

বিসিএসআইআর-এর চলমান আরএন্ডডি প্রকল্প তালিকা

ক্রম:	শিরোনাম	গবেষকের নাম	গবেষণা শুরু	সমাপ্তির তারিখ
1.	Valorization of lignin from nonwoods	Dr. M. Mastafizur Rahman, SSO	July 2021	June 2023
2.	Cowdung and chitosan coated fertilizer for control release of NPK	Fatema Tuz Zohora, SO (PL)	July 2021	June 2023
3.	Integrated genomic analyses of ovarian cancer related genes	Dr. Md. Salim Khan, CSO	July 2021	June 2023
4.	Development of lignin-based hydrogel by emulsion polymerization	Swapan Kumer Ray, PSO (PL)	July 2021	June 2023
5.	Synthesis of biological active chitosan- derivatives as natural preservatives (Phase-1)	Dr. Md. Monarul Islam, SSO (PL)	July 2021	June 2023
6.	Current status of macro and microplastics in Bangladesh: Impact and recycling	Md. Saiful Islam, SSO (PL)	July 2021	June 2023
7.	Chitosan-sodium alginate based plant growth regulator (PGR)	Amena Kibria, SO (PL)	July 2021	June 2023
8.	Developing a sustainable technique for Tubifex worm culture	Nahid Sultana, SSO (PL)	July 2021	June 2023
9.	Metal contamination and ecological risk of major estuary in Bangladesh: A baseline study	Dr. Md. Kamal Hossain, PSO (PL)	July 2021	June 2023
10.	Non-ionic emulsifier based on poly-functional ester of fatty acids and polyhydroxylic alcohols and their applications	Mohammad Amirul Hoque, SSO (PL)	July 2021	June 2023
11.	Assessing the effect of exogenous allantoin to improve the salt tolerance of <i>Oryza sativa</i> and <i>Solanum tuberosum</i>	Nasima Momtaz, RC (PL)	July 2021	June 2023
12.	Bioremediation of heavy metals in industrial wastewater by using different species of microalgae and hydrophytes	Natasha Nafisa Haque, RC (PL)	July 2021	June 2023
13.	Isolation and characterization of bioactive metabolites from the medicinal plant <i>Sarcolobus globosus</i> and it's associated endophytic fungi	Dr. ADA Shahinuzzaman, SSO (PL)	July 2021	June 2023
14.	Identification of endophytic fungi by amplicon sequencing based Molecular characterization	Saima Mollick, SO (PL)	July 2021	June 2023
15.	Isolation and profiling of bioactive metabolites from the tropical mangrove species <i>Sonneratia caseolaris</i> and its associated fungal endophytes	Md. Ariful Haq, SO (PL)	July 2021	June 2023
16.	Scale-up production of protease for application in different sectors	Dr. Md. Ahashan Habib, PSO (PL)	July 2021	June 2023
17.	Analyzing the impact of Wnt signaling system as molecular diagnostic method and therapeutic target for cancer	Iffat Jahan, SO (PL)	July 2020	June 2023
18.	Bio-remediation of fungi responsible for infestation of finished leather	Mst. Elina Akther Zenat, SSO (PL)	July 2020	June 2023
19.	Preparation of natural antioxidants from indigenous sources (<i>Phyllanthus emblica</i> , <i>Moringa oleifera</i> , <i>Ficus racemosa</i> , <i>Cerriops decandra</i>) for use in food & cosmetic industries	Khondoker Shahin Ahmed, SO (PL)	July 2020	June 2023
20.	Synthesis of thermoset polyester for preparation of filler and composite materials	Shahin Sultana, PSO (PL)	July 2020	June 2023
21.	Development of eco-friendly dielectric ceramic materials for energy storage applications	Suravi Islam, PSO (PL)	July 2020	June 2023
22.	Production of Graphene from graphite and carbon	Mohammad Amirul Hoque, SSO (PL)	July 2018	June 2024
23.	Biphenyl/Binaphthyl-Bipyridyl Based Organocatalysts for Catalytic Conversion of CO ₂ into Cyclic Carbonate	Dr. Md. Monarul Islam, SSO (PL)	July 2020	June 2023
24.	Identification of pharmacophore of isolated bioactive compounds and their structure activity relationship (SAR) study	Dr. Md. Hossain Sohrab, CSO (PL)	July 2019	June 2024
25.	Fabrication of highly Transparent and Conducting Substrate (TCS) of using low cost and environment friendly materials for consumer electronics	Dr. Syed Farid Uddin Farhad, PSO (PL)	July 2017	Dec 2022
26.	Development and characterization of neutralizing antibodies against SARS-CoV-2 infection	Dr. ADA Shahinuzzaman, SSO (PL)	July 2020	June 2023
27.	Economic importance of Insect in formation of Agar within Agarwood tree: It's identification, biology & technique development for insect rearing	Nahid Sultana, SSO (PL)	July 2018	June 2023

28.	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. Md. Saiful Islam, SSO (PL)	July 2021	June 2023
29.	Preparation and characterization of metal Hydride for hydrogen storage	Kawsar Ahmed SO (PL)	July 2021	June 2023
30.	Formulation and characterization of Clarithromycin gastroretentive floating microspheres	Paroma Arefin, SO (PL)	July 2021	June 2023
31.	Effects of silver nanoparticles on growth, microbial population and arsenic uptake of leguminous plants	Md. Saidur Rahman, SSO (PL)	July 2021	June 2023
32.	Assessment of Pb, Cd and Hg content in herbal and synthetic cosmetics	Sujan Kanti Das, SO (PL)	July 2021	June 2023
33.	Anti-inflammatory and analgesic activity evaluation of <i>Mesua nageesarium</i>	Rasheda Akter, SSO (PL)	July 2021	June 2023
34.	Formulation and In vitro Characterization of sustained release Fexofenadine HCl Microspheres using different polymeric blends by Emulsification Solvent Evaporation	Paroma Arefin, SSO (PL)	July 2020	June 2023
35.	Production of cost effective fish and poultry feed from silkworm, black soldier fly and fish waste	Lailatul Ferdousi, SO (PL)	July 2021	June 2023
36.	Development of cost effective recovering technology of useful chemicals from waste PET bottle	Md. Badrul Islam, PhD, PSO (PL)	July 2021	June 2023
37.	Production of different fermented fruit vinegars and exploring their potential health benefits	Md. Jahidul Islam, SSO (PL)	July 2021	June 2023
38.	Bio-composites from cellulose and shrimp chitosan for waste water treatment	Md. Mahmudur Rahman, SO (PL)	July 2021	June 2023
39.	Green synthesis of Zinc Oxide/ metal nanoparticles for insulin sensing Bio-sensor	Nasim Ahmed, SO (PL)	July 2021	June 2023
40.	Extraction of methyl Eugenol from Indigenous sources and its application in insecticide	Firoz Ahmed, SO (PL)	July 2021	June 2023
41.	Isolation and identification of bioactive compounds from the bark of <i>annona muricata</i>	Subarna Sandhani Dey, SO (PL)	July 2019	June 2023
42.	Isolation of glycosidic terpenoids from <i>Oldenlandia corymbosa</i> L. to find out the preventive activity of arterial dysfunction	Mahci Al Bashera, SO (PL)	July 2020	June 2023
43.	Development of Feed Products Containing Omega-3 Fatty Acid from Algae	Md. Moniruzzaman, RC (PL)	July 2019	June 2023
44.	Synthesis of graphene nanorod as Electron Transport Layer (ETL) for Perovskite Solar Cells (PSCs)	Mohammad Shah Jamal, PSO (PL)	July 2021	June 2023
45.	Development of an android app to design and calculate the photovoltaic solar home system (SHS)	Muhammad Shahriar Bashar, PSO (PL)	July 2021	June 2023
46.	Reduction of CO ₂ gas emission using catalytic sorbent derived from solid waste	Mosharof Hossain, PSO (PL)	July 2021	June 2023
47.	Development of an Artificial Intelligence (AI) embedded power management device	Md. Saidul Islam, SSO (PL)	July 2021	June 2023
48.	Increasing the photo-conversion efficiency of CdTe-based solar cell by selective Cl-treatment	Afrina Sharmin, SSO (PL)	July 2021	June 2023
49.	Development of technology for production of lube oil from heavy condensate of different gas fields	Sujit Kumar Banik, PSO (PL)	July 2020	June 2023
50.	Development of soft magnetic materials for electrical and electronic devices	Mashudur Rahaman, PSO	July 2020	June 2023
51.	Incorporation of inorganic hole-transporting material (HTL) for efficient and stable perovskite solar cells	Mohammad Shah Jamal, PSO (PL)	July 2020	June 2023
52.	Design and development of indoor solar cooking system by using evacuated tube collector	Dr. Samia Tabassum, PSO (PL)	July 2020	June 2023
53.	Development of a photocatalyst for waste water treatment	Dr. Samia Tabassum, PSO (PL)	July 2020	June 2023
54.	Study & evaluation of the installed biogas plant under different biogas technology dissemination project of BCSIR	S.M Asaduzzaman Sujan, PSO (PL)	July 2020	June 2023
55.	Methane loss minimization & carbon dioxide recovery systems for water scrubbing based biogas up gradation	Mosharof Hossain, PSO (PL)	July 2020	June 2023
56.	Production of Bio-lubricating oil from non-edible seeds	Sujit Kumar Banik, SO- PL	July 2016	June 2023

57.	Production of bioenergy from waste materials through Microbial Fuel Cell	Mosharaf Hossain, SSO (PL)	July 2019	June 2023
58.	Development of malted supplementary foods for children (age: 6-14)	Dr. Md. Mahbubar Rahman, PSO (PL)	July 2021	June 2023
59.	Prevalence and molecular characterization of foodborne <i>Escherichia coli</i> O157:H7 in milk, meat & vegetable	Meher Nigad Nipa, SSO (PL)	July 2021	June 2023
60.	Bioactive and food grade pigment from soil microbes	Dr. Muhammad. Nazrul Islam Bhuiyan, PSO (PL)	July 2021	June 2023
61.	Improvement of cheese and yogurt quality through CRISPR-CAS 9 technology	Dr.G.M.M Anwarul Hasan, SSO (PL)	July 2021	June 2023
62.	Development of potential anti-biofilm compounds for pharmaceutical industries	Dr. Abhijit Chowdhury, SSO (PL)	July 2021	June 2023
63.	Development of sugar-free ice cream	Dr. G.M.M Anwarul Hasan, SSO (PL)	July 2021	June 2023
64.	Estimation of pesticides and drug residues in milk and dairy products	Dr. G.M.M Anwarul Hasan, SSO (PL)	July 2021	June 2023
65.	Preparation of cost effective fish feed from indigenous sources for Thai Koi	Mohajira Begum, SSO (PL)	July 2021	June 2023
66.	Molecular identification and characterization of <i>Cronobacter</i> spp. from powdered infant milk formula (PIF)	Meher Nigad Nipa, SSO (PL)	July 2020	June 2023
67.	Development of meat products with active compound, micro-encapsulated by phyto-ingredients	Mohammad Mahfuzur Rahman, PSO (PL)	July 2020	June 2023
68.	Preparation of enriched food products from foxtail millet	Dr. Tasnim Farzana, PSO	July 2020	June 2023
69.	Development of nutritious instant food products from sweet potato, cabbage and pumpkin	Dr. Tasnim Farzana, PSO (PL)	July 2020	June 2023
70.	Development of value added food products from Vegetables (eg. Carrot, Tomato, Cauliflower, Cabbage etc.)	Anjumanara Khatun, SSO (PL)	July 2019	June 2023
71.	Scaled-up bioconversion of fish waste to produce organic liquid fertilizer.	Mohajira Begum, SSO (PL)	July 2019	June 2023
72.	A study on nutritional facts and adulteration of baby foods available in local markets in Bangladesh	Dr. Kanika Mitra, SSO (PL)	July 2019	June 2024
73.	Development of import substitute value added fruit product with assistance of “Advanced processing technologies”	Dr. Sharmin Jahan, SSO (PL)	July 2019	June 2024
74.	Effects of Aflatoxin (AFs) in tissues of cultured prawn and finding possible remedies for the Aflatoxin detoxification of feed	Mohammad Tariqul Hassan, PSO (PL)	July 2019	June 2023
75.	Novel antibiotics sources to combat antibiotic resistance in Gram-negative bacteria	Dr. Mohammad Nazrul Islam Bhuiyan, SSO	July 2020	June 2023
76.	Development and preparation of nutritious foods using locally available raw materials to combat Geriatric malnutrition	Salma Ahmed, PSO (PL)	July 2018	June 2023
77.	A cross sectional study of plasticizers on diabetes and cardiovascular disease	Dr. Md Nurul Huda Bhuiyan, SSO (PL)	July 2020	June 2023
78.	Pilot plant study for developing Sn-57Bi-Ag-Cu-Zn-Sb Alloy as Lead free solders	Dr. MA Gafur, PSO (PL)	July 2021	June 2023
79.	Recycling of PPE in the environment due to COVID-19 pandemic	Dr. M.A. Gafur, PSO (PL)	July 2021	June 2023
80.	Development and characterization of NPs (Ag, GO) impregnated polymer (PP) composites to combat Viruses	Dr. M.A. Gafur, PSO (PL)	July 2021	June 2023
81.	Development and characterization of Au-NPs to detect SARS COV2 viruses	Dr. M.A. Gafur, PSO (PL)	July 2021	June 2023
82.	Real-time monitoring and control of multiple ETPs by implementing Internet of things (IOT)	Md. Forhad Hossain, Sr. Eng. (PL)	July 2021	June 2023
83.	Design, development & pilot plant study of IOT based Pulse Oximetry monitoring system for rural hospitals	Mohammad Farsid Raihan, Engineer (PL)	July 2021	June 2023
84.	System analysis of commercial and custom made drone for Bangladesh	Dr. Most. Hosney Ara Begum, CSO (PL)	July 2021	June 2023
85.	Synthesis of nano crystallite biomaterial and natural polymer based nano composite for treatment of textile effluent	Md. Sahadat Hossain, SO (PL)	July 2021	June 2023

86.	Synthesis of calcium based compounds from waste materials for industrial application	Md. Sahadat Hossain, SO (PL)	July 2021	June 2023
87.	Application of hydroxyapatite for control release drug delivery	Mashrafi Bin Mobarak, SO	July 2021	June 2023
88.	Development of geopolymer concrete blocks using locally available solid wastes	Md. Sagirul Islam, SSO (PL)	July 2021	June 2023
89.	Extraction of alumina (Al_2O_3) from coal fly ash (CFA) generated from coal based thermal power plants in Bangladesh	Md. Hasanuzzaman, SO (PL)	July 2021	June 2023
90.	Removal of toxic elements from textile effluent by developing ceramic based membrane filter	Nigar Sultana Pinky, SO (PL)	July 2021	June 2023
91.	Production of Zeolite based composite material for carbon dioxide scavenger	Dr. Umme Sarmeen Akhtar, SSO (PL)	July 2020	June 2024
92.	Development of nano crystallized glass using coal ash	Md. Saiful Quddus, SSO(PL)	July 2020	June 2024
93.	Production of silica refractory brick from river sand	Md. Sagirul Islam, SSO	July 2020	June 2023
94.	Development of bioceramic-polymer composite reinforced with graphene for treatment of tannery effluent	Monika Mahmud, SO (PL)	July 2020	June 2023
95.	Improvement of a process for chemical admixture used for concrete and cement industries	Dr. Umme Sarmeen Akhtar, SSO (PL)	July 2020	June 2023
96.	Synthesis, characterization and functionalization of nano Cobalt Ferrite ($CoFe_2O_4$)	Md. Farid Ahmed, SO (PL)	July 2020	June 2023
97.	Synthesis of expanding agent for bricks and aggregates	Dr. Umme Sarmeen Akhtar, SSO	July 2020	June 2023
98.	Development of ceramic based nano spinel materials for humidity sensor	Md. Lutfor Rahman, SO (PL)	July 2019	June 2023
99.	Production of liquid ink (Blue, Magenta, Yellow, Black) for ceramic industries	Nahid Sharmin, CSO & Director (PL)	July 2019	June 2023
100.	Synthesis of antifungal fat liquor from locally available biological sources for leather processing	Md. Abdur Razzaq, SO (PL)	July 2021	June 2023
101.	Preparation of adhesive from raw trimmings of hides and skins	Md. Abul Kashem Azad, PSO (PL)	July 2021	June 2023
102.	Development of a new tanning agent for leather processing from banana pseudo stem	Dr. Madhu Sudan Saha, PSO (PL)	July 2021	June 2023
103.	Natural dye extraction from stem bark of <i>Trema orientalis</i> (L.) for dyeing of leather	Murshid Jaman Chowdhury, SSO (PL)	July 2021	June 2023
104.	Shaving dust and tannery sludge as adsorbent for the treatment of tannery wastewater	Kanish Fatama, SSO (PL)	July 2021	June 2023
105.	Development of footwear design for pregnant women based on Ergonomics	Kanish Fatema, SSO (PL)	July 2020	June 2023
106.	Characterization of Madhupur and Barind clay to infer its potentiality for local ceramic industries	Md. Shams Shahriar, SO (PL)	July 2021	June 2023
107.	Characterization and beneficiation of Brahmaputra sand for foundry application	Md. Shohel Rana, SO (PL)	July 2021	June 2023
108.	Pilot plant study for separation of heavy mineral from the Padma river sand	Dr. Pradip Kumar Biswas, PSO (PL)	July 2021	June 2023
109.	Preparation of TiO_2 - SiO_2 based coating for construction materials	Md. Sha Alam, SO (PL)	July 2021	June 2023
110.	Adsorption of Bisphenol-A (BPA) from waste water by carbon nanomaterials	Dr. Md. Humayun Kabir, SSO (PL)	July 2021	June 2023
111.	Adsorptive removal of antibiotics residue from waste water using graphite electrodes of used dry cell battery	Dr. Sabina Yasmin, SSO (PL)	July 2021	June 2023
112.	Preparation of carbon aerogel from waste paper for the removal of organic pollutants from wastewater	Aynun Nahar, SO (PL)	July 2021	June 2023
113.	Development of a desalination technology of saline water for coastal areas of Bangladesh	A. H. M. Shofiul Islam Molla Jamal, SSO (PL)	July 2021	June 2023
114.	Evaluation of the level of toxic elements in water, soil and plants and their impacts on human health and environment	Md. Abu Bakar Siddique, SSO (PL)	July 2020	June 2023
115.	Development of a purification technology of harvested rainwater using solar energy	A.H.M. Shofiul Islam Molla Jamal, SO (PL)	July 2020	June 2023
116.	Development of functional foods and its effect on cardiovascular diseases and diabetes	Dr. Dipa Islam, SSO, (PL)	July 2021	June 2024

117.	Identification and toxicological investigations of PAHs and PCBs in river ecosystem	Evana Parvin Lipy, SSO (PL)	July 2021	June 2023
118.	Isolation of secondary metabolites from medicinal plants and investigation of their bioactivities	Fatema Moni, SSO (PL)	July 2021	June 2023
119.	PCR based identification of venomous snake species for proper administration of anti-venom	Md. AbdurRahim, SSO (PL)	July 2021	June 2023
120.	Investigation of nephroprotective activity of traditionally used <i>Piper</i> spp. on animal model	Samina Yesmin, SO (PL)	July 2021	June 2023
121.	Epidemiology and molecular diagnosis of <i>Echinococcus granulosus</i> (cystic echinococcosis) in livestock in Bangladesh	Md. Tazinur Rahman, SO (PL)	July 2021	June 2023
122.	Chewing gum formulation from herbal sources to inhibit dental carries	Dabashes Adhikery, SO (PL)	July 2021	June 2023
123.	Antidiabetic potential of <i>Phyllanthus</i> spp. in nicotinamide and streptozotocin induced rat model	Nusrat Jahan, SO (PL)	July 2021	June 2023
124.	Assessment of toxic substances present in animal feed with specific health implications	Hajara Akhter, SO (PL)	July 2021	June 2023
125.	Risk assessment of Aflatoxin B1 in commonly used spices on animal model	Mustafizur Rahman Naim , SO (PL)	July 2021	June 2023
126.	Preparation of corn silk Tea and its pharmacological assessment with animal model	Md. Kawsar Hossain, SO (PL)	July 2021	June 2023
127.	Development of valuable product (agar, carrageenan & sodium alginate etc.) from available red & brown seaweed in Bay of Bengal	Liton chandra Mohanta (SSO, BTRI) (PL)	July 2020	June 2023
128.	Assessment of organophosphorous pesticide residues present in the locally available fruit and vegetables	Dr. Md. Anwar Arfien Khan, CSO (PL)	July 2020	June 2023
129.	Development of low-cost adsorbent using agricultural waste for the removal of heavy metals	Mahmuda Hakim, SSO (PL)	July 2020	June 2023
130.	Comparative study on quality of different dry fish produced under heat pump drier and traditional sun drying	Md. Rezaul Karim, PSO (PL)	July 2021	June 2023
131.	Fish pathogen identification in commercial indoor fish farms	Md. Rezaul Karim, PSO (PL)	July 2021	June 2023
132.	Development of mycelium block to reduce polystyrene waste	Debabrata Karmakar, SO (PL)	July 2021	June 2023
133.	Effect of culture media on the growth and nutritional composition of <i>Chlorella</i> sp. cultured in photo-bioreactor	Nishat Tasnim, SO (PL)	July 2021	June 2023
134.	Hydroponics technology: Establishment of a scalable protocol to identify nutrition management for cultivating leafy vegetables	Nishat Tasnim. SO (PL)	July 2021	June 2023
135.	Nutritional suitability of different indigenous live fish feed organisms for larval feeding	Dr. Md. Rakibul Hasan, SSO (PL)	July 2021	June 2023
136.	Isolation of nitrogen fixing bacteria and verify its potentiality as biofertilizer	Md. Saddam Hossain, SO (PL)	July 2021	June 2023
137.	Formulation of omega-3 enriched feed for cat fish (<i>Tengara mystus</i>) and monitoring its effect on fish fatty acid Composition	Md. Rezaul Karim, PSO (PL)	July 2019	June 2023
138.	Production of polyvinyl (PVC) solvent cement and composite materials using waste PVC and acrylic polymers	Shahin Sultana, PSO (PL)	July 2019	Dec 2022
139.	Pilot plant study for the utilization of extraction active components from <i>Gynura procumbens</i> and <i>Stevia</i>	Farhana Nurjahan Ahmed, Principle Engineer	July 2017	June 2023
140.	Airborne multipollutant in and around Dhaka city: source apportionment and health risk assessment	Dr. Mohammad Moniruzzaman, PSO (PL)	July 2022	June 2024
141.	Effect of sodium tungstate on bioenergy production using poultry waste	Dr. Chapol Kumar Roy, SSO (PL)	July 2022	June 2024
142.	Genomic and Transcriptomic Analysis of Pelvi-Ureteric Junction Obstruction (PUJO) in Children with Hydronephrosis in Bangladesh	Showti Raheel Naser, SO (PL)	July 2022	June 2024
143.	Isolation bioactive compounds from the leaves of <i>Heptapleurum hypoleucum</i> and assessment of their pharmacological potentiality	Md. Sakhawat Hossain, SO (PL)	July 2022	June 2025

144.	A Metagenomic Approach to Evaluate Water and Airborne Microbiome in Dhaka City	Dr. Tanjina Akhtar Banu, PSO (PL)	July 2022	June 2024
145.	Microplastics contamination in agricultural soil and its adjacent environment in and around Dhaka city	Priyanka Dey Suchi, SO (PL)	July 2022	June 2024
146.	Development of molecular biomarker for antibiotic and heavy metal pollution in fish and their microbes	Dr. Mahmuda Begum, SSO (PL)	July 2022	June 2024
147.	Enhancement of Secondary Metabolites in in vitro cultures of <i>Withania somnifera</i> (L.) Dunal with Methy Jasmonate Elicitor	Barna Goswami, SSO (PL)	July 2022	June 2024
148.	Metabolite profiling and bioassay correlation of <i>Vitex</i> sp. And <i>Persicaria</i> sp. for isolation of natural anticancer agent	Suriya Sharmin, SSO (PL)	July 2022	June 2024
149.	Isolation and Identification of Efflux Pump Inhibitors (EPIs) for Multi Drug Resistant Bacteria from Natural Sources	Satyajit Roy Rony, SSO (PL)	July 2022	June 2024
150.	Perovskite Materials-based energy storage Device with 2D material as Electrodes	Md. Shehan Habib, SO (PL)	July 2022	June 2024
151.	ZnO Nanorods with Plasmonic nanoparticles for low cost and high performance Optoelectronic devices	Nazmul Islam Tanvir, SO (PL)	July 2022	June 2024
152.	Synthesis of magnetic nanoparticles for electrical and electronic devices	Nazia Khatun, SSO (PL)	July 2022	June 2024
153.	Prediction of Air Quality using Artificial Intelligence.	Khaledun Nahar Babi, SSO (PL)	July 2022	June 2024
154.	Evaluation of <i>Trewia nudiflora</i> as pulping raw material	Dr. M. Mostafizur Rahman, SSO (PL)	July 2022	June 2023
155.	Integrated Biocontrol of Mosquito	Dr. Md. Zamilur Rahman, SSO (PL)	July 2022	June 2024
156.	Synthesis, molecular docking and DFT computational studies of diamine and pyrimidine-based Schiff-base derivatives	Dr. Md. Monarul Islam, SSO (PL)	July 2022	June 2024
157.	Microbial Community and Differential Gene Expression Analysis of Chronic Obstructive Pulmonary Disease (COPD) in Bangladesh	Sanjana Fatema Chowdhury, SO (PL)	July 2022	June 2024
158.	Fractionation of Lignocellulosic Biomass with Double Salt Ionic Liquids: A Green Method	Mohammad Mahbubur Rahman, SSO (PL)	July 2022	June 2024
159.	Isolation, Characterization and Purification of Collagen from Chrome Containing Leather Waste	Dr. S.M. Asaduzzaman Sujon, PSO (PL)	July 2022	June 2024
160.	Preparation of fat liquor for leather processing from Rubber (<i>Hevea Brasiliensis</i>) seed oil	Dr. Md. Tushar Uddin, SSO (PL)	July 2022	June 2024
161.	Phytoremediation of heavy metals of tannery wastewater using local plant species	Chadni Lyzu, SSO (PL)	July 2022	June 2024
162.	Development of composite materials from chrome-tanned leather and its applications	Shimul Chakma, SSO (PL)	July 2022	June 2024
163.	Development of a natural colorant having anti-microbial property for dyeing leather	Md. Abdur Razzaq, SSO (PL)	July 2022	June 2023
164.	An eco-friendly method for preservation of hides/skins using <i>Tamarindus indica</i> leaf	Md. Khabir Hossain, SO (PL)	July 2022	June 2024
165.	Preparation of Aluminum (Al) based tanning material ($\text{Na}_2\text{Al}_2\text{Si}_2\text{O}_8 \cdot x\text{H}_2\text{O}$)	Khandaker Tahmina Tasnim, SO (PL)	July 2022	June 2024
166.	Development of technique to preserve hides/skins from <i>Gossypium hirsutum</i> seed	Yead Mahmud, SO (PL)	July 2022	June 2024
167.	Amendment of Soil using Hide and Skin Trimmings	Al-Tamanna, SO (PL)	July 2022	June 2024
168.	Effects of <i>Ophioporia</i> sp. in Myocardial Infarcted Rat and Cardioprotective and Anti-COVID Potentials Through Gene Expression	Amdadul Huque, SSO, (PL)	July 2022	June 2024
169.	In vivo investigation of carminative properties of betel leaf	Smaina Akhter, SO (PL)	July 2022	June 2024
170.	Effects of <i>Adhatoda vasica</i> Extract on Gouty arthritis & Hyperuricemia	Rehnuma Tasmiyah Chowdhury, SSO (PL)	July 2022	June 2024
171.	Green synthesis of metal oxide nanoparticles to assessing antimicrobial activity	Fariha Chowdhury, SO (PL)	July 2022	June 2024

172.	Anti-diarrheal effect of Food Products prepared from indigenous fruits	Trisha Paul, SO (PL)	July 2022	June 2024
173.	Antimicrobial activity of silver and copper doped titania coating substrate	Md. Ashraful Alam, SO (PL)	July 2022	June 2024
174.	Modification of Clay for the removal of pharmaceutical contaminants from water	Sabrina Mostafa, SSO (PL)	July 2022	June 2024
175.	Development of Nickel Ferrite Nanoparticles in pure and doped forms for photocatalysis of textile effluent	Bristy Biswas, SO (PL)	July 2022	June 2024
176.	Production of lead free low cost ceramic tableware	Rexona Khanom, SSO (PL)	July 2022	June 2024
177.	Quality Assessment different types of clay for Refractory industries in Bangladesh	Md. Golam Mostafa, SO (PL)	July 2022	June 2023
178.	Fabrication of biocompatible scaffold from waste natural sources for orthopedic application Advisor: Prof. Dr. Md. Aftab Ali Shaikh, Chairman, BCSIR	Md. Sahadat Hossain, SO (PL)	July 2022	June 2024
179.	Preparation of Ceramic-graphene oxide based composite for the removal of textile dyes from aqueous system Advisor: Prof. Dr. Md. Aftab Ali Shaikh, Chairman, BCSIR	. Monika Mahmud, SO (PL)	July 2022	June 2024
180.	Development a process for the production of polyoxometalate and study of its photo catalytic activity	Dr. Umme Sarmeen Akhter, SSO (PL)	July 2022	June 2024
181.	Surveillance of the presence of hazardous insecticides and pesticides used during dry fish processing in Bangladesh Advisor: Prof. Dr. Md. Aftab Ali Shaikh, Chairman, BCSIR	Md. Rezaul Karim, PSO (PL)	July 2022	June 2024
182.	Effect of dietary probiotics as feed additives on growth, digestive enzyme activity and immune response of indoor cultured fish	Md. Saddam Hossain, SO (PL)	July 2022	June 2024
183.	Effect of Mesua nagassarium seed oil on the gut microbiota and immunity of rats with antibiotic associated diarrhea	Sumaiya Islam Chowdhury, SO (PL)	July 2022	June 2024
184.	Isolation and quantification of marker compounds from Rauwolfia serpentina and Strychnos-unx-vomica	Suman Das, SSO (PL)	July 2022	June 2024
185.	Synthesis and Characterization of Novel Proton Exchange Membranes (PEM) for Hydrogen (H ₂) Fuel Cells	Shariful Islam, SO (PL)	July 2022	June 2024
186.	Mapping the ecosystem characteristics and nutritional quality of fish from two riverine ecosystems in Bangladesh	Md. Samrat Mohay Menul Islam, SO (PL), ITTI	July 2022	June 2024
187.	Development of immunity boosting bread from locally available indigenous plants	Maksuda Begum, SSO (PL)	July 2022	June 2024
188.	Treatment of wastewater from latex Processing Industry using Bio chemical techniques	Fahima Farhana, SO (PL)	July 2022	June 2024
189.	Anti-diarrhoeal evaluation of Diterpene Lactones and Flavones from Dioscorea bulbifera extract	Md. Ashraful Islam, SO (PL)	July 2022	June 2024
190.	Green Synthesis of Silver Nanoparticles using leaf extract of Justicia adhatoda (Bashak) and Evaluation of its Antimicrobial, Antioxidant activity and Cytotoxicity	Dr. Sreebash Chandra Bhattacharjee, PSO (PL)	July 2022	June 2024
191.	Development of Portable Kits for Ammonia, Iron and Sulfide in Water	Md. Abu Bakar, SSO (PL)	July 2022	June 2024
192.	Development of multidrug resistant microorganism repository	Dr. Saiful Islam, SSO (PL)	July 2022	June 2024
193.	Optimization of different extraction techniques of essential oils from aromatic plants	Md. Saidur Rahman, SSO (PL)	July 2022	June 2024
194.	Optimization of sea water for shrimp culture.	Md. Al Zahid, SO (PL)	July 2022	June 2024
195.	Chemical and Biological Investigations of Colocasia affinis Schott:	Safaet Alam, SO (PL)	July 2022	June 2024
196.	Improvement Xylanase Production by a Newly isolated Xylolytic Bacteria Using Mutation and Gene Cloning	Farhana Boby, SO (PL)	July 2022	June 2024
197.	Mineral and heavy metal contents in groundwater and the prevalence of chronic kidney disease in the northern area of Bangladesh	Farhana Jahan, SO (PL)	July 2022	June 2024
198.	An Alternative Synthesis Technique of Tris-Amino compound & its Schiff-Bases for Industrial Application	Md. Ariful Islam, SO (PL)	July 2022	June 2024

199.	Development of Metallo Organic Composites for Electrochemical Energy Storage Devices	Md. Waliullah, SO (PL)	July 2022	June 2024
200.	Synthesis of novel oxime derivatives and assessment of their in vitro biological activities	Md. Al-Amin Miah, RC (PL)	July 2022	June 2024
201.	Application of polyphenols as potential natural preservatives for edible oils and food products	Tahmina Akter Chowdhury, RC (PL)	July 2022	June 2024
202.	Improve of soil fertility and yield of rice, wheat and maize using press mud compost and eco-friendly fungus	Amit Kumar Dey, SO (PL)	July 2022	June 2024
203.	Health risk assessment and environmental impacts of heavy metals and organic compounds exposure through informal e-waste recycling in Bangladesh	Dr. Md. Nurul Huda Bhuiyan, PSO (PL)	July 2022	June 2024
204.	Eco-Friendly dyeing of Silk and Cotton fabrics using Terminalia catappa extract	Most. Halima Khatun, SSO (PL)	July 2022	June 2024
205.	Profiling and risk assessment of stimulants preservatives and coloring agents in confectioneries and beverages	Ali Ahsan Muzahid, SO (PL)	July 2022	June 2024
206.	Nanoparticles Incorporated Green Coating for Fruits and Vegetables Preservation	Bijoy Maitra, SO (PL)	July 2022	June 2024
207.	Evaluation of Effectiveness of essential oil as alternative to antibiotics for commercial broiler chicken	Supriya Ghosh, SO (PL)	July 2022	June 2024
208.	Fabrication and characterization of an low eco-friendly Super Absorbent Polymer Hydrogel from agro-waste	Hurey Jahan Kadri, SO (PL)	July 2022	June 2024
209.	Production of Aqueous film forming foam for extinguishing class-B type fire	Sujit Kumar Banik, PSO (PL)	July 2022	June 2024
210.	A Comprehensive strategy for the fabrication of CuInGaSe-based Thin-Film solar cells	Muhammad Shahriar Bashir, PSO (PL)	July 2022	June 2024
211.	Study on Optoelectronic Semiconductor Devices	Muhammad Shahriar Bashir, PSO (PL)	July 2022	June 2024
212.	Green Production of biomethane and value added product from kitchen waste	Mosharof Hossain, PSO (PL)	July 2022	June 2024
213.	Phytosterol modified lubricant and grease development	Dr. Toufiq Ahmed, Sr. Engineer (PL)	July 2022	June 2024
214.	Production of bio ethanol and alternative solid fuel from corn stalk and other agricultural wastes	Taposhi Rabeya, SSO (PL)	July 2022	June 2024
215.	Design and Development of an Adsorption-based Atmospheric Water Harvester	Md. Saidul Islam, SSO (PL)	July 2022	June 2024
216.	Techno-economic Assessment of Large Solar Photovoltaic Power Plants in Bangladesh	Abu Kowsar, SSO (PL)	July 2022	June 2024
217.	Hierarchical Structured Nanomaterials for Photo-degradation and Photovoltaic Application	Ayesha Siddika, SO (PL)	July 2022	June 2024
218.	Design and Development of a continuous Electro Coagulation Reactor (ECR) for Textile waste water treatment	Nahid Jahan, Principal Engineer (PL)	July 2022	June 2024
219.	Risk assessment of potentially toxic metals in street dust of the Chittagong city Bangladesh	Md. Sha Alam, SSO (PL)	July 2022	June 2024
220.	Geochemical study of arsenic and other toxic elements in ground water and sediments of Bangladesh	Md. Imran Sohel Hossain, SO (PL)	July 2022	June 2024
221.	Development of Dietary Fibre enriched Bakery Products	Salma Ahmed, PSO (PL)	July 2022	June 2024
222.	Metagenomics Investigation for environmental resistomes	Dr. Mohammad. Nazrul Islam Bhuiyan, PSO (PL)	July 2022	June 2024
223.	Investigation of omega-3 fatty acids in marine fishes available in the Bay of Bengal	Md. Alamgir Kabir, PSO (PL)	July 2022	June 2024
224.	Identification and Characterization of Psychobiotic Microbes as a Next Generation Treatment for Mental Health	Shahriar Siddique, SO, IFST (PL)	July 2022	June 2024
225.	Natural compounds screening of chujhal and soyabean for health promotion and disease prevention	Dr. Kanika Mitra, PSO (PL)	July 2022	June 2024
226.	Development of cereal-based low glycemic index food products for diabetic patients	Md. Faridul Islam, SSO (PL)	July 2022	June 2024
227.	Identification and quantification of synthetic dyes used in fruit based products in Bangladesh	Md. Motalab, SSO (PL)	July 2022	June 2024
228.	Identifying key deregulated genes and signaling pathways associated with food components by bioinformatics analysis	Dr. Md. Nazim Uddin, SSO (PL)	July 2022	June 2024

229.	Effects of ripening agents on nutritional quality of fruits	Busra Mumtaz, SSO (PL)	July 2022	June 2024
230.	Production of an instant vegetable powder as functional food	Shammi Akhter, SSO (PL)	July 2022	June 2024
231.	Extraction of short-chain carbohydrates from vegetable wastes	Rajib Banik, SSO (PL)	July 2022	June 2024
232.	Formulation of protein rich composite flour using germinated Chickpea	Lutfun Naher Hilary, SSO (PL)	July 2022	June 2024
233.	Determination of Caffeine, furosemide, phenolphthalein, fluoxetine, sibutramine and orlistat in Slimming Dietary Supplement	Paroma Arefin, SSO (PL)	July 2022	June 2024
234.	Effect of Food Preparation Techniques on Micronutrient Profile of vegetables	Md. Hasib Pathan, SO (PL)	July 2022	June 2024
235.	Enhancement of bioactive compounds of selected cereals	Shariful Islam, SO (PL)	July 2022	June 2024
236.	Formulation of antioxidant rich functional candy using medicinal plants	Anjumanara Khatun, PSO (PL)	July 2022	June 2024
237.	Hydro-geochemical and risk assessment of pollutants in water systems of coastal regions of Bangladesh	Faridul Islam, SSO (PL)	July 2022	June 2024
238.	3-D printing and Coating technology for different types of Materials Development	Dr. M.A. Gafur, PSO (PL)	July 2022	June 2024
239.	IoT Based Mechanized Laboratory Robot for Smart Laboratory	Dr. M.A. Gafur, PSO (PL)	July 2022	June 2024
240.	Evaluation of hybrid nano cutting fluid assisted CNC machining using Minimum Quantity Lubrication (MQL) System	Muhammad Ali Zinnah, Sr. Engg (PL)	July 2022	June 2024
241.	Machining parameter optimization to ensure sustainability in non-ferrous metal cutting using laser technology	Muhammad Ali Zinnah, Sr. Engg (PL)	July 2022	June 2024
242.	Pilot Plant Study of IoT based Digital Attendance System through Radio Frequency Identification	Fazle Rabbi, Engineer (PL)	July 2022	June 2024
243.	PLC-SCADA based monitoring and control of anaerobic digester performance	Md. Forhad Hossain, Sr. Engineer (PL)	July 2022	June 2024
244.	Design and Development of Monitoring System for lathe Machine Operation	Md. Robiul Alam, Sr. Engineer. (PL)	July 2022	June 2024
245.	Development and Pilot Plant Study of a street sweeping and Cleaning Machine	Md. Robiul Alam, Sr. Engineer. (PL)	July 2022	June 2024
246.	Development and Plot Plant Study of a sprue picker swing arm robotic manipulator for injection molding machine	Md. Faruk Hossen, Engineer (PL)	July 2022	June 2024
247.	Development and Plot Plant Study of a Polymer-based Fused Deposition Modelling (FDM) desktop 3D Printer	Md. Faruk Hossen, Engineer (PL)	July 2022	June 2024
248.	Development and Plot Plant Study of a Metal Injection Mold for Metallic Memento	Md. Faruk Hossen, Engineer (PL)	July 2022	June 2024
249.	Removal of drugs residue from aqueous solution using zeolite functionalized graphene oxide	Dr. Md. Humayun Kabir, SSO (PL)	July 2022	June 2024
250.	Graphene based Nanocomposites for the Electrochemical Sensing of Trace Level Arsenic in aqueous media	Dr. Sabina Yasmin, SSO (PL)	July 2022	June 2024
251.	Method development and validation to analyze antibiotics residue in poultry meat	Tajnin Jahan, SO (PL)	July 2022	June 2024
252.	Development of antioxidant rich apple cider vinegar and comparison with commercial vinegar	Tajnin Jahan, SO (PL)	July 2022	June 2024
253.	Antibacterial study and Mosquito repellent activity of Canarium resiniferum	A.H.M. Shofiul Islam Molla Jamal, SSO (PL)	July 2022	June 2024
254.	Phytochemical screening, Isolation of Bioactive Compounds and Biological Studies on Mangrove Species, Sonneratia apetala Fruit and Nipa fruticans Fruit and Sap.	Md. Ripaj Uddin, SO (PL)	July 2022	June 2024
255.	Removal of haloform from treated water by adsorption onto carbon aerogel and waste tea leaf	Md. Ahedul Akbor, SSO (PL)	July 2022	June 2024
256.	Assessment of Microbial Resistance to Antibiotics during the Co-selection Process of Heavy Metal Tolerance in Soil Bacteria Isolated from Industrial areas	Md. Ahedul Akbor, SSO (PL)	July 2022	June 2024
257.	Characterization of chromium tolerant bacteria isolated from tannery waste water	Sharmin Ahmed, SO (PL)	July 2022	June 2024