

Ongoing R&D Project List
BCSIR Chattogram Laboratories

SL	Project Title and Project Leader	Duration of the Projects
1.	Development of immunity boosting bread from locally available indigenous plants Maksuda Begum, SSO (PL)	July/2022-Dec/2025
2.	Design and fabrication of metal hydride hydrogen storage tank. Mirza Nusrat Sweety, SO (PL)	July/2023-June/2025
3.	Development of natural antifungal agent against disease-causing fungi of alone vera Dr. Saiful Islam, SSO	July/2023-June/2025
4.	Development of biochar system for contaminated waer and gas treatment Dr. Jewel Das, SSO (PL)	July/2023-June/2025
5.	Performance study of 4A molecular sieve derived from rice husk for methane separation from hydrocarbon gas mixture Kawsar Ahmed, SO (PL)	July/2023-June/2025
6.	Genomic insight into extensively drug-resistant <i>Acinetobacter baumannii</i> isolated from care hospitals of Chattogram, Bangladesh. Farjana Showline Chaity, SO (PL)	July/2023-June/2025
7.	Fabrication of a pectin-based hydrogel for the removal of anionic pollutants from waste water M A A Shofi Uddin Sarkar, SO (PL)	July/2023-June/2025
8.	Efficacy and Resistance of Clopidogrel on rats with Type I Diabetes Mellitus Md. Farhad Sarker, RP (PL)	July/2023-June/2025
9.	Identification and dose optimization of <i>Ocimum</i> spp. Against respiratory disease-causing bacteria Md. Mahfuzur Rahman, SO (PL)	July/2023-June/2025
10.	Synthesis and Characterization of Metal Hydride for Hydrogen storage Pallabe Saha, SO (PL)	July/2023-June/2025
11.	Assessment of alleviatory effects of <i>Brassica oleracea</i> on thyroid function Md. Afzal Hossain, SO (PL)	July/2023-June/2025
12.	Isolation of Bioactive secondary Metabolites from Marine Sponge <i>Tetilla</i> sp. Md. Nure Alam Siddik, SO (PL)	July/2023-June/2025
13.	Development of natural Preservative for enhanced food freshness Md. Saidur Rahman, SSO, (PL)	July/2024-June/2025
14.	Green Synthesized Metal Silver Nanoparticles from <i>Persicaria orientalis</i> : Harnessing Multi-functional Efficacy for Sustainable Applications Dr. Sreebash Chandra Bhattacharjee, PSO (PL)	July/2024-June/2026
15.	Extraction and purification of antimicrobial peptides (AMPs) from diverse Microbial habitats Dr. Saiful Islam, PSO (PL)	July/2024-June/2026
16.	Development of value added products from Palmyra Palm (<i>Borassus flabellifer</i>) fruit. Md. Ashrafur Islam, SO (PL)	July/2024-June/2026
17.	Impact of Ecological Disruption and Pollution on Fatty Acid Profiles of Fish & Microalgae in Halda River Md. Samrat Mohay menul Islam, SO (PL)	July/2024-June/2026
18.	Isolation and identification of bioactive compounds from the leaves of <i>Thladiantha cordifolia</i> and assessment of their pharmacological potentiality	July/2024-June/2026
19.	Drug delivery and in vitra wound healing using pectin based hydrogels M A A Shofi Uddin Sarkar, SO (PL)	July/2024-June/2026
20.	Characterization of microplastic pollutants in river water and evaluation of antibiotic resistance potential of platisphere bacteria Muhammad Irfanul Islam SO (PL)	July/2024-June/2026
21.	Synthesis of Cellulose Nano Crystal from saw dust and its application to heavy metals remediation from waste water Priyanka Dey Suchi, SO (PL)	July/2024-June/2026
22.	Exploration of Coastal Sediment;s Microbiome through their Characterization and Role in Climate Smart Crop Farming Anika Tasnim, SO (PL)	July/2024-June/2026
23.	Development of anthocyanin loaded chitosan based nanoparticle Maliha Momtaj, SO (PL)	July/2024-June/2026
24.	Rice husk as a potential source of amino-modified silica for the adsorption of various heavy metals in waste water Md. Tariqul Islam, RC (PL)	July/2024-June/2025