSIR-National Physical Laboratory (CSIR-NPL)**

Dr. K.S. Krishnan Marg, New Delhi – 110012, India

<https://www.nplindia.org/>



## CSIR - Structural Engineering Research Centre (CSIR-SERC)



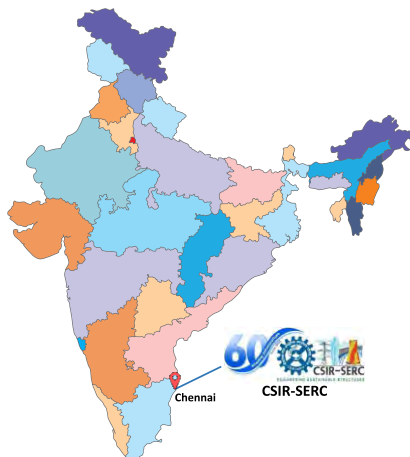
**Director: Dr. N. Anandavalli, [director@serc.res.in](mailto:director@serc.res.in)**

### Key Facts:

- \* Established in 1965.
- \* Dedicated to structural engineering research and technology development.

### Highlights:

- \* Primary mission is to advance knowledge and innovation in structural engineering, including design, analysis, testing, and rehabilitation of structures.
- \* Aims to enhance the resilience, safety, and sustainability of civil infrastructure in India and beyond.
- \* To be a global leader in Structural Engineering by excelling in research in frontier and cutting edge areas.
- \* Developing competitive technologies by embracing innovative inter- and trans- disciplinary approaches for the benefit of society and industry.



### Key Research Areas

- Disaster Mitigation including Earthquake, Wind and Man-made hazards
- Structural Health Monitoring (SHM) & Life Extension
- Advanced Materials for Sustainable Structures
- Special and Multifunctional Structures
- Offshore Structures
- Energy Infrastructure

**CSIR-Structural Engineering Research Centre (CSIR-SERC)**

Taramani, Chennai - 600113 Tamil Nadu, India

<https://serc.res.in/>





BIOLOGICAL SCIENCES		ENGINEERING SCIENCES	
CSIR-CCMB	Centre for Cellular and Molecular Biology, Hyderabad	CSIR-AMPRI	Advanced Materials and Processes Research Institute, Bhopal
CSIR-CDRI	Central Drug Research Institute, Lucknow	CSIR-CBRI	Central Building Research Institute, Roorkee
CSIR-CFTRI	Central Food Technological Research Institute, Mysuru	CSIR-CGCRI	Central Glass and Ceramic Research Institute, Kolkata
CSIR-CIMAP	Central Institute of Medicinal & Aromatic Plants, Lucknow	CSIR-CMERI	Central Mechanical Engineering Research Institute, Durgapur
CSIR-IICB	Indian Institute of Chemical Biology, Kolkata	CSIR-CRRI	Central Road Research Institute, New Delhi
CSIR-IIIM	Indian Institute of Integrative Medicine, Jammu	CSIR-IMMT	Institute of Minerals and Materials Technology, Bhubaneswar
CSIR-IITR	Indian Institute of Toxicology Research, Lucknow	CSIR-NAL	National Aerospace Laboratories, Bengaluru
CSIR-IGIB	Institute of Genomics & Integrative Biology, Delhi	CSIR-NEERI	National Environmental Engineering Research Institute, Nagpur
CSIR-IHBT	Institute of Himalayan Bioresource Technology, Palampur	CSIR-NML	National Metallurgical Laboratory, Jamshedpur
CSIR-IMTech	Institute of Microbial Technology, Chandigarh	CSIR-SERC	Structural Engineering Research Centre, Chennai
CSIR-NBRI	National Botanical Research Institute, Lucknow		
PHYSICAL SCIENCES			
CSIR-CEERI	Central Electronics Engineering Research Institute, Pilani		
CSIR-CSIO	Central Scientific Instruments Organisation, Chandigarh		
CSIR-NIO	National Institute of Oceanography, Goa		
CSIR-NPL	National Physical Laboratory, New Delhi		
CSIR-NGRI	National Geophysical Research Institute, Hyderabad		
INFORMATION SCIENCES			
CSIR-4PI	Fourth Paradigm Institute, Bengaluru		
CSIR-NIScPR	National Institute of Science Communication and Policy Research, New Delhi		
CHEMICAL SCIENCES			
CSIR-CECRI	Central Electrochemical Research Institute, Karaikudi	CSIR-IIP	Indian Institute of Petroleum, Dehradun
CSIR-CLRI	Central Leather Research Institute, Chennai	CSIR-NCL	National Chemical Laboratory, Pune
CSIR-CIMFR	Central Institute of Mining & Fuel Research, Dhanbad	CSIR-NEIST	North-East Institute of Science and Technology, Jorhat
CSIR-CSMCRI	Central Salt & Marine Chemicals Research Institute, Bhavnagar	CSIR-NIIST	National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram
CSIR-IICT	Indian Institute of Chemical Technology, Hyderabad		
Units			
CSIR-HRDC	Human Resource Development Centre, Ghaziabad		
CSIR-TKDL	Traditional Knowledge Digital Library, New Delhi		
CSIR-URDIP	Unit for Research and Development of Information Products, Pune		
Innovation Complex			
CSIR Innovation Complex, Mumbai			







सीएसआईआर  
CSIR  
भारत का नवाचार इंजन  
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**Council of Scientific & Industrial Research, New Delhi**