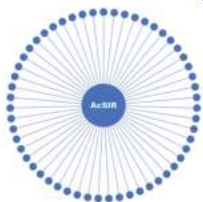






# About AcSIR

The Academy of Scientific and Innovative Research was established as an **Institution of National Importance** by an Act of Parliament in 2011.



AcSIR has been set-up based on a **'Hub and Spoke'** model where the hub (AcSIR-HQ at Ghaziabad) is responsible for centralized administrative functions.

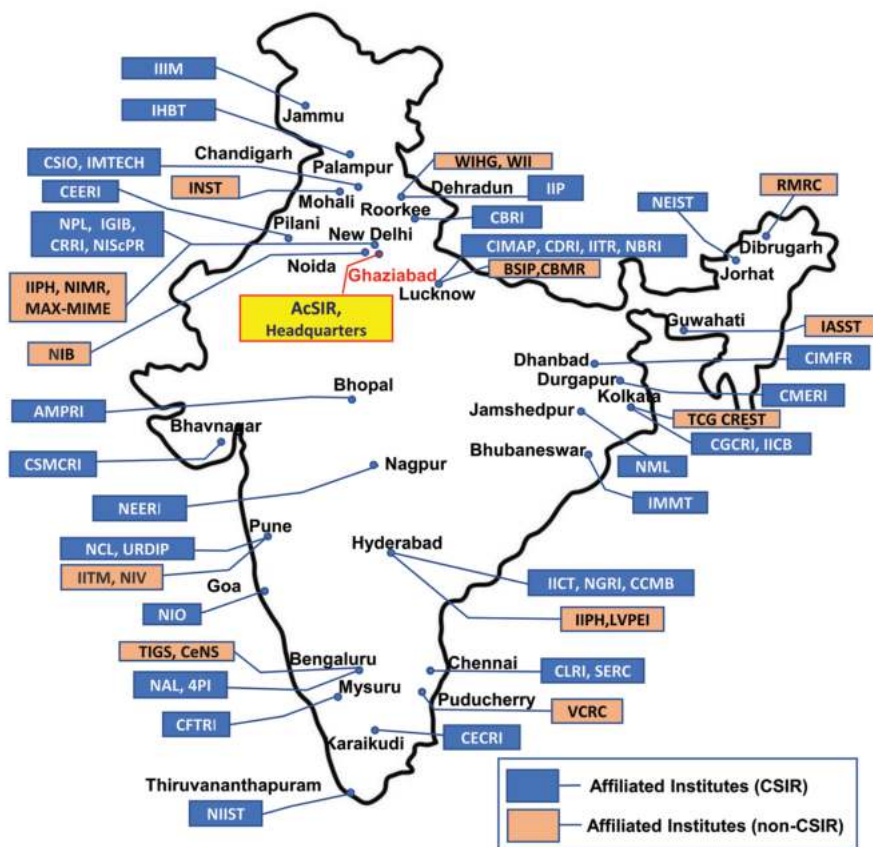


The spokes are located in the 38 CSIR institutes/units (AcSIR Academic Centres) and 18 non-CSIR Institutes (AcSIR Associate Academic Centres) spread along the length and breadth of India, which act as the academic campuses of AcSIR. In addition, AcSIR has collaborative academic programs with several National and International educational institutions.

***"A Largest Educational Institution in India for Doctoral Research in STEM having awarded 577 Ph.D degrees in 2022 and with more than 6700 students currently enrolled in the Ph.D. program"***



# PAN India



## Mandate

*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.*



# AcSIR AT A GLANCE



#1 (Largest Higher Education Institution in India)  
(56 campuses across India)



#1 ( 577 Ph.D students  
awarded in India in 2022)



#12 (in Research Institution Category, 2023)



SCIMAGO  
INSTITUTIONS  
RANKINGS

#3 (in India, 2023)  
(in top 3 for Last 3 years )



#11 (in India 2023)



#1 ( >1000 Ph.D students enrolled  
each year in India)  
( For Last 5 years)



~6000 enrolled students



~ 5000 alumni



>1300 Courses



>2700 Faculty



56 Centres



3 Foreign Universities  
collaborated for Joint Degree Program  
in Cotutelle mode



>17000 publications

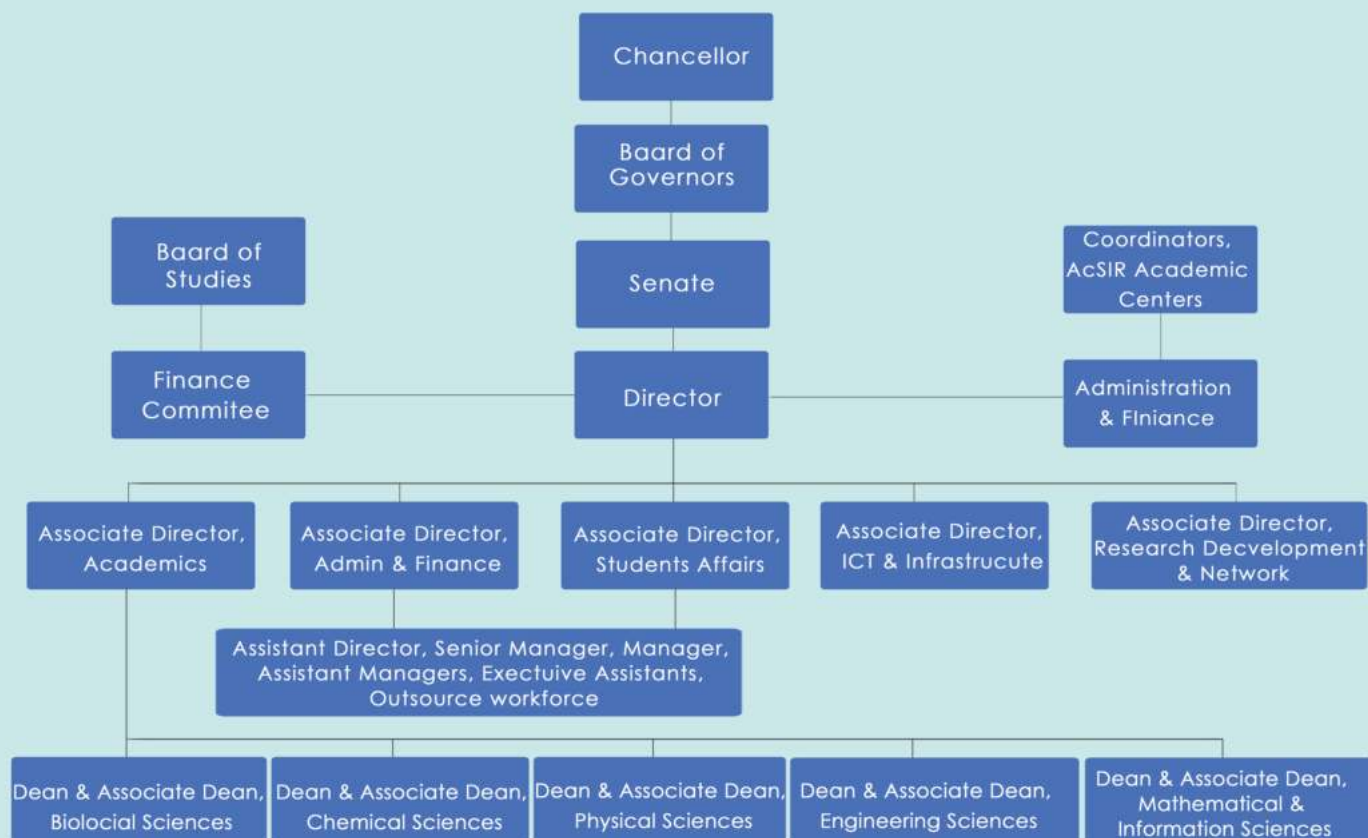


Recent visit of Vice President, CSIR to AcSIR Headquarters

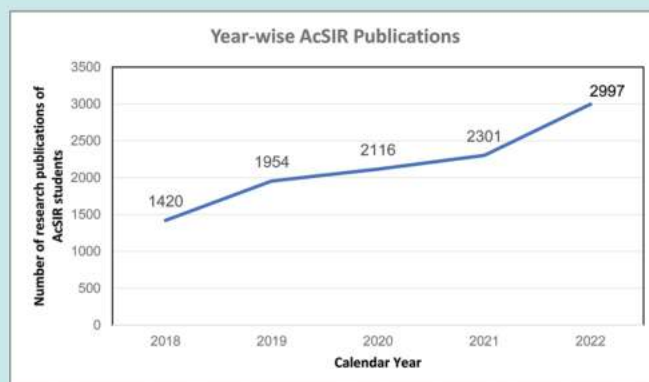
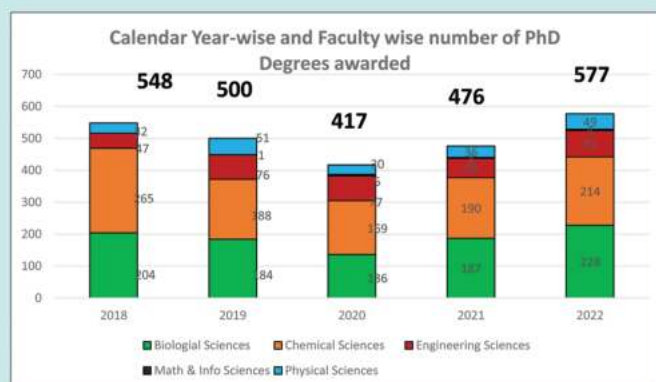
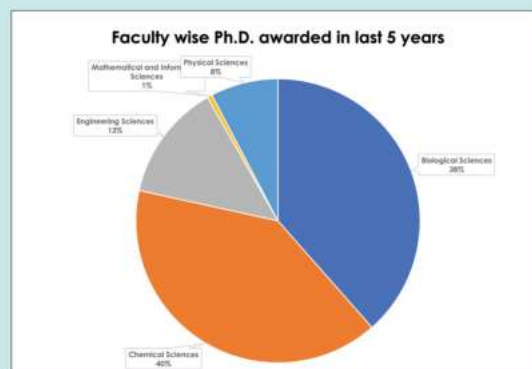
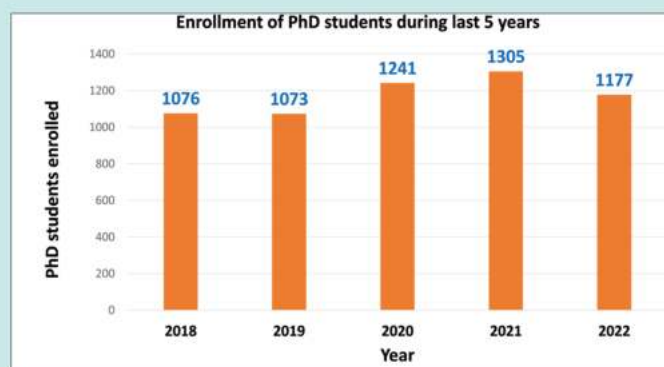


Dr. Jitendra Singh, Hon'ble Minister of State (I/C), MoS in the Prime Minister's office, Ministry of Personnel, Public Grievances & Pensions, Department of Atomic Energy, Department of Space and Vice President, CSIR (Ministry of Science & Technology), Dr. Kalaiselvi.N (Director General, CSIR and Chancellor, AcSIR), interacting with Prof. Manoj K. Dhar (Director, AcSIR), Prof. Ajay Dhar (Associate Director, AcSIR) and other scientists at AcSIR, Headquarters

## Governance Structure



## Students Strengths



## Academy Professors (AcSIR Life time Professorship)



**Prof. C.N.R. Rao**

Hon. President, JNCASR, Bangalore, India



**Prof. M.M. Sharma,**

Former Director, Institute of Chemical Technology (ICT), Mumbai, India



**Late Prof. R Narasimha**

Former Director, CSIR-NAL



**Prof. G.M. Whitesides**

Harvard University, Cambridge, USA



**Prof. R.A. Mashelkar**

National Research Professor and Former Chairman & Board of Governors, AcSIR



**Prof. Samir K Brahmachari**

Former Director General, CSIR & Former Vice Chairman, AcSIR



**Prof. Vijay Kumar Saraswat**

Member NITI Aayog & Former Director DRDO, India



**Prof. Anil K. Gupta**

Founder Honey Bee Network,



**Shri N R Narayana Murthy**

Co-Founder, Infosys



**Prof. K. K. Aggarwal**

Chairman NBA & Former Founder Vice-Chancellor, GGSIPU India



**Prof. Suresh Bhargava**

Deputy Pro Vice-Chancellor, RMIT Australia



**Prof. Girish Sahni**

Former Director General, CSIR, & Former Secretary DSIR



**Dr. Krishna Ella**

Chairman & Managing Director of Bharat Biotech International Limited



**Prof. K. Vijay Raghavan**

National Biological Research Centre, Tata Institute of Fundamental Research,



**Dr. Surendra Pal**

Prof. Satish Dhawan Professor & Senior Advisor, ISRO Satellite Centre



**Dr. Swati Ajay Piramal**

Director, Piramal Foundation



**Dr. A. V. Rama Rao**

Avra Laboratories Pvt Limited



**Prof. Shekar C. Mande**

Former Director General, CSIR & Secretary DSIR

## Distinguished Emeritus Professors



**Dr. Vidyadhar Mudkavi**

Former Head, CSIR-FPI



**Prof. Rakesh K. Mishra**

Former Director, CSIR-CCMB

## Professor of Eminence



**Prof. Kalaiselvi. N**

Director General, CSIR & Secretary DSIR and Chairperson, Board of Governors, AcSIR

## Director & Associate Director



**Prof. Manoj Kumar Dhar**

Director, AcSIR



**Prof. Ajay Dhar**

Associate Director, AcSIR







(Circle from inner to outer)

1. Faculty of studies
2. AcSIR Centres
3. Research Domains
4. Areas of Research

## Doctor of Philosophy

Ph.D. 3-6 years

CSIR-4PI	CSIR-CIMFR	CSIR-IIIM	CSIR-NGRI	DST-IASST	ICMR-NIMR
CSIR-AMPRI	CSIR-CLRI	CSIR-IIP	CSIR-NIIST	DST-WIHG	ICMR-NIV
CSIR-CBRI	CSIR-CMERI	CSIR-IITR	CSIR-NIO	MoES-IITM	ICMR-RMRC
CSIR-CCMB	CSIR-CRRI	CSIR-IMMT	CSIR-NIScPR	MoEFCC-WII	ICMR-VCRC
CSIR-CDRI	CSIR-CSIO	CSIR-IMTECH	CSIR-NIScPR	DST-BSIP	LV PEI
CSIR-CECRI	CSIR-CSMCRI	CSIR-NAL	CSIR-NML	DST-INST	MoES-IITM
CSIR-CEERI	CSIR-IGIB	CSIR-NBRI	CSIR-NPL	DST-INST	MoHFW-NIB
CSIR-CFTRI	CSIR-IHBT	CSIR-NCL	CSIR-SERC	DST-WIHG	PHFI-IIPH
CSIR-CGCRI	CSIR-IICB	CSIR-NEERI	CSIR-URDIP	Max-MSMAIR	TIGS
CSIR-CIMAP	CSIR-IICT	CSIR-NEIST			CBMR

Chemical Engineering	CSIR-NCL, Pune
Computational Biology and Bio Engineering	CSIR-NCL, Pune
Polymer Engineering	CSIR-NCL, Pune
Farm Machinery and Power Engineering	CSIR-CMERI, Durgapur
Design of Machinery and Equipment	CSIR-CMERI, Durgapur
Mechatronics	CSIR-CMERI, Durgapur
Advanced Instrumentation	CSIR-CSIO, Chandigarh

M.Tech.

Master of Technology

2 years

Health Informatics	PHFI-IIPH, Hyderabad
Clinical Research	PHFI-IIPH, Delhi
Food Technology	CSIR-CFTRI, Mysore
Wildlife Science	MoEFCC-WII, Dehradun
Heritage Conservation and Management	MoEFCC-WII, Dehradun

M.Sc.

Master of Science

2 years

Pat Informatics	CSIR-URDIP, Pune
Precision Measurement and Quality Control	CSIR-NPL, Pune
Advance Manufacturing Technology	CSIR-CMERI

PGD

Postgraduate Diploma

1 year

Machine Design	CSIR-CMERI, Durgapur
Mechatronics	CSIR-CMERI, Durgapur
Advanced Electronic Engineering	CSIR-CEERI, Pilani
Materials Resource Technology	CSIR-IMMT, Bhubaneswar
Chemical Engineering	CSIR-NCL, Pune
Computational Biology and Bio Engineering	CSIR-NCL, Pune
Polymer Engineering	CSIR-NCL, Pune
Materials Science and Engineering	CSIR-CGCRI, Kolkata
Engineering of Structures	CSIR-SERC, Chennai

IDDP

Integrated Dual Degree Program

5-8 years

Master of Public Health

PHFI-IIPH, Delhi

MAX-SMAIR, Delhi

M.P.H.

Master of Public in Health

2 years

## For Students



## INTERNATIONAL FELLOWSHIPS - JOINT PhD DEGREE (Cotutelle)

PhD students for a joint PhD degree (Cotutelle) program in one of the below-mentioned international universities.

- RMIT University, Melbourne, Australia
- University of Western Australia, Perth, Australia
- Deakin University, Geelong, Australia

The selected students, as a part of their AcSIR PhD enrolment, have to spend 1 year of research at one of the above universities. These fellowships are open to all PhD students, enrolled at AcSIR, who have successfully completed their comprehensive examination by the end of third semester of their PhD enrolment.

### Features of AcSIR-RMIT Joint Ph.D. Program

- The Students enrolled at both institutions under joint supervision, spend the majority of their program at the host institute (AcSIR/RMIT), and come onshore to RMIT/AcSIR for upto 12 months
- On successful completion of requirements, the students will be awarded PhDs from both AcSIR and RMIT University
- Students after the completion of 2 years in the respective institutes (AcSIR/RMIT) are eligible for this program.

### Advantages to Students

- Access to world class facilities at both Institutions (AcSIR and RMIT)
- Global expertise and dual supervision between AcSIR and RMIT
- Scholarship covering living and travel expenses in India and Australia
- Doctoral PhD degree awarded by both AcSIR and RMIT in cotutelle mode.

### USP of this program

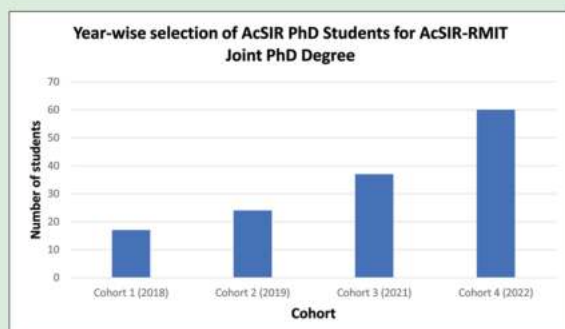
- Enable and empower students to take on global challenges
- Share their working at two institutes and two countries
- Exposure to different research environments and diversity.



## RMIT is a global university of technology, design and enterprise

Royal Melbourne Institute of Technology, focuses on applied research as well as outcome-related research and consultancy services, and has extensive partnerships with government and industry. It mainly focuses its research in the areas of design, technology, health, globalisation and sustainability.

Its Portfolio of Research and Innovation operates on a similar scale to its colleges, and also contains a specialist research school in order to foster excellence in research methodology and pedagogy. Over 50 research centres operate independently within RMIT's colleges and schools as well as a large number of smaller research groups.



- 250 students in Joint Ph.D. program by 2027
- Ensure enrollment/participation of RMIT students in this Joint Ph.D. Program.



A world-class education for international students by Partnerships with industry and government

Deakin is home to four faculties, 14 schools and 13 institutes and strategic research and innovation centres. It offers a broad and exciting range of multidisciplinary projects across the vibrant research community.

Deakin researchers have access to national and international grants and schemes. These opportunities cover a wide range of disciplines and include funding from industry, government and commercial collaborations.



Deakin University's core research strengths:

- Energy
- Smart Manufacturing (smart materials)
- Future Sustainable Infrastructure
- Agriculture, Ecology, Water, Environment & Biotech
- Critical Technology
- Technology for Health care

Valued industry connections, innovative courses, commitment to student experience and high-impact research

Over the years the University has acquired an international reputation for excellence and enterprise. It is regarded as one of Australia's top research institutions, attracting researchers of world standing across the range of disciplines, with international leaders in many diverse fields.



#### Research strengths:

- Biological Sciences
- Physical Sciences
- Chemical Sciences
- Mathematical Sciences
- Environmental Sciences
- Earth Sciences
- Agricultural & Veterinary Sciences
- Chemical Engineering
- Neurosciences
- Clinical Sciences
- Mechanical Engineering
- Oceanography

## Mathematical & Information Sciences

AcSIR Centers	City, State
CSIR-Fourth Paradigm Institute (CSIR-4PI)	Bengaluru, Karnataka
CSIR-National Institute of Science Communication & Policy Research (CSIR-NIScPR)	New Delhi
CSIR-Unit for Research and Development of Information Products (CSIR-URDIP)	Pune, Maharashtra

## Engineering Sciences

CSIR-Advanced Materials and Processes Research Institute (CSIR-AMPRI)	Bhopal, Madhya Pradesh
CSIR-Central Building Research Institute (CSIR-CBRI)	Roorkee, Uttarakhand
CSIR-Central Glass & Ceramic Research Institute (CSIR-CGCRI)	Kolkata, West Bengal
CSIR-Central Mechanical Engineering Research Institute (CSIR-CMERI)	Durgapur, West Bengal
CSIR-Central Road Research Institute (CSIR-CRRI)	New Delhi
CSIR-Institute of Minerals & Materials Technology (CSIR-IMMT)	Bhubaneswar, Odisha
CSIR-National Aerospace Laboratories (CSIR-NAL)	Bengaluru, Karnataka
CSIR-National Environmental Engineering Research Institute (CSIR-NEERI)	Nagpur, Maharashtra
CSIR-National Metallurgical Laboratory (CSIR-NML)	Jamshedpur, Jharkhand
CSIR-Structural Engineering Research Centre (CSIR-SERC)	Chennai, Tamil Nadu
DST-Institute of Nano Science and Technology (DST-INST)	Mohali, Punjab

## Biological Sciences

CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB)	Hyderabad, Telangana
CSIR-Central Drug Research Institute (CSIR-CDRI)	Lucknow, Uttar Pradesh
CSIR-Central Food Technological Research Institute (CSIR-CFTRI)	Mysuru, Karnataka
CSIR-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP)	Lucknow, Uttar Pradesh
CSIR-Institute of Genomics and Integrative Biology (CSIR-IGIB)	New Delhi
CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT)	Palampur, Himachal Pradesh
CSIR-Indian Institute of Chemical Biology (CSIR-IICB)	Kolkata, West Bengal
CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM)	Jammu, Jammu & Kashmir
CSIR-Institute of Microbial Technology (CSIR-IMTech)	Chandigarh
CSIR-Indian Institute of Toxicology Research (CSIR-IITR)	Lucknow, Uttar Pradesh
CSIR-National Botanical Research Institute (CSIR-NBRI)	Lucknow, Uttar Pradesh
PHFI-Indian Institute of Public Health (PHFI-IIPH)	Delhi, Hyderabad
ICMR-Vector Control Research Centre (ICMR-VCRC)	Puducherry
ICMR-Regional Medical Research Centre (ICMR-RMRC)	Dibrugarh, Assam
Centre of Biomedical Research (CBMR)	Lucknow, Uttar Pradesh
MoHFW-National Institute of Biologicals (MoHFW-NIB)	Noida, Uttar Pradesh
MoEFCC-Wildlife Institute of India (MoEFCC-WII)	Dehradun, Uttarakhand
Tata Institute of Genetics & Society	Bengaluru, Karnataka
Max Society of Medical Academics Innovation and Research	Gurugram
ICMR-National Institute of Virology	Pune, Maharashtra
ICMR-National Institute of Malaria Research (ICMR-NIMR)	New Delhi
LV Prasad Eye Institute	Hyderabad, Telangana
DST-Institute of Advanced Study in Science and Technology (DST-IASST)	Guwahati, Assam
MoHFW- National Institute of Biologicals (MoHFW-NIB)	Noida
TCG - Centres of Research and Education in Science and Technology (TCG-CREST)	Kolkata

## Chemical Sciences

CSIR-Central Electro Chemical Research Institute (CSIR-CECRI)	Karaikudi, Tamil Nadu
CSIR-Central Leather Research Institute (CSIR-CLRI)	Chennai, Tamil Nadu
CSIR-Central Institute of Mining and Fuel Research (CSIR-CIMFR)	Dhanbad, Jharkhand
CSIR-Central Salt and Marine Chemicals Research Institute (CSIR-CSMCRI)	Bhavnagar, Gujarat
CSIR-Indian Institute of Chemical Technology (CSIR-IICT)	Hyderabad, Telangana
CSIR-Indian Institute of Petroleum (CSIR-IIP)	Dehradun, Uttarakhand
CSIR-National Chemical Laboratory (CSIR-NCL)	Pune, Maharashtra
CSIR-North East Institute of Science & Technology (CSIR-NEIST)	Jorhat, Assam
CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	Trivendrum, Kerala
DST- Centre for Nano and Soft Matter Sciences (DST-CeNS)	Bengaluru

## Physical Sciences

CSIR-Central Electronics Engineering Research Institute (CSIR-CEERI)	Pilani, Rajasthan
CSIR-Central Scientific Instruments Organisation (CSIR-CSIO)	Chandigarh
CSIR-National Geophysical Research Institute (CSIR-NGRI)	Hyderabad, Telangana
CSIR-National Institute of Oceanography (CSIR-NIO)	Goa
CSIR-National Physical Laboratory (CSIR-NPL)	New Delhi
DST-Wadia Institute of Himalayan Geology (DST-WIHG)	Dehradun, Uttarakhand
MoES-Indian Institute of Tropical Meteorology	Pune, Maharashtra
DST-Birbal Sahni Institute of Palaeosciences (DST-BSIP)	Lucknow, Uttar Pradesh

■ AcSIR Academic Centers (CSIR-National Laboratories)

■ AcSIR Associate Academic centers (Non-CSIR)





AcSIR Students at AcSIR Academic Centres

