

**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 and Absorption, Carbon Nanomaterials
- 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)
- Petrochemicals, Green Chemistry, Specialty Chemicals, Lubricants and Additives, Solvent Extraction
- CO<sub>2</sub> to Fuels, Chemicals and Energy, Waste-to-Wealth (Waste Plastics, e-waste), Hydrogen energy
- Petro-refining Processes, Hydroprocessing, Heavy Oil Processing, Reaction Engineering, Fluid Catalytic Cracking, Mass Transfer, Process Intensification,
- Material characteristics, Lubricant materials, Tribology, High entropy alloy, Metallurgy
- Photovoltaic (PV), Batteries, Solid state hydrogen storage materials

For more details: [www.iip.res.in](http://www.iip.res.in)

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

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**Last date for application submission for August 2024 semester**

**April 30, 2024**

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