

## ON-GOING R&D PROJECT LIST: 2021

S/N	Lab Name	Project Title and Name of Project Leader
1.	Dhaka Labs	Identification of pharmacophore of isolated bioactive compounds and their structure activity relationship (SAR) study. Dr. Md. Hossain Sohrab, PSO (PL)
2.	Dhaka Labs	Production of polyvinyl (PVC) solvent cement and composite materials using waste PVC and acrylic polymers. Shahin Sultana, SSO (PL)
3.	Dhaka Labs	Development of a multi agent based control system for fire disaster management. Khaledun Nahar Babi, SSO (PL)
4.	Dhaka Labs	Development of an Easy to Use Arsenic Testing Kit for Spot Analysis of Arsenic Contaminated Water Sources. Dr. Md. Kamal Hossain, SSO (PL)
5.	Dhaka Labs	Rapid determination of Hexuronic Acid in non-wood pulp by multivariate analysis of FTIR spectroscopic data. Dr. Mohammad Nashir Uddin, SSO (PL)
6.	Dhaka Labs	Effect of Arsenic-Selenium on some food crops and its possible relevance to arsenicosis disease. Badhan Saha, SSO (PL)
7.	Dhaka Labs	Formulation, evaluation and comparative study of herbal skin care cosmetics from indigenous sources. Ferdoushi Jahan, SSO (PL)
8.	Dhaka Labs	Development and application of industrially important cellulose derivative (HPMC,MC,CMC & Cellulose acetate) from lignocellulosic biomass (Jute, etc) Mohammad Mahbubur Rahman, SSO (PL)
9.	Dhaka Labs	Formulation of Humic Acid Based Composite Fertilizer from Quality Assessment of Marker Available Fertilizer. Afroza Parvin, SO (PL)
10.	Dhaka Labs	High temperature Chlorine dioxide bleaching of nonwood pulp. Jannatun Nayeem, SO (PL)
11.	Dhaka Labs	Isolation of bulk amount of active compounds from lawsonia alba Lam. Shammi Akhter, SO (PL)
12.	Dhaka Labs	Optimization of bioactive compounds from medicinal plants using statistical method. Dr. Md. Anwar Hossain, SSO (PL)
13.	Dhaka Labs	Investigating natural antibacterial agent from garlic (রসুন) against multidrug resistant pathogens. I. Md. Saddam Hossain, SO (PL)
14.	Ctg. Labs	Developments of herbal preparations/fractions from <i>Gynura procumbens</i> and <i>Coccinia cordifolia</i> for diabetes patient. A. J. M. Morshed , SSO (PL)
15.	Ctg. Labs	Enhanced biogas production from solid waste using high yielding microbial consortium. Rajib Sarkar, SO (PL)
16.	Raj. Labs	Isolation and identification of active compound from the bark extract of <i>annona muricata</i> possessing (Local name: kata ata) anticancer potentiality. Subarna Sandhani Dey, SO (PL)
17.	Raj. Labs	Development Process of Omega-3 Fatty Acid Containing Suitable Algae. Md. Moniruzzaman, RC (PL)
18.	Raj. Labs	Formulation and <i>in vitro</i> Characterization of Sustained Release fexofenadine HCl Microspheres using different polymeric blends. Paroma Arefin, SO (PL)
19.	Raj. Labs	Development of Sustainable Technology for the Production of Different Mango Products Yield and Quality Characteristics of Different Mango Cultivars. Dr. Md. Ibrahim, CSO (PL)
20.	Raj. Labs	Application and effect of natural antioxidants on edible oil as well as on beverages to promote health benefits. Md. Moktadir Rahman, SO (PL)
21.	Raj. Labs	Extraction, purification and characterization of natural food colorant from different fruits and vegetables. Shyama Prosad Moulic, SO (PL)
22.	IFST	Establishment of New Foodborne pathogens from fast food and beverage. Dr. Sahana Parveen, CSO (PL)

23.	IFST	Development of value added food products from Vegetables (eg. Carrot, Tomato, Cauliflower, Cabbage e.t.c.). Anjumanara Khatun, SSO (PL)
24.	IFST	A study on nutritional facts and adulteration of baby foods available in local markets in Bangladesh Dr. Kanika Mitra, SSO (PL)
25.	IFST	Scaled-up bioconversion of fish waste to produce organic liquid fertilizer. Mohajira Begum, SSO (PL)
26.	IFST	Development of import substitute value added fruit product with assistance of “Advanced processing technologies”. Dr. Sharmin Jahan, SSO (PL)
27.	IFST	Formulation of Nutraceutical product for Diarrheal Patient. Md. Mamunur Rashid, RC (PL)
28.	IFST	Development of Low Glycemic Index (GI) food products (Noodles, Pasta, Spaghetti) using legume and rice by- products. Maesha Musarrat, SO (PL)
29.	IFST	Screening and development of lactobacillus culture for uggurt, cheese and labang. Dr. G.M.M. Anwarul Hasan, SSO (PL)
30.	IFST	Isolation of microbial enzymes (lipase, amylase, protease etc.) from environmental microbes and their Industrial Applications. Dr. Md. Nazrul Islam Bhuiyan, SSO (PL)
31.	IFST	Effects of Aflatoxin (AFs) in tissues of cultured prawn and finding possible remedies for the Aflatoxin detoxification of feed. Mohammad Tariqul Hassan, SSO (PL)
32.	IFST (BTRI)	Effects of Bioactive Compounds isolated from four different medicinal plants. Chadni Lyzu, SO (PL)
33.	IFST	Development a process of natural drying and preservation of Moringa leaves. Rezaul Karim, PSO (PL)
34.	IFST	Design and development of mosquito tarp using natural disease borne lure. Rezaul Karim, PSO (PL)
35.	IFST	Formulation of omega-3 enriched feed for cat fish (Tengara mystus) and monitoring its effect on fish fatty acid Composition. Md. Rezaul Karim, PSO (PL)
36.	IFRD	Baseline performance study on Present Solar Power System in Bangladesh. Muhammad Shahriar Bashar, SSO (PL)
37.	IFRD	Design and development of energy efficient biogas cook stove. S. M. Asaduzzaman Sujon, SSO (PL)
38.	IFRD	Microcontroller based Automatic Power Factor Correction Device to reduce electric power loss. Md. Saidul Islam, SSO (PL)
39.	IFRD	Pretreatment of agricultural residues (maize stalk) for enhancing biogas and other value added chemicals production. Dr. Md. Saiful Islam, SSO (PL)
40.	IFRD	Production of bioenergy from waste materials through Microbial Fuel Cell. Mosharaf Hossain, SSO (PL)
41.	IFRD	Development of a novel modeling and simulation tool for Solar cells. Abu Kowsar, SO (PL)
42.	IGCRT	Development of ceramic based nano spinel materials for humidity sensor. Md. Lutfur Rahman, SO (PL)
43.	IGCRT	Production of liquid ink (Blue, Magenta, Yellow, Black) for ceramic industries. Nahid Sharmin, CSO & Director (PL)
44.	IGCRT	Synthesis of biomaterials in granular and paste form for orthopaedic and dental application. Md. Mahfujul Hasan, SO (PL)
45.	IGCRT	Development of antimicrobial coating for ceramic tiles. Dr. Shirin Akter Jahan, SSO (PL)
46.	LRI	Development of preservative of leather from Swietenia mahogany. Md. Abdur Razzak, SSO (PL)
47.	LRI	Development of natural dye from cutch (By-product of khair) for leather processing. Md. Abul Kashem Azad, SO (PL)
48.	LRI	A Process Development for Improvement of Leather's Grain Cracking Strength. Dr. Neelima Afroz Molla, SO (PL)
49.	LRI	Development of Footwear to Reduce heel pain. Kanish Fatama, SO (PL)

50.	IMMM	Characterization and beneficiation of tailings of proposed heavy mineral mine area, Brahmaputra River basin, Bangladesh. Mst. Shanjida Sultana, SSO (PL)
51.	IMMM	Extraction of High Quality Glass Making Silica from Chaudagram Sand of Comilla. Md. Imam Sohel Hossain, SO (PL)
52.	IMMM	Extraction of pure zinc from steel-making dust in Bangladesh. Raduanul Islam Mridul, Engineer (PL)
53.	IMMM	Formulation and production of silicon carbide (SiC) based abrasives from local raw materials. Md. Sha Alam, SO (PL)
54.	IMMM	Preparation of Synthetic Rutile from Ilmenite of Brahmaputra River Basin. Md. Shohel Rana, SO (PL)
55.	IMMM	Preparation of synthetic silica (SiO <sub>2</sub> ) nano-powder using river sand of Bangladesh. Md. Shams Shahriar, SO (PL)
56.	PP & PDC	Design and fabrication of Melt Flow Indexer or Extrusion Plastometer. Md. Arifur Rahman Khan, Engineer (PL)
57.	PP & PDC	Design and fabrication of Vicat Softening Temperature, Cantilever Softening Temperature and Heat Distortion Temperature Measuring device. Sajib Aninda Dhar, Engineer (PL)
58.	PP & PDC	Pilot Plant Study for developing Al-SiC Metal Matrix Composites (MMC). Md. Rakibul Qadir, Senior Engineer (PL)
59.	PP & PDC	Pilot Plant Study for developing Tin-9 Zinc-Al-Bi-Sb and Tin-9 Zinc-Ag-Cu-Bi Alloy as Lead free solders. Dr. Abdul Gafur, PSO (PL)
60.	PP & PDC	Design & Development of falling film evaporator. Sarker Kamruzzaman, PSO, (PL)
61.	PP & PDC	Design & Development of a coolant monitoring unit and analyze its effect on CNC machine tools performance. Muhammad Ali Zinnah, Senior Engineer (PL)
62.	INARS	An easy and cheap method development to analyze antibiotics residue in milk. Dr. Md. Humayun Kabir, SSO (PL)
63.	INARS	Development of nano-adsorbents to remove heavy metals from industrial effluents. Dr. Sabina Yasmin, SO (PL)
64.	INARS	Development of Low cost Arsenic Removal Technology using waste Iron Sludge. Shamim Ahmed, SSO (PL)
65.	DRiCM	Development of and assigning value to traceable Reference Standards (WS) for Atorvastatin Calcium and Metformin HCl. Dr. Mala Khan, CSO (PL)
66.	DRiCM	Method development and validation for the estimation of Creatinine in biological sample (Urine & plasma). Md. Moniruzzaman, SO (PL)
67.	DRiCM	Design, fabrication and development of coagulation/flocculation simulator (Jar Tester). Md. Abu Hasan, SO (PL)
68.	DRiCM	Method development and validation for the estimation of Vitamin D2 and D3 in human blood serum. Md. Mamudul Hasan, SO (PL)
69.	Dhaka Labs	Analyzing the impact of Wnt signaling system as molecular diagnostic method and therapeutic target for cancer Iffat Jahan, SO (PL)
70.	Dhaka Labs	Bio-remediation of fungi responsible for infestation of finished leather Mst. Elina Akther Zenat, SSO (PL)
71.	Dhaka Labs	Preparation of biodegradable packaging material from polysaccharide Kamrun Nahar, SSO (PL)
72.	Dhaka Labs	Preparation of natural antioxidants from indigenous sources ( <i>Phyllanthus emblica</i> , <i>Moringa oleifera</i> , <i>Ficus racemosa</i> , <i>Ceriops decandra</i> ) for use in food & cosmetic industries Khondoker Shahin Ahmed, SO (PL)
73.	Dhaka Labs	Synthesis of thermoset polyester for preparation of filler and composite materials Shahin Sultana, PSO (PL)
74.	Dhaka Labs	Preparation of Polyacrylic Acid (PAA) based nanocomposites using jute for the removal of heavy metals from textile effluent Shamima Akther Eti, SSO (PL)
75.	Dhaka Labs	Development of phosphorus based bio-polymer flame retardant for composites and plastic materials Dr. Mohammad Majedul Haque, SSO (PL)

76.	Dhaka Labs	Development of eco-friendly dielectric ceramic materials for energy storage applications Suravi Islam, PSO (PL)
77.	Dhaka Labs	Isolation and characterization of anti-hemolytic and urease inhibitor from <i>Tamarindus indica</i> and <i>Allium sativum</i> extracts Md. Najem Uddin, SO (PL)
78.	Dhaka Labs	Development and characterization of neutralizing antibodies against SARS-CoV-2 infection Dr. ADA Shahinuzzaman, SSO (PL)
79.	Dhaka Labs	Development of rayon grade pulp from mixture of jute stick and jute fiber Dr. M. Mostafizur Rahman, SSO (PL)
80.	Dhaka Labs	Non conventional production of paper grade pulps from crop wastes Dr. M. Mostafizur Rahman, SSO (PL)
81.	Dhaka Labs	Trace Metals and Radionuclides in Raw, Pasteurized, Powder, Ultra Heat Treated Commercial Cow Milk and Infant Formula: Health Risk Assessment in Bangladesh Dr. Mohammad Moniruzzaman, PSO- PL
82.	Dhaka Labs	Biphenyl/Binaphthyl-Bipyridyl Based Organocatalysts for Catalytic Conversion of CO <sub>2</sub> into Cyclic Carbonate Dr. Md. Monarul Islam, SSO- PL
83.	BTRI	Assessment of organophosphorous pesticide residues present in the locally available fruit and vegetables Dr. Md. Anwar Arfi Khan, CSO- PL
84.	Ctg. Labs	Development of vitamin enriched hair care products from medicinal plants Amena Kibria, SO (PL)
85.		Development of methods for identification of adulterants in honey Suman Das, SSO (PL)
86.	Ctg. Labs	Development of bio-coagulant from jack fruits and bean seeds for waste water treatment Abu Baker, SSO (PL)
87.	Ctg. Labs	Preparation of anti-acne face wash from herbal extracts Dr. Dipankar Chakraborty, PSO (PL)
88.	Ctg. Labs	Synthesis and characterization of Low cost photocatalyst for hydrogen production Md. Shahab Uddin, SO (PL)
89.	Ctg. Labs	Development of low cost biodegradable polyethylene composite for packaging applications Kawsar Ahmed, SO (PL)
90.	Ctg. Labs	Study on inhibitory effects of some common medicinal plants on dental plaque forming bacteria and the production of herbal toothpaste Nusrat Jahan Mouri, SSO (PL)
91.	Ctg. Labs	Formulation of aroma products from available essential oils Debabrata Karmakar, SO (PL)
92.	Ctg. Labs	Development of anti-obesity herbal products Dr. Saiful Islam, SSO (PL)
93.	Ctg. Labs	Screening of novel bioactive compounds from soil Actinomycetes Farjana Showline Chaity, SO (PL)
94.	Raj Labs	Green synthesis of metal nanoparticles and their application as advanced colouring material Md. Ahasanur Rabbi, SSO (PL)
95.	Raj Labs	Extraction of colorant from indigenous sources and its application on textile fabrics and jute Most. Halima Khatun, SSO (PL)
96.	Raj Labs	Development of cost effective technology for the isolation of aleuritic acid from Lac Md. Sabbir Hasan, SO (PL)
97.	Raj Labs	Isolation of glycosidic terpenoids from <i>Oldenlandia corymbosa</i> L. to find out the preventive activity of arterial dysfunction Mahci Al Basher, SO (PL)
98.	Raj Labs	Development of functional food from seeds and flowers of <i>Cucurbita maxima</i> Farhana Jahan, SO (PL)
99.	Raj Labs	Bacteriophage mediated clearance of drug resistant infection Fatema Tuz Jubyda, SO (PL)
100.	Raj Labs	Isolation and application of Prodigiosin in controlling bacterial and cancer cell proliferation Farhana Boby, SO (PL)
101.	Raj Labs	Isolation of alpha-linoleic acid from flaxseed Atoll Goswami, SO (PL)
102.	IFRD	Production of bio-diesel from pithraj and leather fleshing Sujit Kumar Banik, PSO (PL)
103.	IFRD	Development of technology for production of lube oil from heavy condensate of different gas fields Sujit Kumar Banik, PSO (PL)

104.	IFRD	Development of soft magnetic materials for electrical and electronic devices Mashudur Rahaman, PSO
105.	IFRD	Design and development of devices for solar photovoltaic power system Md. Sadequl Azam, SO, IFRD
106.	IFRD	Incorporation of inorganic hole-transporting material (HTL) for efficient and stable perovskite solar cells Mohammad Shah Jamal, PSO (PL)
107.	IFRD	Design and development of indoor solar cooking system by using evacuated tube collector Dr. Samia Tabassum, PSO (PL)
108.	IFRD	Development of a photocatalyst for waste water treatment Dr. Samia Tabassum, PSO (PL)
109.	IFRD	Study & evaluation of the installed biogas plant under different biogas technology dissemination project of BCSIR S.M Asaduzzaman Sujon, PSO (PL)
110.	IFRD	Methane loss minimization & carbon dioxide recovery systems for water scrubbing based biogas up gradation Mosharof Hossain, PSO (PL)
111.	IFST	Preparation of cost effective fish feed from indigenous sources for Thai Koi Mohajira Begum, SSO (PL)
112.	IFST	Molecular identification and characterization of <i>Cronobacter</i> spp. from powdered infant milk formula (PIF) Meher Nigad Nipa, SSO (PL)
113.	IFST	Development of meat products with active compound, micro-encapsulated by phyto-ingredients Mohammad Mahfuzur Rahman, PSO (PL)
114.	IFST	A cross sectional study of plasticizers on diabetes and cardiovascular disease Dr. Md Nurul Huda Bhuiyan, SSO (PL)
115.	IFST	Study on degradation of edible oils during thermal processing and storage Sharmin Akter Lisa, SSO (PL)
116.	IFST	Preparation of enriched food products from foxtail millet Dr. Tasnim Farzana, PSO (PL)
117.	IFST	Development of nutritious instant food products from sweet potato, cabbage and pumpkin Dr. Tasnim Farzana, PSO (PL)
118.	IFST	Study on novel antibiotics sources to combat antibiotic resistance in Gram-negative bacteria Dr. Mohammad Nazrul Islam Bhuiyan, SSO (PL)
119.	IGCRT	Production of Zeolite based composite material for carbon dioxide scavenger Dr. Umme Sarmeen Akhtar, SSO (PL)
120.	IGCRT	Development of nano crystallized glass using coal ash Md. Saiful Quddus, SSO(PL)
121.	IGCRT	Synthesis of magnetite based nano composite adsorbent for the treatment of organic dye contaminated textile waste water Juliya Khanam, SSO (PL)
122.	IGCRT	Production of silica refractory brick from river sand Md. Sagirul Islam, SSO (PL)
123.	IGCRT	Preparation of bio-char from waste materials for portable ceramic water filter Dr. Sonjida Mustafi, PSO (PL)
124.	IGCRT	Development of bioceramic-polymer composite reinforced with graphene for treatment of tannery effluent Monika Mahmud, SO (PL)
125.	IGCRT	Development of light weight ceramic tiles from waste plastic materials of Bangladesh Dr. Sonjida Mustafi, PSO(PL)
126.	IGCRT	Improvement of a process for chemical admixture used for concrete and cement industries Dr. Umme Sarmeen Akhtar, SSO (PL)
127.	IGCRT	Synthesis, characterization and functionalization of nano Cobalt Ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) Md. Farid Ahmed, SO (PL)
128.	IGCRT	Synthesis of expanding agent for bricks and aggregates Dr. Umme Sarmeen Akhtar, SSO(PL)
129.	LRI	Extraction of chromium from tannery waste Dr. Md. Tushar Uddin, SSO (PL)
130.	LRI	Development of footwear design for pregnant women based on Ergonomics Kanish Fatema, SSO (PL)
131.	LRI	Improvement of cleaner Technology by producing wet-white leather in beam house operation Dr. Neelima Afroz Molla, SO (PL)

132.	LRI	Utilization of natural extracts from used tea leaves for leather dyeing Md. Riad Hossain Sabuj, SO (PL)
133.	LRI	Manufacturing of Leather Products from Skin of Broiler Chicken Leg Kanish Fatema, SSO (PL)
134.	LRI	3D subsurface model generation in Barapukuria coal mine area Md. Imam Sohel Hossain, SO (PL)
135.	IMMM	Extraction of Alumina from different types of clay of Barind area Mst. Shanjida Sultana, SSO (PL)
136.	IMMM	Preparation of TiO <sub>2</sub> -SiO <sub>2</sub> based coating for construction materials Md. Sha Alam, SO (PL)
137.	PP & PDC	Pilot plant study for the development of nano-particles (NPs) and doped HAP to remove antibiotics from water Dr. MA Gafur, PSO (PL)
138.	PP & PDC	Development of modified hydroxyapatite incorporated hydrogels for several biomedical applications Dr. MA Gafur, PSO (PL)
139.	INARS	Analysis of priority pollutants loads in the Buriganga river of Bangladesh and their remediation using graphene-based adsorbents Md. Ahedul Akbor, SSO (PL)
140.	INARS	Monitoring of zero discharge hazardous chemicals from industrial effluents and risk assessment Md. Ahedul Akbor, SSO (PL)
141.	INARS	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)
142.	INARS	Development of a purification technology of harvested rainwater using solar energy A.H.M. Shofiul Islam Molla Jamal, SO (PL)
143.	INARS	Isolation of potential microorganisms for the production of bio-surfactant and its applications Rokaia Sultana, SO (PL)
144.	INARS	Isolation of potential microorganisms from agricultural soil for the biodegradation of pesticides for sustainable ecosystem Shahnaz Sultana, SO (PL)
145.	BTRI	Development of agar, carrageenan & sodium alginate from red & brown seaweed in Bay of Bengal Liton chandra Mohanta (SSO, BTRI) (PL)
146.	BTRI	Utilization of genetic authentication methods for different food products Dipankar Chandra Roy, SO (PL)
147.	BTRI	Development of low-cost adsorbent using agricultural waste for the removal of heavy metals Mahmuda Hakim, SO (PL)
148.	D. Labs	Production of Graphene from Graphite and Carbon Mohammad Amirul Hoque, SSO (PL)
149.	D. Labs	Synthesis and property optimization of wide band gap semiconducting materials through cost effective- ease technique. Mohammad Sajjad Hossain, SO (PL)
150.	D. Labs	Economic importance of Insect in formation of Agar within Agar wood: It's identification, biology & technique development for insect rearing. Nahid Sultana, SSO (PL)
151	D. Labs	Transfer and expression of Alpha zein gene in some fruit plants. Shahina Akter, SSO (PL)
152	D. Labs	A low temperature fractionation of crop residue with zero emission. Dr. Md. Sarwar Jahan, CSO (PL)
153	Raj. Labs	Unique formulation of edible oil blended with rice bran and other indigenous oils to enhance antioxidant activity as well as cardiovascular protection. Dr. Sarmina Yeasmin, SSO (PL)
154	IFST	Protocol Development for Safety and Quality of Extruded (Fortified) Rice Kernels MD. Faridul Islam, SSO (PL)
155	IFST	Development and preparation of nutritious foods using locally available raw materials to combat Geriatric malnutrition. Salma Ahmed, PSO (PL)
156	IFRD	Uninterrupted solar cooking using phase change materials. Md. Azizul Hoque, SO (PL)
157	IFRD	Design and performance analysis of safer and user friendly biogas plant suitable for Bangladesh. Mohammad Asadullah Asad, SO (PL)
158	IGCRT	Development of low cost ceramic tiles and bricks using ceramic waste materials of Bangladesh Dr. Sonjida Mustafi, SSO (PL)

159	PP-PDC	Design and development a prototype robotic arm for Industrial applications. Rupesh Chandra Roy, Senior Principal Engineer (PL)
160	PP-PDC	Field Study of HAP, Al <sub>2</sub> O <sub>3</sub> , ZrO <sub>2</sub> , TCP, S/S, Ti and allied materials for Dental/ Orthopedic Application. Dr. Md. Abdur Gafur, PSO (PL)
161	LRI	Extraction of Protein Hydrolysate from Raw trimmings of hides and skins and its application in Poultry/Fish feed Md. Nur-E-Alam, SO (PL)
162	INARS	Easy process development of desalination from river water in Bangladesh. Md. Ripaj Uddin, RC (PL)
163	D. Lab	Development of Polyaluminum Chloride to be used as coagulant for textile waste water treatment. Shamima Akther Eti, SSO (PL)
164	D. Lab	Synthesis of thermoplastic modified thermosetting polymers, composites and nanocomposites. Shahin Sultana, SSO (PL)
165	D. Lab	Production of useful Laboratory chemicals as (NH <sub>4</sub> )C <sub>2</sub> O <sub>4</sub> , Ca(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>3</sub> Na <sub>2</sub> MoO <sub>4</sub> , NH <sub>4</sub> Cl for research and industrial use. Dr. Pizush Kanti Biswas, PSO (PL)
166	D. Lab	Process for the production of esters and its derivatives from locally available chemicals and their bioactivity observations. Dr. Shahin Aziz, SSO (PL)
167	D. Lab	Isolation of bioactive metabolites from marine weeds and sponges as well as their associated symbiotic Fungi. Dr. Md. Hossain Sohrab, PSO (PL)
168	D. Lab	Bioassay screening of extracts, fractions and isolated metabolites obtained from natural sources. Farhana Afroz, SSO (PL)
169	IFST	Cereal based functional foods for young children. Dr. Md. Abdus Sattar Miah, PSO (PL)
170	Raj. Lab	Isolation, Purification and Identification of beneficial Fungi from Rhizospheric soil of Papaya and Eggplants in around Rajshahi Metropolitan City. Dr. Arfatun Nahar Chowdhory, PSO (PL)
171	Raj. Lab	Utilization of beneficial microbes in recirculated aquaculture system for intensive and organic production of fish and other organisms. Ruhul Amin, SSO (PL)
172	BTRI	Effects of some selected spices and plants on cardiac enzyme markers through molecular analysis and gene expression profiling Dipa Islam, SSO (PL)
173	PP-PDC	Process development and pilot plant study for the utilization of extracted active components from <i>Gynura procumbens</i> and Stevia as food supplement Farhana Nurjahan Ahmed, Senior Engineer (PL)