

Active Research Projects

Name of PI/Co PI	Title of Project	Agency Name	Amount (₹)	Sanctioned Date	Duration	Date of Completion (if completed during 2023-24)
Roli Purwar	Design and Development of Electronic Devices using Regenerated Silk Fibroin/ Metal Oxide Nanocomposites Films and Hydrogels	Science and Engineering Research Board (SERB)	29,95,693/-	28.06.2023	3 Years	ongoing

Details of Patent Awarded/Published in 2023-24:

Name of Inventor(s)	Title of Patent	Status (Granted/Published)	Patent Number	Date of Patent Granted/Date of Patent Published
Roli Purwar and Chandra Mohan Srivastava, Indian Patent	Silk Fibroin Flexible Films Prepared By Hydrogel Particles And Process Thereof	Published	Patent No.504734,	Date 30/1/2024.
Anuja Agrawal, Raminder Kaur, R. S. Walia,	Bio-Based Rigid Polyurethane Foam Composition and Method Thereof	Published	Indian Patent Application No: 201911027962 (FER sent)	Date:28/2/2024

Functional MoUs with Universities/Institutions/Industries of National/International Importance:

Details of MoU (MoU signed between)	Purpose of MoU	Date of MoU Signed	Duration
MoU: Between DTU, Delhi and Indian Chemical Council, ICC, Mumbai India	To facilitate Industry - Academia bonding	Signed in 2023	3 years
MoU: Signed in 2019 Between DTU, Delhi and Amicures Research Pvt Ltd Purpose:	To promote and enhance research in the area of pharmaceuticals and health care.	Signed in 2019	Duration: 5 Years
Signed in between DTU and Mitsui Chemicals Ltd., India Purpose:	To facilitate Research & Development cooperation between the two organizations	Signed in 2023	Duration: 3 Years

Events organized by the Department: (During 2023-24 only)

Name of Event	In Collaboration with (if any)	Date(s)	Department Coordinator/co-coordinator of the Event
Expert talk by Prof. S. Subramanian Department of Materials Engineering, IISc Bangalore on the topic “Processing of E-waste: Challenges and opportunities”for UG, PG and Research Scholars on 20 october 2023 in Department of Applied Chemistry, DTU	NA	20 october 2023	Deenan Santhiya
International conference on basic analytical and allied sciences at the interface of carbohydrates and	NA	30th November-2nd	Ram Singh

biomass valorisation (CARBOXXXVII)		December 2023	
Birth Anniversary of Netaji Subhash Chandra Bose under Vikshit Bharat Abhiyan	NA	23 Jan 2024	Prof Archna Rani
Workshop on Intellectual Property Rights (IPRs) and IP Management for Start up Mr Arunava Maity Senior IP Attorney	NA	22 May 2024	Prof Roli Purwar
Expert lecture on Palladium Catalyzed Heck-type Coupling reactions: Applications in Stereo-controlled synthesis of C-Aryl glycosides Dr. Jeyakumar Kandasamy	NA	4th April 2024	Dr Ram Singh
Foundation Day of Indian Institute of Chemical Engineers	NA	24th February 2024	Dr. Manish Jain
IIChE (NRC) LECTURE SERIES	NA	30th March 2024	Dr. Manish Jain
Integration of Petroleum Refineries with Bio-refineries for enhancement of Sustainable Fuel Production	Indian Institute of Chemical Engineers (Northern Regional Centre) & Federation of Indian Petroleum Industry (FIPI)	21st June 2024	IPI Delhi Chapter

Photographs of Events organized by the Department:

