

PhD

CSIR-IIP invites applications for PhD programme under
the Academy of Scientific and Innovative Research (AcSIR)
in the following faculty of studies

Chemical Science | Biological Science | Physical Science | Engineering Science



Thrust Areas of Research

- Catalysis, Catalytic Processes & Analytical Methods Development
- Advanced Functional Materials, Adsorption & Absorption, Carbon Nanomaterials
- Biomass to Chemicals, Environmental Science & Microbial Biotechnology; Industrial Ecology, Wastewater Processing & Microbial Fermentation; Oleaginous Fermentation, Material Resource Efficiency & Circular Economy; Carbon Flux Assessment, Microbial-omics, Nutraceuticals & APIs; Bioremediation, Enzymology, Biomanufacturing & Biofuels; Bioethanol (1G, 1.5G & 2G)
- Petrochemicals, Green Chemistry & Specialty Chemicals; Lubricants & Additives; Solvent Extraction
- Advanced Separation Processes; Gas-Liquid Absorption
- Membrane-based Separation Processes & Reactors
- CO₂ to Fuels, Chemicals & Energy; Waste-to-Wealth (Waste Plastics & E-waste); Hydrogen Energy; Energy Transition & Decarbonization
- Petro-refining Processes; Hydroprocessing & Heavy Oil Processing; Reaction Engineering; Fluid Catalytic Cracking; Mass Transfer & Process Intensification
- Material Characterization; Lubricant Materials & Tribology; High-Entropy Alloys & Metallurgy
- Photovoltaics (PV), Batteries & Solid-State Hydrogen Storage Materials
- Computational Modelling & Process Simulation; Life Cycle Analysis

For more details: www.iip.res.in

For Eligibility criteria and Admission link:
<https://acsir.res.in/admissions/>



Last date for application submission for January 2027 session

October 31, 2026

Note: To join at CSIR-IIP, Please select as the CSIR lab preference from the menu list