

# BCSIR Chattogram Laboratories

(On going R&D Project)

SL. No	Project Title	Project Leader	Duration
01.	Molecular Characterization of Multidrug Resistant <i>E. coli</i> and effectiveness of essential oil and fungal secondary metabolites against <i>E. coli</i> isolates	Dr. Saiful Islam, PSO	Jyly/2021-June-2024
02.	Effects of silver nanoparticles on growth, microbial population and arsenic uptake of leguminous plants	Md. Saidur Rahman, SSO	July/2021-June-2025
03.	Effect os <i>Mesua nagassarium</i> seed oil on the gut microbiota and immunity of rats with antibiotic associated diarrhea	Sumaiya Islam Chowdhury, SO	July/2022-June-2024
04.	Synthesis and characterization of Novel Proton Exchange Membranes (PEM) for Hydrogen (H <sub>2</sub> ) Fuel cells	Mirza Nusrat Sweety, SO	July/2022-June-2024
05.	Mapping the ecosystem characteristics and fish nutritional quality of fish from two riverine ecosystem of Bangladesh.	Md. Samrat Mohay Menul Islam, SO	July/2022-June-2024
06.	Development of immunity boosting bread from locally available indigenous plants	Maksuda Begum, SSO	July/2022-June-2024
07.	Treatment of wastewater from latex processing industry using Bio chemical techniques	Dr. Dipankar Chakrabarty, PSO	July/2022-June-2024
08.	Anti-diarrhoeal evaluation of Diperpene Lactones and Flavones from <i>Dioscorea bulbifera</i> extraxt	Md. Ashrafal Islam, SO	July/2022-June-2024
09.	Green synthesis of Silver Nanoparticles using Leaf extraxt of <i>Justicia adhatoda</i> (Bashak) and evaluation of its antimicrobial, antioxidant activity and cytotoxicity	Dr. Sreebash Chandra Bhattacharjee, PSO	July/2022-June-2024
10.	Development of portable kits for Ammonia, Iron and Sulfide in water	Md. Abu Bakar, SSO	July/2022-June-2024
11.	Development of multidrug resistant organism repository	Dr. Saiful Islam, PSO	July/2022-June-2024
12.	Optimization of different extraction techniques of essential oils from aromatic plants	Md. Saidur Rahman, SSO	July/2022-June-2024

13.	Optimization of Sea water for shrimp culture	Md. Samrat Mohay Menul Islam, SO	July/2022- June-2024
14.	Design and fabrication of metal hydride hydrogen storage tank	Mirza Nusrat Sweety, SO	July/2023- June-2025
15.	Development of natural antifungal agent against disease causing fungi of aloe vera	Dr. Saiful Islam, PSO	July/2023- June-2025
16.	Development of biochar system for contaminated water and gas treatment	Dr. Jewel Das, SSO	July/2023- June-2025
17.	Performance study of 4A molecular sieve derived from rice husk for methane separation from hydrogen gas mixture	Kawsar Ahmed, SO	July/2023- June-2024
18.	Genomic insight into extensively drug-resistant <i>Acinetobacter baumannii</i> isolated from care hospitals of Chattogram, Bangladesh	Farzana Showline Chaity, SO	July/2023- June-2025
19.	Fabrication of Pectine based hydrogel for the removal of anionic pollutants from waste water	M A A Shofi Uddin Sarkar, SO	July/2023- June-2025
20.	Efficacy and resistance of Clopidogrel on rats with type 1 Diabetes Mellitus	Md. Farhad Sarkar, RP	July/2023- June-2025
21.	Development of food products and animal feed from suckermouth catfish	Syed Muktadir Al Sium, SO	July/2023- June-2025
22.	Identification and dose optimization of <i>Ocimum</i> spp. Against respiratory disease causing bacteria	Md. Mahfuzur Rahman, SO	July/2023- June-2025
23.	Synthesis and Characterization of Metal Hydride for Hydrogen Storage	Pallabe Saha, SO	July/2023- June-2025
24.	Assessment of alleviatory effects of <i>Brassica oleracea</i> on thyroid function	Md. Afzal Hossain, SO	July/2023- June-2025
25.	Isolation of Bioactive secondary metabolites from marine sponge <i>Tetilla</i> sp.	Md. Nure Alam Siddik, SO	July/2023- June-2025

**Last Update: 13 December 2023**