Development of Hydrogels for Drug Delivery, Water Harvesting and Water Purification from Natural Polymers

SDGS Targeted: Good Health and Wellbeing, Clean Water and Sanitation and Climate Action

Development of Smart
Materials For CO₂ Mitigation
and Energy Conversion
Processes for a Sustainable
Future

SDG Targeted: Climate Action, Affordable And Clean Energy, Life on Land

Department of Chemistry

A Five-Year Vision for CO₂ Utilization; Water Harvesting; Drug Design, Development and Delivery; Transition Metal Catalysts; Supramolecular Architectures for Recognition Developing Earth-abundant Transition-Metal Catalysts for Catalyzing the Reduction of CO₂

SDG Targeted: Climate Action, Affordable and Clean Energy

Identification of Natural Product Inspired Efflux Protein Inhibitors to Combat MDR and Exploration of Natural Products for the Development of New Antimicrobial Agents Against ESKAPE Pathogens

SDGS Targeted: Good Health and wellbeing, Industry Innovation and Infrastructure Design Of Chiral Schiff Base
Macrocycles and Cages and
Exploration of New
Coordination
Supramolecular
Architectures for
Electrocatlysis, Organic
Catalysis, Drug Recognition

SDG Targeted: Good Health and wellbeing, Affordable and Clean Energy, Responsible Consumption and Production