



AcSIR

ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH

An Institution of National Importance established by an Act of Parliament

Admission Brochure - August-2026 session



Scan here



**Last Date to Apply
14 April 2026**

Largest Academic institution for Doctoral Research in India

Content

Description	Pg.no.
About AcSIR	1
AcSIR at a Glance	4
Program offered	5
Eligibility Criteria <ul style="list-style-type: none">- PhD Sciences- PhD Medical Research- PhD Engineering- IDDP (Integrated Dual Degree Program M.Tech +PhD)	8
iPhD Program	14
Associated Research Institute& Research areas	17
InternationalJoint PhD(Cotutelle)Program	40
Online Admission PortalInstructions	43
Program-wise SemesterFees structure	43
Academic requirementfor PhD & IDDP	44



ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH



An Institution of National Importance

The Academy of Scientific and Innovative Research was established as an “Institution of National Importance” through an Act of Parliament in 2012. AcSIR is an overarching institution encompassing 78 prestigious Research Institutes, which among others include: 38 Institutes of the Council of Scientific and Industrial Research (CSIR), 28 Institutes of the Indian Council of Medical Research (ICMR), 5 Institutes of Department of Science & Technology (DST).

VISION AND MISSION

“

The Mission of the Academy is to create highest quality personnel with cross-disciplinary knowledge, aiming to provide leaders in the field of science and technology”

OUR LEADERS



Dr. Jitendra Singh
Hon'ble Minister of State (I/C) of
Ministry of Science & Technology,
Ministry of Earth Sciences,
Minister of State in the Prime Minister's Office,
Ministry of Personnel, Public Grievances and Pensions,
Department of Atomic Energy &
Department of Space



Prof. P. Balaram
Chancellor, AcSIR
Chairperson, Board of Governors, AcSIR



Prof. N. Kalaiselvi
Director General, CSIR & Secretary, DSIR
Vice Chairperson, Board of Governors, AcSIR



Prof. Manoj Kumar Dhar
Director, AcSIR
Chairperson, Senate, AcSIR

9th CONVOCATION November 22, 2025



3

- **AcSIR is currently the largest educational institution in India for Doctoral Research in STEMM, having awarded 958 Ph.D. degrees in 2025 and with more than 7000 students currently enrolled in the Ph.D. program**
- **AcSIR offers a fully funded opportunity to its Ph.D. students to pursue a part of their research for one year in top-tier international universities, under Joint Ph.D. Degree (cotutelle mode) program**

AcSIR AT A GLANCE

RANKING



9th



13th

nature
INDEX

10th



9th



>7000

PhD students enrolled



958

PhDs awarded in 2025



>7000

Alumni



>25000

Publications by Students



>1000

PhD enrollment per year



3214

Faculty



~1200

Patents by Students



78

Campuses Pan India

ACADEMIC PROGRAMS OFFERED

PhD in Science
PhD in Engineering
PhD in Medical Research
IDDP (Integrated Dual Degree Program)
M.Sc. /M.Tech/ M.P.H/ MHQM
PG Diploma

FACULTY OF STUDIES

AGRICULTURAL
SCIENCES

BIOLOGICAL
SCIENCES

CHEMICAL
SCIENCES

ENGINEERING
SCIENCES

MATHEMATICAL
& INFORMATION
SCIENCES

PHYSICAL
SCIENCES

MEDICAL
RESEARCH

Master of Science

- Food Technology
- Clinical Research
- Wildlife Science
- Freshwater Ecology and Conservation

Master of Technology

- Farm Machinery and Power Engineering
- Design of Machinery and Equipment
- Mechatronics
- Computational Biology and Bio Engineering
- Chemical Engineering
- Polymer Engineering
- Advanced Instrumentation Engineering
- Corrosion Science & Engineering

Other Masters Program

- Master of Public Health
- Master in Healthcare Quality Management

IDDP (M.Tech + PhD)

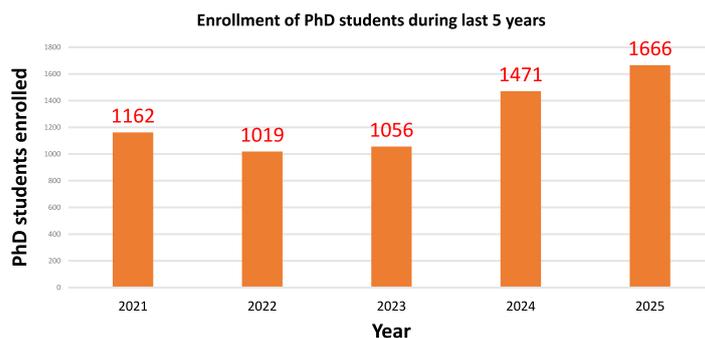
- Chemical Engineering
- Computational Biology and Bio Engineering
- Polymer Engineering
- Machine Design
- Mechatronics
- Advanced Electronics Engineering
- Materials Resource Technology
- Materials Science and Engineering
- Engineering of Structures
- Chemical Engineering
- Materials Science Engineering and Technology
- Building Engineering and Construction Technology
- Chemical and Electrochemical Engineering
- Metallurgical and Materials Engineering
- Environmental Systems Engineering and Modelling
- Advanced Instrumentation Engineering
- Mining Engineering
- Civil & Environmental Engineering
- Chemical & Bio-Chemical Engineering
- Mechanical Engineering
- Bio-technology

Post Graduate Diploma

- Precision Measurement and Quality Control
- Patinformatics
- Gardening & Nursery Management
- Lifestyle Accessories
- Leather Technology
- Public Health
- Healthcare Quality Management

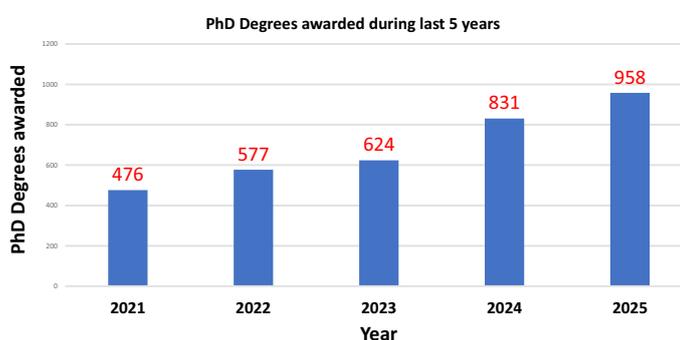
Currently AcSIR has the highest number of PhD students enrolled for PhD degree(>7000) among educational institutions in India

Ph.D Enrolled

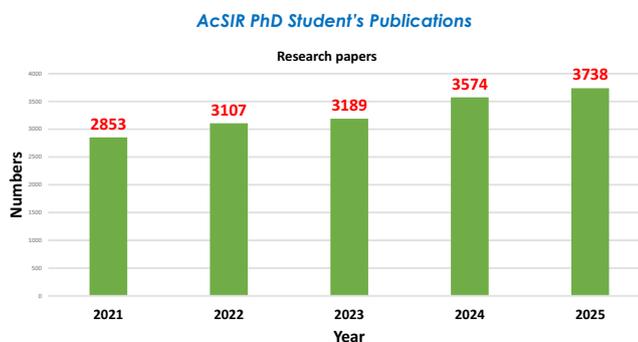


Currently AcSIR awards the highest number of PhD degrees/year among educational institutions in India

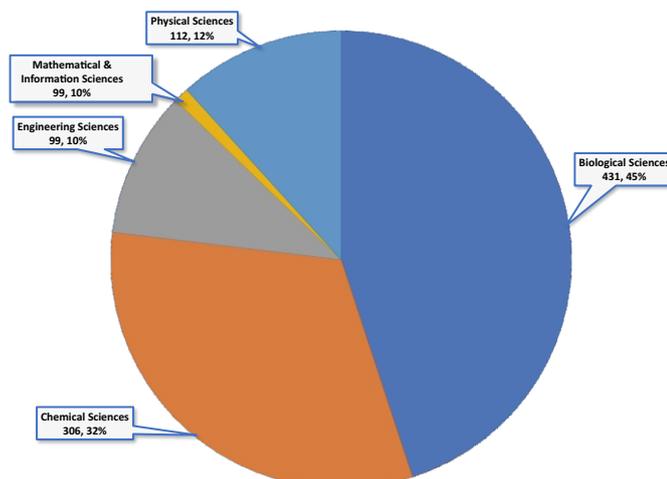
Ph.D Awarded



Publications



Faculty-wise PhDs awarded (958) in 2025



Eligibility Criteria for Admission

PhD Sciences (Biological Sciences, Chemical Sciences, Physical Sciences, Mathematical & Information Sciences, Agricultural Sciences):

Qualifying degree:

A 2-year/4-semester Master's degree in Science after a 3-year/6-semester Bachelor's degree in Science, with at least 55% marks in aggregate or its equivalent grade in a point-scale.

OR

A 4-year/8-semester Bachelor's degree in Science with a minimum of 75% marks in aggregate or its equivalent grade on a point -scale.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS).

Eligible categories:

National-level fellowship (Tenable at all AcSIR Associated Research Institutes except ICMR Institutes): Applicant should have a valid National-level Fellowship of any funding agency (e.g. CSIR, ICMR, UGC, DBT, INSPIRE, RGNF, etc).

OR

Institutional fellowship (Tenable only at DST-CeNS, DST-IASST, DST-IIA, DST-ARIES, MoEFCC-WII, TIGS): Applicants without any National-level Fellowship may apply for the Institutional fellowship at the select AcSIR Associated Research Institutes. For more details, please visit the websites of the concerned AcSIR Associated Research Institutes.

OR

Temporary project staff of AcSIR Associated Research Institutes (Tenable at all AcSIR Associated Research Institutes except ICMR Institutes): Project Assistants, Senior Research Fellows, and other temporary project staff. NOC from the current employer is mandatory.

OR

Industry/Institute Sponsored candidates (Tenable at all AcSIR Associated Research Institutes except ICMR Institutes): Permanent Employees working in an Industry; Permanent Scientific/Technical employees of Associated Research Institutes of AcSIR. NOC from the current employer (Industry/Institute) is mandatory

Eligibility Criteria for Admission

PhD (Medical Research) (tenable only at ICMR Institutes, MAX and TIGS):

Qualifying degree:

Doctor of Medicine (D.M.) or Master of Chirurgiae (M.Ch.) or Doctor of Medicine (M.D.) or Master of Surgery (M.S.) from the National Medical Commission (NMC) (erstwhile Medical Council of India) recognized Medical College.

OR

Master's degree in Science/Public Health with at least 55% marks in aggregate or its equivalent grade in a point-scale.

OR

Master's in Population Studies, Social Medicine, Community Health, Anthropology, Sociology, Social Work, Mathematical Sciences, Economics, Biostatistics and Demography with at least 55% marks in aggregate or its equivalent grade in a point-scale.

OR

MCA/M.Sc in Computer Science or equivalent with at least 55% marks in aggregate or its equivalent grade in a point-scale.

OR

Bachelor of Medicine and Bachelor of Surgery (MBBS), or Bachelor of Dental Surgery (BDS)/ Master of Dental Surgery (MDS), from the National Medical Commission (NMC) (erstwhile Medical Council of India) recognized Medical College, with at least 55% marks in aggregate or its equivalent grade in a point-scale.

OR

4-year/8-semester bachelor's degree programme in relevant field with at least 55% marks in aggregate or its equivalent grade in a point-scale.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS).

Eligible categories:

National-level fellowship (Tenable at all ICMR Institutes, MAX-SMAIR and TIGS): Applicant should have a valid National-level Fellowship of any funding agency (e.g. CSIR, ICMR, UGC, DBT, RGNF, etc).

OR

Temporary project staff of AcSIR Associated research institutes (Tenable only at MAX-SMAIR and TIGS): Project Assistants, Senior Research Fellows, and other temporary project staff. NOC from the current employer is mandatory.

OR

Industry/Institute Sponsored candidates (Tenable at all ICMR Institutes, MAX-SMAIR and TIGS): Permanent Employees working in an Industry; Permanent Scientific/Technical employees of Associated Research Institutes of AcSIR. NOC from the current employer (Industry/Institute) is mandatory.

Eligibility Criteria for Admission

PhD (Engineering):

Qualifying degree:

A 2-year/4-semester Master's degree in Engineering/Technology after a 4-year/8-semester Bachelor's degree, with at least 55% marks in aggregate or its equivalent grade in a point-scale

OR

A 4-year/8-semester Bachelor's degree in Engineering/Technology with a minimum of 75% marks in aggregate or its equivalent grade on a point -scale.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS).

Eligible categories:

National-level fellowship (Tenable at all AcSIR Associated Research Institutes except ICMR Institutes): Applicant should have a valid National-level Fellowship of any funding agency (e.g. CSIR, ICMR, UGC, DBT, INSPIRE, RGNF, etc).

OR

Self-sponsored

OR

Institutional fellowship (Tenable only at DST-ARIES): Applicants without any National-level Fellowship may apply for the Institutional fellowship at the select AcSIR Associated Research Institutes. For more details, please visit the website of the concerned AcSIR Associated Research Institute.

OR

Temporary project staff of AcSIR Associated research institutes (Tenable at all AcSIR Associated Research Institutes except ICMR Institutes): Project Assistants, Senior Research Fellows, and other temporary project staff. NOC from the current employer is mandatory.

OR

Industry/Institute Sponsored candidates (Tenable at all AcSIR Associated Research Institutes): Permanent Employees working in an Industry; Permanent Scientific/Technical employees of Associated Research Institutes of AcSIR. NOC from the current employer (Industry/Institute) is mandatory.

Eligibility Criteria for Admission

Integrated Dual-Degree PhD (IDDP) Program:

Qualifying degree: A 4-year/8-semester Bachelor's degree in Engineering/Technology, with at least 55% marks in aggregate or its equivalent grade in a point-scale.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS).

Eligible categories:

National-level fellowship: Applicant selected with valid GATE score and joining in IDDP may apply for CSIR-GATE-JRF Fellowship (<https://www.csirhrdg.res.in/Home/Index/1/Default/3464/58>).

OR

Self-sponsored

OR

Industry/Institute Sponsored candidates: Permanent Employees working in an Industry; Permanent Scientific/Technical employees of Associated Research Institutes of AcSIR. NOC from the current employer (Industry/Institute) is mandatory with grant of leave for the first two semesters.

M.Tech.

Qualifying degree: A 4-year/8-semester Bachelor's degree in Engineering/Technology, with at least 55% marks in aggregate or its equivalent grade in a point-scale.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS).

Eligible categories:

Self-sponsored

OR

Industry/Institute Sponsored candidates: Permanent Employees working in an Industry; Permanent Scientific/Technical employees of Associated Research Institutes of AcSIR. NOC from the current employer (Industry/Institute) is mandatory with grant of leave for the first two semesters.

Eligibility Criteria for Admission

Eligibility for Project Assistants: -

- i. For the sake of determining the eligibility for PhD admission, the "Project Assistants" will be considered equivalent to all such temporary employment in on-going research projects at the institute including nomenclatures such as project JRF/SRF, project fellow/senior project fellow, project associates, research intern, etc.
- ii. Only those Project Assistants working in the Institutes may be considered for admission to AcSIR Ph.D. program who have been in temporary employment as a Project Assistant in a sanctioned R&D project in the same Institute for at least one year (one year will be determined as on the last date of admission confirmation by payment of fees, as notified by AcSIR for each Academic Session in which the Project Assistant intends to seek admission for Ph.D.), and can only apply with the prior permission of the PI of the project and concurrence of the Director of the Institute;
- iii. Project Assistants who have not qualified any National level Examination, will need to have at least one patent (Filed) or one publication in a SCI journal with substantial research contribution as a coauthor by the day of application;
- iv. Project Assistants who have qualified any PhD qualifying National level Examination [NET (Category 2 and 3) as per public notice no.F.-1 (UGC-NET Review Committee)/2024(NET)/140648 dated March 27, 2024, GATE, BET, JEST, etc.], even without eligible fellowship, will be exempted from the eligibility criteria of having one publication;
- v. The selection shall be made on the basis of an interview by the Selection Committee constituted at the Institute;
- vi. On completion of their tenure of the R&D project from which the student was drawing his/her fellowship, the student may be given an option to continue in the Ph.D program without a fellowship, with approval of the Director of the concerned Institute, failing which their admission in the Ph.D program will stand cancelled.

Eligibility Criteria for Admission

General Guidelines for all Applicants

1. Applicants whose final results are awaited, but are otherwise eligible as per the criteria, can also apply. If selected, they will be provisionally admitted to the program. Their continuation in the program will be subject to securing required percentage/ equivalent grade (depending on the cutoff marks for screening for the specific program), submission of marks-sheet of their final result, and meeting the other eligibility criteria, at the time of joining the program.
2. The tuition fee once paid by the student selected for PhD admission to any AcSIR Research Institute, is transferable to any other AcSIR-associated institute, where the student has been also selected for admission in the PhD program (including being selected from the waiting list), subject to the availability of seats. The tuition fee would only be transferable till the commencement of the academic session, as notified by AcSIR-HQs. for admission to that particular semester.

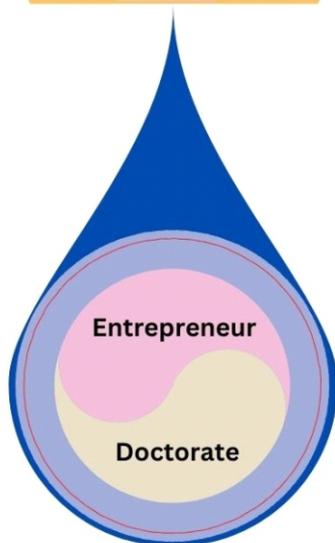
First of its kind in INDIA

iPhD

imaginative, innovative, industry linked program



Student to Sciencepreneur



Agreement signed between AcSIR & NIF-India
AcSIR - NIF Doctoral Innovation Fellowship

**Last Date to apply
March 15, 2026**

Scan here



Features

- Curriculum based on innovation and Entrepreneurship
- Backed by Industrial support
- Guided by competent mentors
- Worldclass research infrastructure

Partner



National Innovation Foundation

Five students have joined in First cohort

Structure of the *i*PhD program

Program focus

Research to develop new product/ technology for Nation Progress & societal good

Eligibility

Master degree holder with demonstrated entrepreneurial activities

Mentorship

- Selected candidates shall jointly be supervised for Ph.D. by the faculty of AcSIR and Industrial expert
- Potential AcSIR Supervisors should possess documented experience in Industrial Projects; OR, Filed patent(s); OR Industrial Technology development

Coursework

- Minimum credit requirement of 18 credits
- Built-in flexibility for completing the specially designed courses, as detailed (cont. in next page)

Monitoring:

- Monitoring Committee (having industry experts as members) shall review the progress of the student every 6 months.
- Monitoring Committee shall be constituted by the Director, AcSIR and shall also serve as Doctoral Advisory Committee (DAC).

Comprehensive Examination

Evaluation of progress in technology at the end of 3rd year

Residency

Student shall have flexibility to work in different Labs (industrial or scientific) and/or remain in field

Program Duration

The Ph.D. degree program shall be for a minimum duration of three (3) years, including course work and a maximum of six (6) years from the date of admission to the Ph.D. program

Thesis submission pre-requisites

Filing of two Patents is mandatory before submission of Ph.D. thesis.

Award of Ph.D. degree

Thesis on TRL 4 level technology and its evaluation by Technologists/ industry Experts for the award of the Ph.D degree.

Post Ph.D. Support

Support with respect to incubation of business idea, etc.

*i*Ph.D

Student to Sciencepreneur

(Notification for *i*PhD will be released shortly for Jan 2026)

PhD program

Coursework

- Minimum credit requirement of 18 credits
- Built-in flexibility for completing the specially designed courses, as detailed (cont. in next page)

Research Methodology: 4

Research & Publication Ethics: 2

Credits from Advanced Courses of the domain: 6 credits

Credits from the Innovation, Start-up, Management domain: 6 credits

Core Coursework (to be completed within 3 years of enrolment, from SWAYAM / NPTEL or alternate arrangement):

1. Innovation and Start-up Policy (SWAYAM)

The policy framework for promoting innovation and startups in India; the innovation ecosystem, including institutions and key concepts. Innovation and Innovation Ecosystem; Policy Framework; Startup Landscape and Innovation Hubs; Digital India and Make in India; Linking Innovation with IPR; Raising Finance for Startups in India; Innovation in Indian Context; Writing a Business Plan

2. Managing Innovation (SWAYAM)

To develop an innovative mindset, design thinking, and managing Research & Development. The process of innovation; Developing an innovative mindset; Design thinking for innovation; Managing Research & Development; Open innovation; Creating an innovative organization; Measuring and sustaining innovation; Systematic approach to innovation; Building an innovation pipeline; Improving idea velocity; Enhancing business impact through an 8-step methodology.

3. Valuation and Creating Sustainable Value (SWAYAM)

Valuing companies and projects, with an emphasis on sustainable value creation. Fundamental concepts in finance, accounting, and valuation; Introduction to Valuation; Discounted Cash Flow Method; Relative Valuation; Real Options; Value Enhancement: Strategic choices; Start-up Valuation; Drivers for Creating Sustainable Value; Framework for Sustainable Growth

4. IP Management & Technology Transfer (NPTEL)

To understand the principles of Intellectual Property (IP) and its management. Covers patents, trademarks, copyrights, and trade secrets. Technology transfer processes and commercialization of inventions. Introduction to IP & IP Management; IP Lifecycle Management; Use of IP Analytics for IPM; Technology Transfer Concepts and Methods; IP and Technology Transfer Contracts; Commercialization of Inventions.

AcSIR associated Research Institutes



- Council of Scientific and Industrial Research (CSIR) - 38
- ▲ Indian Council of Medical Research (ICMR) - 28
- Other Research Institutes - 12

AcSIR Associated
Research Institutes

Faculty of Studies

Areas of Research

CSIR - Advanced Materials and Process Research Institute, Bhopal



CSIR-AMPRI, BHOPAL

Engineering Sciences

Biological Sciences

- Alloys, Composites & Cellular Materials
- Green Engineered & Additive Manufacturing
- Hybrid Building Materials & Manufacturing
- Industrial Waste Utilization, Nano & Biomaterials
- Intelligent materials & Advanced Processes
- Water Resources Management & Rural Technologies

CSIR - Central Building Research Institute, Roorkee



केंद्रीय वास्तु अनुसंधान संस्थान, रूड़की
CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE
(A Constituent Establishment of CSIR)

CSIR-CBRI, ROORKEE

Engineering Sciences

- Advanced Concrete, Steel & Composites
- Architecture Planning and Energy Efficiency
- Building Materials & Environmental Sustainability
- Construction Automation & Robotics
- Fire Safety Engineering
- Geotechnical Engineering & Geohazards
- Heritage & Special Structures
- Structural Engineering

CSIR - Centre for Cellular & Molecular Biology, Hyderabad



CSIR-CCMB, HYDERABAD

Biological Sciences

- Developmental Biology
- Structural Biology
- Genomics and Epigenetic Regulation
- Cell and Stem Cell Biology
- Microbes and Biology of Infection
- Wildlife Conservation and Ecology
- Crop Improvement
- Innovation and Technology Development

CSIR - Central Drug Research Institute, Lucknow



CSIR-CDRI, LUCKNOW

Biological Sciences

- Malaria and other Parasitic Diseases
- Antimicrobial Resistance
- Virus Research & Therapeutics
- Cancer Biology
- Neuroscience & Ageing Biology
- Cardiovascular system Disorders
- Bone Health & Metabolic Bone Diseases
- Reproductive Health Research
- Pre-clinical studies & Translational Research

Chemical Sciences

- Organic & Medicinal Chemistry
- Natural Product Chemistry
- Chemical Biology
- Spectroscopy & Its applications
- Crystal Engineering

CSIR - Central Electrochemical Research Institute, Karaikudi



CSIR-CECRI, KARAIKUDI

Engineering Sciences

- Corrosion and Materials Protection
- Electrochemical Power Sources
- Electroplating & Metal Finishing
- Electrodics & Electrocatalysis
- Materials Electrochemistry
- Electrochemical Process Engineering

CSIR - Central Electronics Engineering Research Institute, Pilani



CSIR-CEERI, PILANI

Physical Sciences

- Semiconductors and optoelectronics
- Semiconductor Sensors and Microsystems
- Advanced Information Technologies
- Integrated Circuits and Systems
- Microwave
- High frequency components
- Devices and systems
- High-Power Microwave Systems

Engineering Sciences

- Semiconductor-based sensors and microsystems
- Semiconductor Processes Technologies
- Advanced Information Technologies
- Integrated Circuits and Systems
- Vacuum Electron Devices
- High-Frequency Devices and Systems
- High-Power Microwave Systems

CSIR - Central Food Technological Research Institute, Mysuru



CSIR-CFTRI, MYSURU

Biological Sciences

- Biotechnology
- Microbiology
- Biochemistry
- Molecular Nutrition
- Food Science and Technology

Chemical Sciences

- Packaging Technology
- Flavour Chemistry
- Natural Product Chemistry
- Synthetic Organic
- Bioactives from Food Sources
- Specie Chemistry

Engineering Sciences

- Food Engineering
- Environmental Engineering
- Design and Fabrication
- Food Science and Nutrition
- Fruit and Vegetable Technology

CSIR - Central Glass & Ceramic Research Institute, Kolkata



CSIR-CGCRl, KOLKATA

Engineering Sciences

Orthopaedic, dental and maxillofacial implants/materials
 Electrochemical Power Sources
 Tissue engineering & drug delivery
 Reconstructive and Trauma materials
 Coatings
 Ceramic materials
 polycrystalline diamond materials for
 -electron tubes

CSIR - Central Institute of Medicinal & Aromatic Plants, Lucknow



CSIR-CIMAP, LUCKNOW

Biological Sciences Agricultural Sciences

Phytochemistry
 Bio-Prospection & Product Development
 Plant Biotechnology
 Crop Protection and Production
 Plant Breeding & Genetic Resource Conservation
 Technology Dissemination and
 Computational Biology

CSIR - Central Institute of Mining and Fuel Research, Dhanbad



CSIR-CIMFR, DHANBAD

Chemical Sciences

Clean Coal technology
 Carbon Capture, Utilization and Storage (CCUS)
 Earth and Environmental Sciences

Engineering Sciences

Mining Engineering
 Mine Mechanization and Automation
 Rock Excavation Engineering
 AI & ML in Mining
 Environmental Engineering & Management
 Mining Machinery

CSIR - Central Leather Research Institute, Chennai



CSIR-CLRI, CHENNAI

Chemical Sciences

Novel polymeric materials for leather.
 Plastic electronics.
 Conjugated polymers .
 Synthesis of liquid crystalline molecules
 Single-walled carbon nanotubes
 Ionic liquid crystalline polyurethane blends,
 composites and foam composites.
 Supramolecular polymers
 polyurethane-drug conjugates in drug delivery.
 Thermoresponsive polymers
 Nanoclays for filling cum retanning in leather

CSIR - Fourth Paradigm Institute, Bengaluru



CSIR-4PI, BENGALURU

Mathematical & Information Sciences

Data Science and Supercomputing
 Earth & Engineering Sciences

Biological Sciences

Seaweed biotechnology
 Seaweed metabolomics and nutraceuticals
 marine biology
 Algal biostimulant & biofertilizer
 Plant Abiotic stress
 Plant proteomics & metabolomics
 Plant Biotechnology & Plant Molecular Biology
 Soil/ marine microbiology
 Plant Tissue Culture
 Seaweed cultivation
 Plant gene cloning & genetic engineering
 Plant transgene technology
 Plant genome editing
 Marine environmental monitoring
 Microalgae: value addition and processing
 Plant Physiology
 Breeding & Genetics
 Phytoremediation
 Waste land reclamation & management
 Saline agriculture



CSMCRI
CSIR-CSMCRI, BHAVNAGAR

Chemical Sciences

Inorganic Metal Complexes synthesis
 Electrochemical Energy Conversion
 Organic transformations
 Heterocycle Synthesis & Functionalizations,
 C-H Functionalization
 Asymmetric synthesis
 Ion Exchange Membranes
 Thin Film composite
 Nano filtration & Hollow fibre Membrane
 Reverse and forward Osmosis membrane
 science & technology conducting polyme
 Water Treatment
 Separation Technology
 Ionic liquids
 Solution thermodynamics
 Computational Chemistry Salts and
 Marine Chemicals
 Electrochemical & Optical sensors
 Elecro & Photo catalysis
 Heterogeneous & Homogeneous catalysis
 Seaweed Polysaccharides
 Natural product chemistry Analytical
 Chemistry- Method Developments
 Seaweed Functionalization
 Coordination chemistry
 Chemical process development
 and engineering (speciality
 and other salt & marine chemicals)
 Porous metal-organic and
 covalent-organic frameworks
 Metallopolymeric matrix/gel
 Zeolite & Silica based Materials
 CO₂ capture & utilization
 Chemical biology



CSMCRI

CSIR-CSMCRI, BHAVNAGAR

Engineering Sciences

- Valorization of biomass
- Fermentation Technology
- Marine Environmental monitoring
- Reverse and forward Osmosis membrane -science & technology
- Chemical process development -and Engineering
- Heat & Mass transfer
- Fluid mechanics
- Renewable energy
- Analytical and Process control -instrumentation
- Civil Engineering and
- Engineering aspects of Solar Salt Works
- Embedded systems
- Cooling Crystallization

CSIR - Institute of Genomics and Integrative Biology, New Delhi



CSIR-IGIB, NEW DELHI

Biological Sciences

- Genomics and Molecular Medicine
- Cardiorespiratory Disease Biology
- Chemical and Systems Biology
- Informatics and Big Data
- Integrative and Functional Biology
- Immunology and Infectious Disease Biology

CSIR - Institute of Himalayan Bioresource Technology, Palampur



CSIR-IHBT, PALAMPUR

Biological Sciences

- Agriculture Sciences
- Biochemistry
- Biotechnology
- Microbial Biotechnology
- Fermentation Technology
- Bioinformatics
- Computer Science
- Scientific Computing
- Data Science
- Artificial Intelligence
- Botany
- Entomology
- Forestry & Environmental Sciences
- Food Science
- Food Technology
- Genetics and Plant Breeding
- Plant Molecular Biology
- Floriculture
- Microbiology

- Industrial Microbiology
- Medical Microbiology
- Molecular Microbiology
- Molecular Biology
- Nanotechnology
- Nano biosciences
- Plant Science
- Plant Pathology
- Plant Physiology
- Pharmaceutical sciences (Pharmacology & Pharmacology & Toxicology)
- Zoology
- Human Genetics
- Virology
- Traditional Medicine
- Natural Resource Management
- Statistics
- Remote Sensing & GIS

Chemical Sciences

- Organic Chemistry
- Analytical Chemistry
- Inorganic Chemistry
- Physical Chemistry
- Chemistry
- Pharmaceutical Chemistry

CSIR - Central Mechanical Engineering Research Institute, Durgapur



CSIR-CMERI, DURGAPUR

Engineering Sciences

Humanoids
Underwater Telemanipulators
Soft Robots, Soft Actuators and SoftSensors
Rehabilitation robotics
Mechatronics and Control,
IoT Embedded System and Data Analytics
Space applications
Civil &Structural Engineering
Mechatronics
Advanced electric drive-train applications

Chemical Sciences

Polymer composites
Energy storage areas
Ionic Polymer Metal Composite

Mathematical & Information Sciences

Robotic systems
Health Care applications
IoT Embedded System and Data Analytics
Artificial Intelligence (AI)

CSIR - Central Road Research Institute, New Delhi



CSIR-CRRI, NEW DELHI

Engineering Sciences

Bridge Engineering and Structures
Geotechnical Engineering
Pavements & Evaluation
Traffic Engineering and safety
Transport Planning and Environment

CSIR - Central Scientific Instruments Organisation, Chandigarh



CSIR-CSIO, CHANDHIGARH

Physical Sciences

Materials
Photonics
Nanotechnology
Physics
Sensors
Holography
Biomolecular Electronics

Engineering Sciences

Mechanical Engineering
Electronics Engineering
Computer Engineering
Optical Engineering
Instrumentation
Biomedical
Image processing
Nanotechnology
Biotechnology
Energy Management
Sensors

CSIR - Indian Institute of Chemical Biology, Kolkata



CSIR-IICB, KOLKATA

Biological Sciences

- Cancer Biology & Inflammatory Disorder
- Cell Biology & Physiology
- Infectious Diseases & Immunology
- Molecular Genetics
- Organic & Medicinal Chemistry
- Structural Biology & Bioinformatics

CSIR - Indian Institute of Chemical Technology, Hyderabad



CSIR-IICT, HYDERABAD

Chemical Sciences

- Organic Chemistry
- Medicinal Chemistry
- Natural Products
- Process Chemistry
- Fluoro Organics
- Agrochemicals
- Catalysis & Fine Chemicals
- Analytical and Structural Chemistry
- Polymers & Functional Materials
- Lipids
- Nano Materials
- Energy Sciences

Biological Sciences

- Biotechnology
- Microbiology
- Zoology
- Pharmaceutics
- Pharmacology
- Environmental Science
- Biomaterials
- Biochemistry

Engineering Sciences

- Chemical Engineering
- Process Engineering
- Lipid Science & Technology
- Polymer Technology
- Oils & Fats Processing
- Separation Science & Technology
- Chemical Kinetics
- Design Engineering
- Energy & Allied Materials

CSIR - Indian Institute of Integrative Medicine, Jammu



CSIR-IIIM, JAMMU

Chemical Sciences

- Natural Products & Medicinal Chemistry
- Phytochemistry
- Synthetic Chemistry
- Quality Management & Instrumentation

Biological Sciences

- Fermentation and Microbial Biotechnology
- Infectious Diseases
- Computational Biology
- Plant Sciences and Agrotechnology (PSA)

Agricultural Sciences

Chemical Sciences

Catalysis
 Catalytic Processes
 Reforming
 Syngas Chemistry
 Biogas
 Advanced Functional Materials
 Adsorption and Absorption
 Carbon Nanomaterials
 Fuels and Energy
 Biofuels
 Lignin Valorization through chemical
 bio-chemical/thermal conversions
 Life cycle analysis
 Petrochemicals
 Green Chemistry
 Specialty Chemicals
 Lubricants and Additives
 Solvent Extraction

CO2 capture and utilization (ccus)
 Chemicals and Energy
 Waste-to-Wealth
 (Waste Plastics, ewaste)
 Hydrogen energy
 Petro-refining Processes
 Hydroprocessing
 Heavy Oil Processing
 Reaction Engineering
 Fluid Catalytic Cracking
 Analytical Methods Development

Biological Sciences

Biomass to Chemicals
 Environmental Science
 Microbial Biotechnology
 Industrial ecology
 Waste water processing
 Microbial Fermentation
 Oleaginous Fermentation
 Material Resource Efficiency
 Circular economy
 Carbon flux assessment
 Microbial-omics
 Nutraceuticals and API
 Bio-remediation
 Enzymology
 Bio-manufacturing
 Biofuel
 Bioethanol (1G, 2G, 1.5G)



Creating
 Future
 Fuels

CSIR-IIP, DEHRADUN

Physical Sciences

Photovoltaic (PV)
 Batteries
 Solid state hydrogen
 -storage material

Engineering Sciences

Mass Transfer
 Process Intensification
 Material characteristics
 Lubricant materials
 Tribology
 High entropy alloy



CSIR-IITR, LUCKNOW

Biological Sciences

Toxicoinformatics & Industrial Research
 Environmental Toxicology
 Food, Drug & Chemical Toxicology
 Systems Toxicology & Health Risk Assessment
 Regulatory Toxicology

Physical Sciences

Physics
 Electronics
 Geology
 Materials sciences
 Nano-sciences

Biological Sciences

Biology
 (Plant sciences/Botany,
 Animal sciences/Zoology)
 Environmental Sciences
 Microbiology,
 Biotechnology

Chemical Sciences

Chemistry
 (Physical/Organic /Inorganic
 /analytical)
 Materials
 Environmental
 Nano-sciences



CSIR-IMMT, BHUBANESWAR

Mathematical & Information Sciences

Information

Engineering Sciences

Metallurgical Engineering
 Chemical Engineering
 Mineral Engineering
 Mechanical Engineering
 Electronics Engineering
 Electrical Engineering
 Computer Science Engineering
 Information Technology Engineering



CSIR-IMTECH, CHANDIGARH

Biological Sciences

- Antimicrobial Research
- Virology
- Microbiome
- Biotherapeutics and Metabolics
- Microbial Type Culture Collection
- Biochemical Engineering
- Diagnostics
- Bioinformatics and Big Data Analytics
- Screening Platforms
- Genomics and Structural Biology
- Instrumentation & Core Facilities
- Medicinal Chemistry
- IT Facilities
- iCARE



CSIR-NAL, BENGALURU

Engineering Sciences

- Corrosion & Tribology
- Energy
- Function Materials
- Nanoscale Architecture
- Sensors
- Structural Ceramics
- Aircraft Radome Technology
- Autopilot Systems



CSIR-NBRI, LUCKNOW

Biological Sciences
Agricultural Sciences

- Plant Molecular Biology
- Biodiversity
- Toxonomy
- Environmental Science
- Plant Microbe Interaction
- Phytochemistry
- Soil Science



CSIR-NCL PUNE

Chemical Sciences

- | | |
|--|--|
| <ul style="list-style-type: none"> New catalytic materials Speciality chemicals Soft Condensed Matter Physics Polymers Polyolefin Science and Technology Polymer Membrane Technology / Fuel cell Conductive Polymers and Energy Materials Sustained and Controlled Release Technology Personal Protective Equipment (PPE) recycling Nano-materials & nanoparticles Medicinal chemistry Process chemistry Custom synthesis Isolation of natural products Total synthesis of natural products Carbohydrate chemistry | <ul style="list-style-type: none"> Oligonucleotides Peptidomimetics Synthetic foldamers Biocatalysis Photochemistry Organo catalysis Homogenous catalysis Asymmetric synthesis Organic functional materials Organic dyes Entomology Bioorganic Chemistry Chemical Biology Computational Chemistry Quantum Computing |
|--|--|

Biological Sciences

Proteomics
Computational biology
Fermentation
Enzymology and microbiology
Plant biochemistry and molecular biology
Structural biology
National collection of industrial microorganisms
Biosimilars
Cellulosics
Microbiology and Microbial Diversity
Microbial Technology
Microbe derived Bioactive Molecules
Antimicrobial Resistance
Human and Animal Pathogen Surveillance
(Environmental and Clinical)
Drug resistance in Infectious Disease (Malaria)
Pathogen Biology
(Malaria, Toxoplasmosis, Salmonellosis)
Disease Epidemiology
Computational and Systems Biology
Genomics and Genome Editing
Plant Biochemistry and Plant Biotechnology
Plant-Pathogen Interaction studies

Bioprospecting of Biodiversity
Human Metabolic and Genetic Disorders
(Diabetes and Cancer)
Structure Biology (X-ray diffraction,
NMR and Cryo-electron Microscopy)
Protein Expression and Functional Characterization
Biomarker studies
Drug Discovery studies
Biotherapeutics Fermentation
Mammalian Cell Culture systems
Plant Natural Products
(biosynthesis pathway studies, isolation, characterization
-and applications)
Bio-Membrane Dynamics
Clinical studies using Omics approach
(Proteomics, metabolomics & Genomics)
Probiotics and Prebiotics
Bio-Nanomaterial and Nanobiotechnology
Drug Delivery systems (Nano and Polymeric)
Diagnostics (Aptamers, CRISPR,
Oxford Nanopore Sequencing, Mass Spectrometry)
Biocatalysis
Biomaterials (Cellulosics)

Physical Sciences

Theoretical computational chemistry
Materials science
Thermodynamics of chemical reactions and
-processes
Nanoscale science
Molecular modelling and simulations
Reaction Kinetics and reaction mechanism
Computational Physics
Quantum Computing
Computational Materials Science

Mathematical & Information Sciences

Machine learning
Artificial Intelligence
Natural Language Processing
Quantum Computing
Mathematical modelling
Systems and network modelling
heoretical Biology AI/DL models for materials design
Quantum computing

Engineering Sciences

Bio-chemical and biological engineering
Bio-chemical and biological engineering
Process separations
Process modelling & engineering
Modular-agile-intensified continuous
(MAGIC) Processes
Continuous flow synthesis
Biochemical and biological engineering
Process Development and Scale-up

Catalysis
Reactors and Separations
Biochemical and Biological Engineering
Chemical Engineering
Polymer science
Plastic & polymer engineering
Nanotechnology
Bioinformatics
biotechnology
computational biology
Computer science
Material science & technology
Metallurgical and material science
& technology
Process modelling and simulation
advanced distillation configurations,
-flow chemistry
Bioengineering
Artificial intelligence
Oncology



CSIR-NCL PUNE



CSIR-NEERI, NAGPUR

Engineering Sciences

Physical Sciences

- Air Pollution Control
- Environmental Impact And Sustainability
- Cleaner Technology and Modelling
- Waste Water Technology
- Water Technology and Management
- Environmental Biotechnology And Genomics
- Climate Change and Green Material
- Environmental Virology Cell
- Health and Toxicity Cell
- Environmental Audit and Policy Implementation
- Chemical and Hazardous Waste Management
- Sophisticated Environmental Analytical Facility
- Waste Reprocessing
- Energy and Resource Management

Biological Sciences

- Zoology
- Biotechnology
- Molecular Biology
- Botany
- Pharmacology
- Biomedical
- Bioinformatics
- Infectious diseases

Chemical Sciences

- Advanced Material
- Coal Chemistry
- Chemical Engineering
- Synthetic Organic Chemistry
- Natural Product Chemistry
- Analytical Chemistry
- Polymer & Petroleum
- Separation Science

Physical Sciences

- Computational Seismology & Geophysics
- Geology
- Geochemistry



CSIR-NEIST, JORHAT

Mathematical & Information Sciences

- Artificial intelligence
- Machine Learning
- Big Data

Engineering Sciences

- Heat & Mass Transfer
- Biomass and Solar Energy
- Advanced Manufacturing
- Mechanical Simulation & Modelling
- Thermo Electric Devices



CSIR-NGRI, HYDERABAD

Physical Sciences

- Airborne Geophysics
- Computational Electromagnetics
- Controlled Source Seismics and Gas Hydrates
- Earth Process Modelling
- Earthquake Hazard
- Electrical and Heliborne Geophysics
- Environmental Seismology
- Geochemistry
- Geochronology
- Geology
- Geomagnetism
- Gravity and Magnetics
- Instrumentation and Engineering Geophysics
- Magnetotellurics
- Paleo-Seismology
- Planetary Sciences
- Seismological Imaging
- Shallow Seismics
- Tectonic Geodesy
- Thermal Geophysics, Rock Mechanics and -Paleomagnetism



CSIR-NIIST, THIRUVANANTHAPURAM

Chemical Sciences

Physical Sciences

Engineering Sciences

Agroprocessing
Sustainable Energy
Environment Technology
Materials Science
Microbial Process
Artificial Intelligence & Machine Learning

Physical Sciences

Marine Geology
Geophysics
Physical Oceanography



CSIR-NIO, GOA

Biological Sciences

Marine Biology
Marine Biotechnology
Marine Ecology

Mathematical & Information Sciences

Applied Mathematics
Atmospheric Ocean Science
& Mathematics

Chemical Sciences

Biogeochemistry
Marine pollution
Marine Natural Products

Engineering Sciences

Ocean Engineering
Marine Instrumentation



CSIR-NIScPR, New Delhi

Mathematical & Information Sciences

Agricultural Sciences

Innovation, Entrepreneurship, and
-Diffusion Research
Energy, Environment & Sustainability
Studies in Science Communication
Agriculture & Sustainable Rural Development
Inclusive Health & Traditional Knowledge
Global Governance & Science Diplomacy
International Popular Science



CSIR-NML, JAMSHEDPUR

Engineering Sciences

Mineral Processing
Process Metallurgy
Physical Metallurgy
Mechanical Metallurgy
Corrosion and Surface Engineering
Advanced material
Waste utilisation

Chemical Sciences

Sustainable materials for green energy
-conversion and storage
Surface chemistry and catalysis
Electrochemistry and corrosion
Waste utilization and recycling
Analytical and environmental chemistry
Functional nanomaterials and coatings
Theoretical chemistry including molecular
-dynamics and DFT simulation



CSIR-NPL, NEW DELHI

Physical Sciences

Organic and Perovskite Solar cells/
Materials Science/Physics
2D materials for optoelectronic devices
/quantum devices
Laser induced white light
Luminescent materials
Perovskite
Oxides and organic semiconductor devices
/2D materials for device applications
Quantum technologies
Optics and instrumentation for laser
-cooling of atoms
Time & Frequency Metrology
Boltzmann constant based
-quantum standards
Infrared thermometry
2D materials and Vacuum Metrology
Semiconductor for optoelectronic properties
3D Printed Electronics and
-Electrochemical Devices
Metal oxide/transition metal chalcogenides
-thin films for gas sensor applications
Stable Lasers Quantum applications
FPGA based Digital and RF signal generator
Time and Frequency Metrology
Semiconductor Thin Film Devices
Physics of nanodevices
Detection of low energy photons
Fabrication of THz absorbers and detectors
Topological Quantum Materials
Including Superconductors/Magnetics
Solar cell reliability
Band engineering in alloys and
-heterostructures of 2D materials
2D materials and phase transitions

Chemical Sciences

Development of carbon
materials for energy applications
Indoor air pollution
Bioaerosols
Atmospheric deposition
Atmospheric aerosols
Metal organic framework for
-hydrogen storage
Measurement of GHG emission
Organic and Perovskite
-Solar cells/ Materials chemistry

Engineering Sciences

Industrial Engineering
Recycling of E-waste and
-Plastic waste to wealth for energy
-and environmental applications
Development of Interferometry
based measurement system
for 100 g
-Kibble Balance
High entropy oxides
Computer Vision
Smart Grid
Microgrid
Metrological characterization
-of PMUs
Application for monitoring
Protection and control of
-the power grid



CSIR-SERC, CHENNAI

Engineering Sciences

Advanced Materials for Sustainable Structures
Disaster Mitigation
Special and Multi-functional Structures
Structural Health Monitoring & Life Extension



CSIR-URDIP, PUNE

Mathematical & Information Sciences

Patinformatics
Toxininformatics
Phytoinformatics
Cheminformatics

The Indian Council of Medical Research (ICMR) Hqrs. New Delhi



ICMR- HQRS. NEW DELHI

Medical Research

Formulation, coordination and promotion of biomedical research

Translating medical innovations in to products/processes and introducing them in to the public health system

ICMR-National JALMA Institute for Leprosy & Other Mycobacterial Diseases, Agra



ICMR-NJIL&OMD, AGRA

Medical Research

Leprosy
Tuberculosis
Mycobacteriosis
HIV
Filariasis

ICMR-National Institute of Traditional Medicine, Belagavi



ICMR-NITM, BELAGAVI

Medical Research

Traditional Medicine: lifestyle and metabolic diseases, geriatric and mental disorders, viral infections

ICMR-National Centre for Disease Informatics and Research, Bengaluru



ICMR-NCDIR, BENGALURU

Medical Research

Cancer
Diabetes
CVD
Stroke

ICMR-National Institute for Research in Environmental Health, Bhopal



ICMR-NIREH, BHOPAL

Medical Research

Environmental Health
Epidemiological Research

ICMR -National Institute of Immunohaematology , Mumbai



ICMR- NIIH, MUMBAI

Medical Research

Hematology
Tranfusion Medicine
Immunology

ICMR-National Institute of Epidemiology, Chennai



ICMR-NIE, CHENNAI

Medical Research

Epidemiological Research
Leprosy

ICMR-National Institute for Research in Digital Health and Data Sciences, New Delhi



ICMR-NIRDHDS, NEW DELHI

Medical Research

Medical Statistics
Bio-medical and bio-behavioral research

ICMR-Regional Medical Research Centre, NE Region, Dibrugarh



ICMR-RMRNE, DIBRUGARH

Medical Research

Mosquito borne diseases
HIV and drug abuse
Trematode infection
Haemoglobinopathies
Cancer nasopharynx, oesophagus, stomach
Cardiovascular diseases
Medicinal plants of NE India
Nutrition

ICMR-National Animal Resource Facility for Biomedical Research, Hyderabad



ICMR-NARFBR, HYDERABAD

Medical Research

Developmental Biology
Reproductive Biology
Neurobiology
Behavioural Sciences
Cardiology
Stem Cell
Molecular Cell Biology
Immunology
Virology

ICMR-National Institute for Research in Tribal Health, Jabalpur



ICMR- NIRTH, JABALPUR

Medical Research

Tribal Health

ICMR-National Institute for Research in Reproductive & Child Health, Mumbai



ICMR-NIRRH, MUMBAI

Medical Research

Reproductive Health

ICMR-Rajendra Memorial Research Institute of Medical Sciences, Patna



ICMR-RMRIMS, PATNA

Medical Research

Visceral Leishmaniasis (Kala-azar)
HIV/AIDS
Tuberculosis

ICMR-Vector Control Research Centre, Puducherry



ICMR-VCRC, PUDUCHERRY

Medical Research

Mosquito borne diseases
HIV and drug abuse
Trematode infection
Haemoglobinopathies
Cancer nasopharynx, oesophagus, stomach
Cardiovascular diseases
Medicinal plants of NE India
Nutrition

ICMR-National Institute of Virology, Pune



ICMR-NIV, PUNE

Medical Research

Cell Repository
Electron Microscopy
Rickettsioses
Hepatitis
Influenza and related viruses
Clinical Virology
Biochemistry
Virus Registry
Biostatistics

ICMR-National Institute of Occupational Health, Ahmedabad



ICMR- NIOH, AHMEDABAD

Medical Research

Environmental stressess/ factors at Workplace
Occupational Health

ICMR-Bhopal Memorial Hospital & Research Centre, Bhopal



ICMR-BMHRC, BHOPAL

Medical Research

Clinical Research
Epidemiological Research

ICMR-Regional Medical Research Centre, Bhubaneswar



ICMR-RMRC, BHUBANESWAR

Medical Research

Lymphatics filariasis
Malaria
Diarrhoeal disorders
Tuberculosis
HIV/AIDS
Haemoglobinopathies
Hypertension
Diabetes
Tribal Health

ICMR-National Institute for Research in Tuberculosis, Chennai



ICMR-NIRT, CHENNAI

Medical Research

Tuberculosis

ICMR-National Institute of Child Health and Development Research, New Delhi



ICMR-NICHDR, NEW DELHI

Medical Research

Tumor Biology
Infectious Diseases
Environmental Toxicology
Adult Stem Cell Biology

ICMR-National Institute of Malaria Research, New Delhi



ICMR- NIMR, NEW DELHI

Medical Research

Malaria Eradication: Basic, applied and operational field research

ICMR-Regional Medical Research Centre, Gorakhpur



ICMR-RMRC, GORAKHPUR

Medical Research

Acute Encephalitis Syndrome (AES)
HIV
Multi drug resistant (MDR)
Tuberculosis
Vector borne diseases like JE, Dengue, and filariasis
Juvenile diabetes and myocarditis
Child and maternal health

ICMR-National Institute of Nutrition, Hyderabad



ICMR-NIN, HYDERABAD

Medical Research

Elimination of Malnutrition

ICMR-National Institute for Implementation Research on Non Communicable Diseases, Jodhpur



ICMR-NIIRNCD, JODHPUR

Medical Research

Cardiovascular diseases
Chronic respiratory diseases
Environmental health
Nutritional disorders
Cancers
Injury & trauma
Mental illnesses including substance abuse
Genetic diseases

ICMR-National Institute for Research in Bacterial Infections, Kolkata



ICMR-NIRBI, KOLKATA

Medical Research

Bacteriology
Clinical Medicine
Electron Microscopy
Epidemiology
Immunology
Parasitology
Pathophysiology
Virology

ICMR-National Institute of Cancer Prevention and Research, Noida



Medical Research

Cancer: Uterine Cervix, Breast and Oral cavity

ICMR- NICPR, NOIDA

ICMR-Regional Medical Research Centre, Sri Vijaya Puram



Medical Research

Leptospirosis
Virology
Diarrhoeal Diseases
Microbiology & Bioinformatics
Molecular Medical Microbiology
Epidemiology and Community
Entomology/Vector Borne Diseases
Clinical Biochemistry
Mycobacterium

ICMR-RMRC, SRI VIJAYA PURAM

ICMR-National Institute of Translational Virology and AIDS Research, Pune



Medical Research

HIV/AIDS

ICMR-NITVAR, PUNE

5 Institutes of DST

DST-The Centre for Nano and Soft Matter Sciences, Bengaluru



DST-CENS, BENGALURU

Physical Sciences

Synthesis and characterization nanomaterials
Device applications utilizing nanomaterials
Liquid crystals
Hybrid materials

DST-Institute of Advanced Study in Science and Technology, Guwahati



DST-IASST, GUWAHATI

Physical Sciences Biological Sciences

Basic and Applied Plasma Physics
Advanced Material Sciences
Traditional and Modern Drug Discovery
-and Disease Diagnosis
Biodiversity and Ecosystem Research"

DST - Wadia Institute of Himalayan Geology, Dehradun



DST-WIHG, DEHRADUN

Physical Sciences

Earth and Environmental sciences
-including Geophysics

DST-Indian Institute of Astrophysics, Bengaluru



DST-IIA, BENGALURU

Physical Sciences

Sun and Solar System
Stars and Galaxies
Cosmology and High Energy Astrophysics
Instrumentation and Data Analysis

DST-Aryabhata Research Institute of Observational Sciences



DST-IIA, NAINITAL

Physical Sciences

Astronomy & Astrophysics
Atmospheric Science
Engineering Research

MoEFCC - Wildlife Institute of India, Dehradun



Biological Sciences

Wildlife Science
Biological Sciences

MoES, Indian Institute of Tropical Meteorology, Pune



Physical Sciences

Climate modelling,
Climate change projections,
Climate variability and Climate dynamics,
Extended range and Seasonal forecasts,
Physics and dynamics of tropical clouds,
Boundary layer turbulence,
Aerosol-cloud-precipitation interaction,
Air pollution monitoring,
Modelling and prediction,
Satellite and radar meteorology
Paleoclimatology.

MoHFW-National Institute of Biologicals, Noida



Biological Sciences

Mechanisms of Quality Evaluation and
Development of Biologicals
Development of National Reference
Standards

Centre of Biomedical Research, Lucknow



Biological Sciences

Molecular Synthesis & Drug Discovery
NMR & Metabolomics
Functional MRI

3 Non-Govt. Institutes

Tata Institute of Genetics & Society, Bengaluru



Biological Sciences

- Infectious diseases
-(including antimicrobial resistance, vector biology, and surveillance)
- Rare genetic disorders (including diagnostics and therapeutics)
- Crop improvement

PHFI - Indian Institute of Public Health, Hyderabad



Biological Sciences

- Nutrition
- Bio-Statistics
- Health Information System

PHFI-IIPH, Delhi

Max Society of Medical Academics Innovation and Research (MAX-SMAIR), Gurugram



Biological Sciences

- NCDs
- Infectious Diseases
- Oncology
- Molecular Diagnostics
- Clinical Research

AcSIR Global Academic Partnerships

At AcSIR, we believe learning knows no boundaries. By partnering with leading international universities, we open a world of opportunities for our students—exposing them to new cultures, cutting-edge research environments, and global perspectives. These partnerships are designed to inspire curiosity, spark innovation, and help students grow into confident researchers and leaders ready to make an impact across the world.

Joint PhD Degree (Cotutelle) Program

The AcSIR Joint PhD (Cotutelle) Program offers its PhD students the opportunity to earn a doctoral degree jointly awarded by AcSIR and a leading international partner university. This unique model combines world-class mentorship, diverse research environments, and access to advanced facilities, enriching the overall research experience.

By engaging across two institutions and cultures, students broaden their perspectives, strengthen their skills, and prepare to address global scientific challenges. More than a degree, the Joint PhD Program empowers students to create impact, build international networks, and step into meaningful careers in an interconnected world.

Joint PhD Program (Cotutelle Mode)

Features:

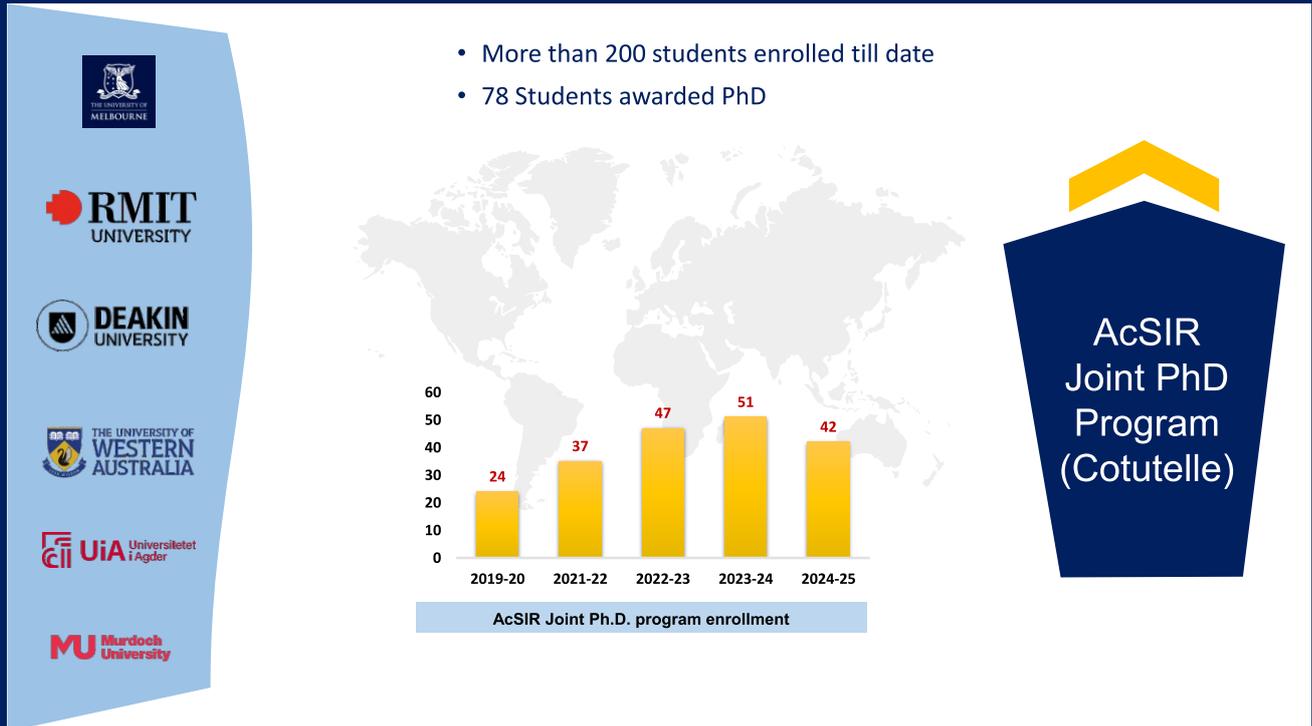
- Opportunities for international research collaboration
- Access to state-of-the-art research facilities at both the home and the host institutions
- Joint supervision by faculty from both institutions
- Award of Joint PhD degrees from both the institutions upon successful completion of the program

Funding Support:

- Monthly Stipend from the host institution for up to 12 months during the student's stay at the host institution
- Full tuition fee waiver by the host institution for the entire duration of the Joint PhD program
- Comprehensive health cover for up to 12 months and a relocation grant, including international return airfare and visa fees



Our Global Academic Partners: From India to the world—building knowledge without borders



University of Melbourne, Australia



Ranked No. 1 in Australia and 19th worldwide (QS 2025), the University of Melbourne is a leader in research and innovation. AcSIR formalized its partnership on March 3, 2025, to launch a Joint PhD Program, enabling students to access world-class research environments and collaborate with some of the brightest minds in diverse disciplines.

RMIT University, Melbourne, Australia



Established in 1887, RMIT is a global university of technology, design, and enterprise, known for its innovation and industry connections. AcSIR's Joint PhD Program with RMIT began in 2017 and was renewed in 2022 for another five years, offering students opportunities to engage in impactful, applied research with international relevance.

Deakin University, Melbourne, Australia



Deakin University is renowned for its world-class teaching, strong industry focus, and leadership in digital learning. Since 2022, AcSIR and Deakin have partnered to offer Joint PhD opportunities in critical areas such as advanced manufacturing, energy, healthcare technologies, AI and cybersecurity, climate adaptation, agriculture, and future infrastructure empowering students to tackle global challenges through research.



University of Western Australia (UWA), Perth, Australia

Ranked 77th globally (QS 2025), UWA is one of Australia's leading research-intensive universities with strong global collaborations. The AcSIR–UWA Joint PhD Program, initiated in 2022, provides students with access to pioneering research, advanced facilities, and an inspiring academic community in one of the world's most



University of Agder (UiA), Norway

A young and dynamic university located in southern Norway, UiA is known for its international outlook and vibrant research culture. On April 1, 2025, AcSIR and UiA signed an agreement to establish a Cotutelle Doctoral Program, giving students the chance to pursue globally relevant research in a collaborative and innovative academic setting.



University of Turku, Finland

The University of Turku (UTU) is one of Finland's leading multidisciplinary universities, fostering impactful international research and education. AcSIR and UTU signed an MoU in April 2024 to promote Joint Doctoral Programs, student exchanges, collaborative R&D, mentorship, and faculty exchange broadening opportunities for AcSIR students to learn and innovate globally.



National Institute of Advanced Industrial Science and Technology (AIST), Japan

AIST is one of the world's largest public research organizations, driving scientific and industrial innovation. AcSIR and AIST established their partnership in October 2024 to advance training in life sciences and biotechnology. The collaboration focuses on hands-on learning in cutting-edge cell culture techniques, organoid systems, and molecular studies of bioactive compounds—equipping students with skills at the frontiers of science.



Murdoch University

A research-led institution known for its multidisciplinary and translational research with real-world impact, applies knowledge from laboratories and public policy to address pressing societal and environmental challenges. Building on this shared vision, AcSIR and Murdoch University signed a Joint PhD Degree Agreement on 17 December 2025, fostering collaborative doctoral research aimed at impactful outcomes for society, industry, and the environment.



AcSIR Online Admission Portal

- For Admission Process, an Applicant needs to follow two phases:

1. Sign-Up phase:

- An applicant can Sign up for submitting online application to the session (i.e. January 2026) to a single program of study.
- Once applicant successfully Sign-Up on AcSIR Online Admission Portal, applicant will receive auto email on their email-id with login credentials and link to be re-directed for further complete admission form fill-up process.

2. Online Application Form Phase:

- On completion of AcSIR Online Application form, AcSIR Application Number (AAN) will be generated e.g. AcSIR12345. This AAN shall be used in future correspondence between applicant and AcSIR.
 - Pay the application fee (Rs. 1000 for General/OBC/EWS and Rs. 500 for the SC/ST/PWD/Women candidates)**
 - Print Acknowledgement of Admission Receipt with AcSIR Application Number (AAN).
- Important dates of admission process and any other update or information will be flashed on Portal-Please check regularly.
 - An applicant may apply for multiple programs based on interest and eligibility, however, for each Program of study, only one application is allowed for an applicant. If, at any time, it is found that more than one application is filled by a candidate then the candidature will be summarily rejected.
 - Short-listed candidates will be intimated electronically and they will be required to appear for Test and/or Interview at the designated centres on the dates announced, based on which final selection would be made.

Number of seats available in each program at each Institute may vary.

Semester Fee Structure:

Sl. No.	Academic Program (For 2026 Cohort)	Regular/Semester in Rs.	Sponsored/Semester in Rs.
1	PhD (Science)	14000	28000
2	PhD (Engineering)	14000	28000
3	PhD (Medical Research)	14000	28000
4	IDDP in Engineering	14000	28000

Academic Requirements for different Academic Programs of Study

Academic Program	Minimum number of Credits		Minimum Residency Period	Period of Completion (Years)	
	Course Work*	Research/Project		Min	Max@
<i>Faculty of Biological Sciences, Chemical Sciences, Physical Sciences, Mathematical & Information Sciences, and Engineering Sciences</i>					
Ph.D - Science	18	Submission of thesis	Full time	3	6
Ph.D - Science (Industry Sponsored)	18	Submission of thesis		3	6
PhD - Engineering	18	Submission of thesis	Full Time	3	6
PhD - Engineering) (Industry sponsored)	18	Submission of thesis		3	6
IDDP#	70	Mini-project: 4; Project: 24; Submission of thesis	Full Time	2+3=5	2+6=8
IDDP# (Industry sponsored)	70	Mini-project: 4; Project: 24; Submission of thesis	2 semesters	2+3=5	2+6 =8
<i>Faculty of Medical Research</i>					
Ph.D – Medical Research	18	Submission of thesis	Full time	3	6
<i>Faculty of Agricultural Sciences</i>					
Ph.D - Science	25 + 8	Submission of thesis (75)	Full time	3	6

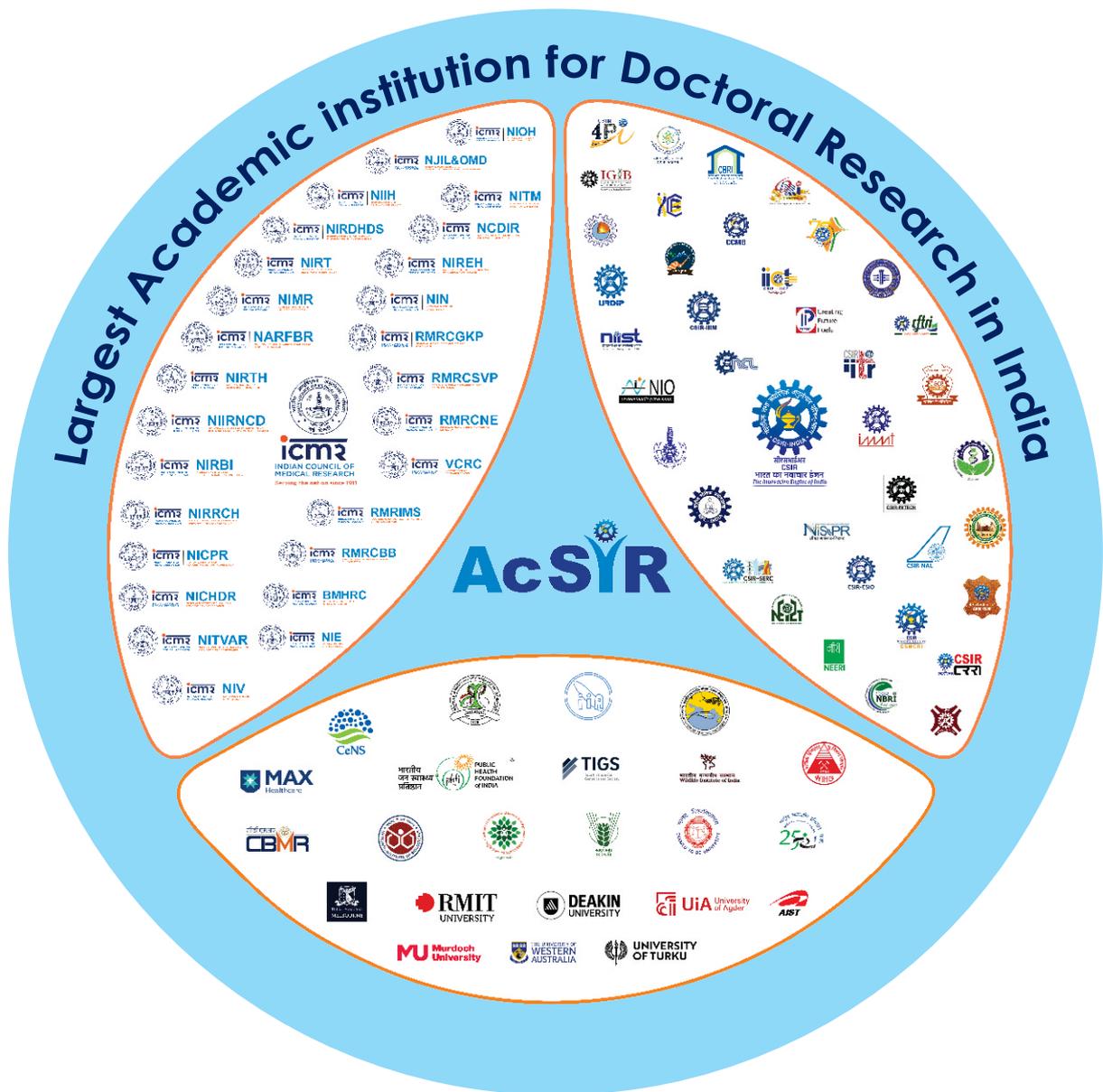
IDDP: Integrated Dual Degree Program in Engineering

@ The women candidates and persons with disability (more than 40%) may be allowed a relaxation of two years for Ph.D. in the maximum period of completion.

*Additionally, an audit course on "IPR Management" (1 credit) is mandatory.

PhD students with 4-year UG degree will undertake an additional academic year comprising of Masters' Level coursework; and a mini-research project, the credit requirements for which will be notified in due course of time

To satisfy the "Minimum Residency" a student must undertake the academic program without any break; exceptions will be only made if the student is on authorized leave. The period of residency would be counted from the student's official joining date in his/her academic program of study.



For admission related queries please send mail to:
admissions@acsir.res.in



AcSIR Headquarters
 Academy of Scientific and Innovative Research (AcSIR)
 CSIR-HRDC Campus, Sector 19, Kamla Nehru Nagar,
 Ghaziabad - 201 002, Uttar Pradesh, India.
 Contact no: +91 9266600847 / 9266600947
 Website: www.acsir.res.in