

BCSIR Ongoing R&D Project List: 2022
Number of Ongoing R&D Project: 229

Sl. No.	Lab Name	Project Title and Name of Project Leader
1	Dhaka Labs	Production of a locally development molecular diagnostic kit to tackle the COVID-19 pandemic 1. Dr. Md. Murshed Hasan Sarkar, SSO (PL) 2. Dr. Md. Salim Khan, CSO 3. Dr. Md. Ahashan Habib, PSO 4. Dr. Shahina Akter, PSO 5. Dr. Tanjina Akhtar Banu, PSO 6. Iffat Jahan, SSO 7. Barna Goswami, SSO (BTRI) 8. Dr. Tasnim Nafisa, Medical Officer (Virologist), NILMRC
2	Dhaka Labs	Evaluation of <i>Erythrina fusca</i> as pulping potential raw material 1. Dr. M. Mastafizur Rahman, SSO (PL) 2. Dr. Md. Sarwar Jahan, Director 3. Jannatun Nayeem, SSO, IGCRT 4. Razia Sultana Popy, SO 5. Md. Nur Alam Likhon, RC
3	Dhaka Labs	Valorization of lignin from nonwoods 1. Dr. M. Mastafizur Rahman, SSO (PL) 2. Dr. Md. Sarwar Jahan, Director 3. Dr. Md. Nashir Uddin, PSO 4. Jannatun Nayeem, SSO, IGCRT 5. Razia Sultana Popy, SO 6. Md. Nur Alam Likhon, RC
4	Dhaka Labs	Cowdung and chitosan coated fertilizer for control release of NPK 1. Fatema Tuz Zohora, SO (PL) 2. Dr. Md. Monarul Islam, SSO 3. Dr. Shahin Aziz, PSO 4. Sharkar Md. Mahmudul Hassan, SSO 5. Badhan Saha, SSO
5	Dhaka Labs	Development of carboxylate modified biosorbent materials for the removal of synthetic dye and heavy metals from industrial effluents 1. Afsana Parvin, SO (PL) 2. Dr. Mohammad Moniruzzaman, PSO, CARF 3. Dr. Md. Kamal Hossain, PSO 4. Badhan Saha, SSO 5. Afroza Parvin, SSO 6. Priyanka Dey Suchi, SO
6	Dhaka Labs	Integrated genomic analyses of ovarian cancer related genes 1. Dr. Md. Salim Khan, CSO (PL) 2. Dr. Md. Ahashan Habib, PSO 3. Dr. Shahina Akter, PSO 4. Dr. Tanjina Akhtar Banu, PSO 5. Barna Goswami, SSO, BTRI 6. Iffat Jahan, SSO 7. Dr. Md. Murshed Hasan Sarkar, SSO, Rajshahi 8. Mohammad Mohi Uddin, RC
7	Dhaka Labs	Development of lignin-based hydrogel by emulsion polymerization 1. Swapan Kumer Ray, PSO (PL) 2. Md. Riyadh Hossen Bhuiyan, RC 3. Md. Rashed Hasan, RC 4. Md. Jaynal Abedin, SSO, IFST 5. Md. Saiful Islam, SSO
8	Dhaka Labs	Development of bitumen emulsion using bio-based polymeric emulsifier for paving and roofing applications 1. Swapan Kumer Ray, PSO (PL) 2. Md. Riyadh Hossen Bhuiyan, RC 3. Md. Zahidul Islam, RC 4. Md. Saiful Islam, SSO 5. Md. Abdullah Al-Mansur, PSO, INARS 6. Md. Shahriar Bashar, PSO, IFRD

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9	Dhaka Labs	Synthesis of biological active chitosan- derivatives as natural preservatives (Phase-1) Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Dr. Md. Monarul Islam, SSO (PL) 2. Md. Rezaul Karim, RC 3. Md. Hemayet Hossain, PSO 4. Md. Amirul Haque, SSO 5. Mohammad Mahbubur Rahman, SSO 6. Dr. Abhijit Chowdhury, SSO, IFST 7. Mahmuda Hakim, SSO, BTRI
10	Dhaka Labs	Current status of macro and microplastics in Bangladesh: Impact and recycling 1. Md. Saiful Islam, SSO (PL) 2. Md. Rashed Hasan, SO 3. Md. Zahidul Islam, SO 4. Swapan Kumer Ray, PSO 5. Shahin Sultana, PSO 6. AHM Shofiul Islam Molla Jamal, SSO, INARS
11	Dhaka Labs	Synthesis of functionalized porous activated carbon derived from lignocellulosic biomass for environmental remediation 1. Mohammad Mahbubur Rahman, SSO 2. Riyadh Hossain Bhuiyan, RC 3. Shamima Akter Eti, SSO 4. Swapan Kumer Ray, PSO 5. Md. Saiful Quddus, SSO, IGCRT 6. Md. Shahariar Bashar, PSO, IFRD 7. Dr. Md. Saiful Islam, PSO, IFRD
12	Dhaka Labs	Chitosan-sodium alginate based plant growth regulator (PGR) 1. Amena Kibria, SO (PL) 2. Nasima Momtaz, RC 3. Dr. Md. Monarul Islam, SSO 4. John Liton Munshi, CSO 5. Dr. M Sarwar Jahan, Director
13	Dhaka Labs	Metal contamination and ecological risk of major estuary in Bangladesh: A baseline study 1. Dr. Md. Kamal Hossain, PSO (PL) 2. Dr. Mohammad Moniruzzaman, PSO, CARF 3. Badhan Saha, SSO 4. Afsana Parvin, SO 5. Afroza Parvin, SSO 6. Priyanka Dey Suchi, SO
14	Dhaka Labs	Non-ionic emulsifier based on poly-functional ester of fatty acids and polyhydroxylic alcohols and their applications 1. Mohammad Amirul Hoque, SSO (PL) 2. Dr. Md. Monarul Islam, SSO 3. Ferdoushi Jahan, SSO 4. Nushrat Jahan Ethane, SSO 5. Murshid Jaman Chowdhury, SSO, LRI 6. Dr. Mohammad Nazrul Islam Bhuiyan, SSO, IFST 7. Dr. Toufiq Ahmed, SE, PP&PDC 8. Dr. Ashish Kumar Sarker, CSO, BTRI
15	Dhaka Labs	Developing a sustainable technique for Tubifex worm culture 1. Nahid Sultana, SSO (PL) 2. Mahmuda Begum, SSO 3. Shanjida Islam, SO
16	Dhaka Labs	Assessing the effect of exogenous allantoin to improve the salt tolerance of <i>Oryza sativa</i> and <i>Solanum tuberosum</i> 1. Nasima Momtaz, RC (PL) 2. Amena Kibria, SO 3. Dr. Md. Humayun Kabir, SSO, INARS 4. Dr. Tanjina Akhtar Banu, PSO 5. Dr. Md. Salim Khan, PSO 6. John Liton Munsu, CSO

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17	Dhaka Labs	Bioremediation of heavy metals in industrial wastewater by using different species of microalgae and hydrophytes 1. Natasha Nafisa Haque, RC (PL) 2. Dr. Md. Zamilur Rahman, SSO 3. Mst. Elina Akhter Zenat, SSO 4. Dr. Md. Kamal Hossain, PSO 5. John Liton Munshi, CSO
18	Dhaka Labs	Isolation and characterization of bioactive metabolites from the medicinal plant <i>Sarcolobus globosus</i> and its associated endophytic fungi 1. Dr. ADA Shahinuzzaman,SSO (PL) 2. Dr. Md. Hossain Sohrab, CSO 3. Satyajit Roy Rony, SSO 4. Fatema Moni, SSO, BTRI 5. Shammi Akhter, SO 6. Md. Najem Uddin, SO
19	Dhaka Labs	Identification of endophytic fungi by amplicon sequencing based Molecular characterization 1. Saima Mollick, SO (PL) 2. Dr. Md. Hossain Sohrab, CSO 3. Dr. Farhana Afroze, SSO 4. Dr. ADA Shahinuzzaman, SSO 5. Fatema Moni, SSO, BTRI 6. Nadira Begum, SSO 7. Md. Ariful Haq, SO
20	Dhaka Labs	Isolation and profiling of bioactive metabolites from the tropical mangrove species <i>Sonneratia caseolaris</i> and its associated fungal endophytes 1. Md. Ariful Haq, SO (PL) 2. Dr. Farhana Afroze, SSO 3. Dr. ADA Shahinuzzaman, SSO 4. Shammi Akhter, SO 5. Saima Mollick, SO 6. Md. Najem Uddin, SO 7. Fatema Moni, SSO, BTRI
21	Dhaka Labs	Scale-up production of protease for application in different sectors 1. Dr. Md. Ahashan Habib, PSO (PL) 2. Dr. Md. Zamilur Rahman, SSO 3. Dr. Md. Tushar Uddin, SSO, LRI 4. Dr. Md. Murshed Hasan Sarkar, SSO 5. Md. Abdur Razzaq, SO, LRI 6. Dr. Md. Salim Khan, CSO
22	Dhaka Labs	Analyzing the impact of Wnt signaling system as molecular diagnostic method and therapeutic target for cancer 1. Iffat Jahan, SO (PL) 2. Dr. Md. Salim Khan, PSO 3. Dr. Md. Ahashan Habib, PSO 4. Dr. Shahina Akter, PSO 5. Dr. Tanjina Akhtar Banu, PSO 6. Barna Goswami, SO 7. Md. Saddam Hossain, SO
23	Dhaka Labs	Bio-remediation of fungi responsible for infestation of finished leather 1. Mst. Elina Akhter Zenat, SSO (PL) 2. Natasha Nafisa Haque, RC 3. Mst. Nadira Begum, SSO 4. Dr. Md. Zamilur Rahman, SSO 5. John Liton Munshi, PSO 6. Kanish Fatema, SSO(Leather Research Institute) 7. Dr. Farhana Afroz, SSO (PSRD) 8. Dr. Md. Abdulla-Al-Mamun, (Assistant Professor) ILET, DU
24	Dhaka Labs	Preparation of biodegradable packaging material from polysaccharide 1. Kamrun Nahar, SSO (PL) 2. Md. Rezaul Karim, RC 3. Sharkar Md. Mahmudul Hassan, SSO

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25	Dhaka Labs	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 1. Khondoker Shahin Ahmed, SO (PL) 2. Md. Hemayet Hossain, PSO 3. Ferdoushi Jahan, SSO 4. Nushrat Jahan Ethane, SSO 5. Dipa Islam, SSO, IFST 6. Mohammad Mahbubur Rahman, SSO, FPRD 7. Dr. Md. Murshed Hasan Sarkar, SSO, BCSIR Laboratories, Rajshahi 8. Mohammad Mohi Uddin, Research Chemist
26	Dhaka Labs	Synthesis of thermoset polyester for preparation of filler and composite materials 1. Shahin Sultana, PSO (PL) 2. Dr. Mohammad Majedul Haque, SSO 3. Jaynal Abedin, SO 4. Md. Saiful Islam, SSO 5. Md. Khabir Uddin Sarker, SSO
27	Dhaka Labs	Preparation of Polyacrylic Acid (PAA) based nanocomposites using jute for the removal of heavy metals from textile effluent 1. Shamima Akther Eti, SSO (PL) 2. Lutfun Naher Hilary, SO 3. Md. Jaynal Abedin, SO 4. Riyadh Hossen Bhuiyan, RC
28	Dhaka Labs	Development of phosphorus based bio-polymer flame retardant for composites and plastic materials 1. Dr. Mohammad Majedul Haque, SSO (PL) 2. Riyadh Hossen Bhuiyan, RC, 3. Md. Jaynal Abedin, SO, 4. Md. Khabir Uddin Sarker, SSO 5. Swapan Kumar Ray, PSO
29	Dhaka Labs	Development of eco-friendly dielectric ceramic materials for energy storage applications 1. Suravi Islam, PSO (PL) 2. Dr. Syed Farid Uddin Farhad, PSO 3. Nazia Khatun, SSO 4. Mohammad Sajjad Hossain, SSO 5. Nazmul Islam Tanvir, RC 6. Dr. Samia Tabassum, SSO, IFRD 7. Monika Mahmud, SO, IGCRT
30	Dhaka Labs	Isolation and characterization of anti-hemolytic and urease inhibitor from <i>Tamarindus indica</i> and <i>Allium sativum</i> extracts 1. Md. Najem Uddin, SO (PL) 2. Dr. Farhana Afroz, SSO 3. Dr. A.D.A. Shahinuzzaman, SSO 4. Suriya Sharmin, SSO 5. Md. Ariful Haq, SO 6. Satyajit Roy Rony, SSO
31	Dhaka Labs	Non conventional production of paper grade pulps from crop wastes 1. Dr. M. Mostafizur Rahman, SSO (PL) 2. Dr. M Sarwar Jahan, CSO 3. Jannatun Nayeem, SO 4. Razia Sultana Popy, SO 5. Kazi Md. Yasin Arafat, SO 6. Dr. Md. Nashir Uddin, PSO 7. Dr. Mohammad Moniruzaman, PSO, BRD 8. Shamim Ahmed, PSO, INARS
32	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) Sabrina Mostofa, SSO (IGCRT) Badhon Saha, SSO Dr. Md. Monarul Islam, SSO Md. Khalid Hasan, Asstt. Professor, University of Dhaka

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33	Dhaka Labs	Biphenyl/Binaphthyl-Bipyridyl Based Organocatalysts for Catalytic Conversion of CO ₂ into Cyclic Carbonate Dr. Md. Monarul Islam, SSO (PL) Dr. Bikash Debnath, Post Doctoral Fellow Dr. Mohammad Moniruzzaman, PSO Md. Hemayet Hossain, PSO Muhammad Abdullah Al Mansur, PSO (INARS) Khondoker Shahin Ahmed, SSO
34	Dhaka Labs	Identification of pharmacophore of isolated bioactive compounds and their structure activity relationship (SAR) study Dr. Md. Hossain Sohrab, CSO (PL) Dr. Farhana Afroz, SSO Fatema Moni, SO Saima Mollick, SO Md. Ariful Haq, SO Muhammad Abdullah Al-Mansur, SSO (INARS)
35	Dhaka Labs	Production of polyvinyl (PVC) solvent cement and composite materials using waste PVC and acrylic polymers Shahin Sultana, PSO (PL) Zahidul Islam, RC Jaynal Abedin, SO Lutfun Naher Hilary, SO Md. Khabir Uddin Sarker, SSO
36	Dhaka Labs	Development of a multi agent based control system for fire disaster management Khaledun Nahar Babi, SSO (PL) Md. Sadequl Islam, M. Engr Abu Kowsar, SO (IFRD) Mst. Kamrun Nahar, SSO Md. Saidul Islam, SSO (IFRD) Md. Forhad Hossain, Engineer (PP&PDC) Dr. Samina Ahmed, CSO & Director
37	Dhaka Labs	Effect of Arsenic-Selenium on some food crops and its possible relevance to arsenicosis disease Badhan Saha, SSO (PL) Dr. Mohammad Moniruzzaman, SSO Dr. Md. kamal Hossain, SSO Afroza Parvin, SO Dr. Shahina Akter, SSO Dipa Islam, SSO (IFST)
38	Dhaka Labs	Formulation, evaluation and comparative study of herbal skin care cosmetics from indigenous sources Ferdoushi Jahan, SSO (PL) Md. Abdul Momen, RC S.M. Mahmudul Hassan, SSO Badhan Saha, SSO Khondoker Shahin Ahmed, SO Sahana Parveen, CSO (IFST)
39	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) Md. Zahidul Islam, RC Md. Saiful Islam, SO Swapan Kumer Ray, SSO Md. Abdullah al-Mansur, SSO (INARS) Dipa Islam, SSO Dr. Toufic Ahmed, SE, (PP&PDC) Dr. M. Sarwar Jahan, CSO

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40	Dhaka Labs	Optimization of bioactive compounds from medicinal plants using statistical method Dr. Md. Anwar Hossain, PSO (PL) Dr. Md. Hossain Sohrab, CSO Dr. Farhana Afroz, SSO Satyajit Roy Rony, SO Shammi Akhter, SO Mst. Nadira Begum, SSO
41	Dhaka Labs	Production of Graphene from graphite and carbon Mohammad Amirul Hoque, SSO (PL) Dr. Syed Farid Uddin Farhad, SSO Muhammad Shahriar Bashir, SSO
42	Dhaka Labs	Development of dissolution, analytical and bioanalytical methods for estimation of Trimetazidine Suriya Sharmin, SSO (PL) Dr. Farhana Afroz, SSO Satyajit Roy Rony, SO Dr. Md. Hossain Sohrab, PSO
43	Dhaka Labs	Process for the production of esters and its derivatives from locally available chemicals and their bioactivity observations Dr. Shahin Aziz, PSO (PL)
44	Dhaka Labs	Bioassay screening of extracts, fractions and isolated metabolites obtained from natural sources Farhana Afroz, SSO (PL) Dr. Md. Hossain Sohrab, CSO Satyajit Roy Rony, SSO Suriya Sharmin, SO Nadira Begum (BRD), SO
45	Dhaka Labs	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) Ms. Suravi Islam, PSO Mr. Md. Moazzem Hossain, RC Mr. Nazmul Islam Tanvir, SO
46	Dhaka Labs	Development and characterization of neutralizing antibodies against SARS-CoV-2 infection a) Advisor: Muhammad Showkat Ali, Member, BCSIR b) Consultant: Prof. Dr. Abdul Mannan, Department of Endocrinology and Medicine, Anwer Khan Modern Hospital 1. Dr. ADA Shahinuzzaman, SSO (PL) 2. Dr. Md. Hossain Sohrab, PSO 3. Dr. Farhana Afroz, SSO 4. Satyajit Roy Rony, SSO 5. Suriya Sharmin, SSO 6. Fatema Moni, SO 7. Shammi Akhter, SO 8. Md. Najem Uddin, SO 9. Ariful Haq, SO
47	Dhaka Labs	Isolation of bioactive compounds from <i>Lawsonia alba</i> Lam Shammi Akhter, SSO-PL Dr. Md. Hossain Sohrab, CSO Satyajit Roy Rony, SSO Suriya Sharmin, SO Md. Ariful Haq, SO
48	Dhaka Labs	Development of rayon grade pulp from mixture of jute stick and jute fiber 1. Dr. M. Mostafizur Rahman, SSO (PL) 2. Jannatun Nayeem, SO 3. Razia Sultana Popy, SO 4. Kazi Md. Yasin Arafat, SO 5. Dr. Md. Nashir Uddin, PSO 6. Dr. M Sarwar Jahan, CSO
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49	Dhaka Labs	Economic importance of Insect in formation of Agar within Agarwood tree: It's identification, biology & technique development for insect rearing Nahid Sultana, SSO (PL) Md. Rakibul Hasan, SSO Lailatul Ferdousi, SO
50	Dhaka Labs	Production of useful Laboratory Chemicals as $(\text{NH}_4)_2\text{C}_2\text{O}_4$, $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$, $\text{Na}_2\text{M}_0\text{O}_4$, $\text{NH}_4\text{CH}_3\text{CO}_2$, NH_4Cl , for Research & Industrial use Nashrat Jahan Ethane, SSO-PL Dr. Pozush Kanti Baswas, PSO Dr. Ismat Ara Jahan, CSO Md. Hemayet Hossain, SSO Khondoker Shahin Ahmed, SO
51	Dhaka Labs	Development of Magnetic material for sensor Nazia Khatun, SSO-PL Dr. Most. Hosney Ara Begum, CSO Suravi Islam, PSO Dr. Syed Farid Uddin Farhad, PSO
52	Ctg. Labs	Molecular characterization of multidrug resistant <i>E. coli</i> and effectiveness of essential oil and fungal secondary metabolites against <i>E. coli</i> isolates 1. Dr. Md. Saiful Islam, SSO (PL) 2. Rajib Sarkar, SO 3. Saddam Hossain, SO 4. Farjana Showline, SO 5. Dr. Md. Salim Khan, CSO, Dhaka Labs
53	Ctg. Labs	Preparation and characterization of metal Hydride for hydrogen storage Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Kawsar Ahmed SO (PL) 2. Dr. Md. Abdus Salam, SPE 3. Md. Shehan Habib, SO 4. Md. Sahab Uddin, SO
54	Ctg. Labs	Formulation and characterization of Clarithromycin gastroretentive floating microspheres 1. Paroma Arefin, SO (PL) 2. Md. Shehan Habib, SO 3. Md. Abdur Rahim, SO, BTRI 4. Dr. Dipankar Chakraborty, PSO 5. Dr. Mohammad Mostafa, CSO
55	Ctg. Labs	Effects of silver nanoparticles on growth, microbial population and arsenic uptake of leguminous plants Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Md. Saidur Rahman, SSO (PL) 2. Nemai Chandra Nandi, PSO 3. Dr. Saiful Islam, SSO 4. Dr. Mohammad Zabed Hossain, Professor, DU 5. Muhammad Abu Bakar, SSO
56	Ctg. Labs	Assessment of Pb, Cd and Hg content in herbal and synthetic cosmetics 1. Sujan Kanti Das, SO (PL) 2. A. J. M. Morshed, SSO 3. Muhammad Abu Bakar, SSO 4. Dr. Mohammad Mostafa, CSO
57	Ctg. Labs	Anti-inflammatory and analgesic activity evaluation of <i>Mesua nagessarium</i> 1. Rasheda Akter, SSO (PL) 2. Dr. Mohammad Mostafa, CSO 3. Tania Sharmin, SO (PL) 4. Nusrat Jahan Mouri, SSO 5. Saddam Hossain, SO

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58	Ctg. Labs	Development of vitamin enriched hair care products from medicinal plants 1. Amena Kibria, SO (PL) 2. Nishat Tasnim, SO 3. Md. Saidur Rahman, SSO 4. Nimai Chandra Nandi, PSO 5. Farjana Showline Chaity, SO 6. Ferdoushi Jahan, SSO, DLand 7. Dr. Mohammad Mostafa, Director (Addl. Charge)
59	Ctg. Labs	Development of bio-coagulant from jack fruits and bean seeds for waste water treatment 1. Abu Baker, SSO (PL) 2. Sujan Kanti Das, SO 3. Dr. Saiful Isalm, SSO 4. Dr. Abdus Salam, SSO 5. Sagor Baurua, ETP Incharge, KDS Textile Ltd and 6. Dr. Dipankar Chakraborty, PSO 7. Dr. Mohammad Mostafa, Director (Addl Charge)
60	Ctg. Labs	Preparation of anti-acne face wash from herbal extracts 1. Dr. Dipankar Chakraborty, PSO (PL) 2. Sreebash Chandra Bhattacharjee, PSO 3. Suman Das, SSO 4. Saidur Rahman, SSO 5. Paroma Arefin, SO 6. Ferdoushi Jahan, SSO, Dhaka Labs 7. Rajib Sarker, SO 8. Dr. Mohammad Mostafa, CSO
61	Ctg. Labs	Synthesis and characterization of Low cost photocatalyst for hydrogen production 1. Md. Shahab Uddin, SO (PL) 2. Dr. Md. Abdus Salam, SPE 3. Md. Shehan Habib, SO 4. Kawsar Ahmed, SO
62	Ctg. Labs	Development of low cost biodegradable polyethylene composite for packaging applications 1. Kawsar Ahmed, SO (PL) 2. Dr. Md. Abdus Salam, SPE 3. Md. Shehan Habib, SO 4. Shahab Uddin, SO
63	Ctg. Labs	Study on inhibitory effects of some common medicinal plants on dental plaque forming bacteria and the production of herbal toothpaste 1. Nusrat Jahan Mouri, SSO (PL) 2. Rasheda Akter, SSO 3. Tania Sharmin, SO 4. Sakia Ferdousy, SO 5. Saddam Hossain, SO
64	Ctg. Labs	Formulation of aroma products from available essential oils 1. Debabrata Karmakar, SO (PL) 2. Dr. Dipankar Chakraborty, PSO 3. Sreebash Chandra Bhattacharjee, PSO 4. Dip Bhowmik, SO 5. Dr. Mohammad Mostafa, CSO
65	Ctg. Labs	Development of anti-obesity herbal products 1. Dr. Saiful Islam, SSO (PL) 2. Rajib Sarkar, SO 3. Farjana Showline Chaity, SO 4. Rasheda Akter, SSO 5. Dr. Mohammad Mostafa, CSO
66	Ctg. Labs	Screening of novel bioactive compounds from soil Actinomycetes 1. Farjana Showline Chaity, SO (PL) 2. Dr. Saiful Islam, SSO 3. Rajib Sarkar, SO 4. Md. Sahab Uddin, SO 5. Habibur Rahman Bhuiyan, CSO

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67	Ctg. Labs	Development of value added herbal products (skin care and medicated soap, facewash cream, lip gel etc.) from locally available indigenous plants Md. Saidur Rahman, SO (PL) Md. Nazrul Islam Bhuiyan, SSO Nemai Chandra Nandi, PSO Barna Goswami, SO Sadia Afrin, SO Nusrat Jahan Mouri, SO
68	Ctg. Labs	Development of quality seeds of leguminous/ pulses plants: Checkpea (Cicer arietinum), Pea (Pisum sativum) etc. through nanotechnology. Md. Saidur Rahman, SO (PL) Dr. Md. Nazrul Islam Bhuiyan, SSO Sadia Afrin SO Nemai Chandra, PSO Nusrat Jahan Mouri, SO Barna Goswami, SO
69	Ctg. Labs	Formulation and In vitro Characterization of sustained release Fexofenadine HCl Microspheres using different polymeric blends by Emulsification Solvent Evaporation Paroma Arefin, SSO (PL)
70	Ctg. Labs	Investigating natural antibacterial agent from garlic against multidrug resistant pathogens 1. Md. Saddam Hossain, SO (PL) 2. DR. Saiful Islam, SSO 3. Suman Das, SSO 4. Farjana Showline Chaity, SO 5. Rasheda Akter, SSO
71	Raj. Labs	Production of cost effective fish and poultry feed from silkworm, black soldier fly and fish waste 1. Lailatul Ferdousi, SO (PL) 2. Dr. Mst. Sarmina Yeasmin, SSO 3. Md. Abu Bakar Siddique, SSO, INARS 4. Farhana Jahan, SO 5. Trissa Shaha, SO 6. Halima Khatun, SSO
72	Raj. Labs	Development of cost effective recovering technology of useful chemicals from waste PET bottle Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Md. Badrul Islam, PhD, PSO (PL) 2. Dr. Md. Nurul Huda Bhuiyan, PSO 3. Shyama Prosad Moulick, SO 4. Mahci Al Bashera, SO 5. Md. Sabbir Hasan, SO
73	Raj. Labs	Production of different fermented fruit vinegars and exploring their potential health benefits 1. Md. Jahidul Islam, SSO (PL) 2. Md. Zafor As Sadiq, SO 3. Subarna Sandhani Dey, SO 4. Mahci Al Bashera, SO 5. Dr. Barun Kanti Saha, CSO
74	Raj. Labs	Bio-composites from cellulose and shrimp chitosan for waste water treatment Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Md. Mahmudur Rahman, SO (PL) 2. Mst. Samina Yeasmin, SSO 3. Mahci Al Bashera, SO 4. Tahmina Akter Chowdhury, RC 5. G.M Masud Rana, RC 6. Dr. Barun Kanti Saha, CSO
75	Raj. Labs	Green synthesis of Zinc Oxide/ metal nanoparticles for insulin sensing Bio-sensor 1. Nasim Ahmed, SO (PL) 2. Nazim Uddin Ahmed, PSO 3. Md. Ahasanur Rabbi, SSO 4. Firoz Ahmed, SO 5. Ali Ahsan Muzahid, SO
Sl. No.	Lab Name	Project Title and Name of Project Leader

76	Raj. Labs	Extraction of methyl Eugenol from Indigenous sources and its application in insecticide 1. Firoz Ahmed, SO (PL) 2. Md. Ahasanur Rabbi, SSO 3. Hurey Jahan Kadri, RC 4. Bijoy Maitra, RC 5. Md. Zia Uddin Rasel, RC
77	Raj. Labs	Green synthesis of metal nanoparticles and their application as advanced colouring material 1. Md. Ahasanur Rabbi, SSO (PL) 2. Most. Halima Khatun (SSO) 3. Firoz Ahmed (SO) 4. Nasim Ahmed (SO) 5. Bijoy Maitra (RC) 6. Md. Zia Uddin Rasel (RC)
78	Raj. Labs	Extraction of colorant from indigenous sources and its application on textile fabrics and jute 1. Most. Halima Khatun, SSO (PL) 2. Ahasanur Rabbi, SSO 3. Firoz Ahmed, SO 4. Nasim Ahmed, SO 5. Bijoy Maitra, RC 6. Md. Zia Uddin Rasel, RC
79	Raj. Labs	Development of cost effective technology for the isolation of aleuritic acid from Lac 1. Md. Sabbir Hasan, SO (PL) 2. Md. Badrul Islam, PSO 3. Md. Jahidul Islam, SSO 4. Shyama Prosad Moulick, SO
80	Raj. Labs	Isolation of glycosidic terpenoids from <i>Oldenlandia corymbosa</i> L. to find out the preventive activity of arterial dysfunction 1. Mahci Al Bashera, SO (PL) 2. Dr. Md. Murshed Hasan Sarkar, SSO, F&FRD 3. Farhana Jahan, SO 4. Md. Mahmudur Rahman, SO 5. Trissa Saha, SO 6. Subarna Sandhani Dey, SO, F&FRD
81	Raj. Labs	Development of functional food from seeds and flowers of <i>Cucurbita maxima</i> 1. Farhana Jahan, SO (PL) 2. Md. Badrul Islam, PSO 3. Mahci Al Bashera, SO 4. Trissa Saha, SO 5. Md. Mahmudur Rahman, SO 6. Farhana Bobby, SO, F&FRD
82	Raj. Labs	Bacteriophage mediated clearance of drug resistant infection 1. Fatema Tuz Jubya, SO (PL) 2. Dr Md. Murshed Hasan Sarkar, SSO 3. Dr. Md. Ibrahim, CSO 4. Dr. Arfatun Nahar Chowdhury, SSO 5. A.K.M. Shamsul Alam, PSO 6. Amit Kumar Dey, RC 7. Md. Moniruzzaman, RC 8. Sabbir Ahmed, RC
83	Raj. Labs	Isolation and application of Prodigiosin in controlling bacterial and cancer cell proliferation 1. Farhana Bobby, SO (PL) 2. Dr. Md. Ibrahim, CSO 3. Dr. Md. Murshed Hasan Sarkar, SSO 4. Subarna Sandhani Dey, SO 5. Mahci-Al-Bashera, SO 6. Farhana Jahan, SO 7. Trissa Saha, SO

Sl. No.	Lab Name	Project Title and Name of Project Leader
84	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) AKM. Shamsul Alam, PSO Md. Zafar as Sadiq, SO, Paroma Arefin, SO, Subarna Sandhani Dey, SO Md. Shimul Parvaz, RC
85	Raj. Labs	Extraction, purification and characterization of natural food colorant from different fruits and vegetables Shyama Prosad Moulic, SO (PL) Dr. Md. Lutfor Rahman, CSO Md. Jahidul Islam, SO Md. Sabbir Hasan, SO Sabbir Ahmed, RC Mondira Saha, SO Khokon Chandra Modok, SO
86	Raj. Labs	Development of Feed Products Containing Omega-3 Fatty Acid from Algae Md. Moniruzzaman, RC (PL) AKM. Shamsul Alam, PSO Dr. Murshad Hasan Sarkar, SO Dr. Sarmina Yeasmin, SSO Dr. Arfatun Nahar Chowdhury, SSO Dr. Sabrina Naz, Professor, Rajshahi University
87	Raj. Labs	Isolation of alpha-linolenic acid from flaxseed Md. Nazim Uddin Ahmed, PSO Atoll Goswami, SO (PL) Md. Abdur Rahim, SO Ali Ahasan Mujahid, RC
88	Raj. Labs	Unique formulation of edible oil blended with rice bran and other indigenous oils Dr. Sarmina Yeasmin, PSO Md. Moinuddin, PSO Md. Abdul Jalil, RC
89	Raj. Labs	Isolation and identification of bioactive compounds from the bark of <i>annona muricata</i> Subarna Sandhani Dey, SO (PL) Dr. Murshad Hasan Sarkar, SO Mashrafi Bin Mobarak, SO Mahci Al Basher, SO Trissa Saha, SO
90	IFRD	Synthesis of graphene nanorod as Electron Transport Layer (ETL) for Perovskite Solar Cells (PSCs) Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Mohammad Shah Jamal, PSO (PL) 2. Mosharof Hossain, PSO 3. Muhammad Shahriar Bashar, PSO 4. S.M Asaduzzaman Sujon, PSO 5. Dipa Islam, SSO, BTRI 6. Dr. Shahin Aziz, Director (Addl. Charge)
91	IFRD	Development of an android app to design and calculate the photovoltaic solar home system (SHS) 1. Muhammad Shahriar Bashar, PSO (PL) 2. Afrina Sharmin, SSO 3. Munira Sultana, SO 4. Ayesha Siddika, SO 5. Dr. Shahin Aziz, Director (Addl. Charge)
92	IFRD	Reduction of CO ₂ gas emission using catalytic sorbent derived from solid waste 1. Mosharof Hossain, PSO (PL) 2. Dr. Mohammad Shah Jamal, PSO 3. S.M. Asaduzzaman Sujon, PSO

Sl. No.	Lab Name	Project Title and Name of Project Leader
93	IFRD	Development of an Artificial Intelligence (AI) embedded power management device 1. Md. Saidul Islam, SSO (PL) 2. Mashudur Rahaman, PSO 3. Sumon Chandra Debnath, SSO, PP&PDC 4. Md. Sadequl Azam, SO 5. Abu Kawsar, SSO 6. Dr. Shahin Aziz, Director (Addl. Charge)
94	IFRD	Increasing the photo-conversion efficiency of CdTe-based solar cell by selective Cl-treatment 1. Afrina Sharmin, SSO (PL) 2. Muhammad Shahriar Bashar, PSO 3. Munira Sultana, SO 4. Ayesha Siddika, SO 5. Dr. Shahin Aziz, Director (Addl. Charge)
95	IFRD	Techno-economic evaluation of a micro-grid photovoltaic system for healthcare centre 1. Abu Kowsar, SSO (PL) 2. Md. Saidul Islam, SSO 3. Mashudur Rahaman, PSO 4. Sumon Chandra Debnath, SSO, PP&PDC 5. Dr. Nawshad Haque, Senior Scientist, CSIRO, Australia 6. Dr. Firoz Alam, Professor, RMIT University, Australia
96	IFRD	Production of bio-diesel from pithraj and leather fleshing 1. Sujit Kumar Banik, PSO (PL) 2. Dr. Modhu Sudan Saha, PSO and Officer In-charge, LRI, BCSIR 3. Dr. Md. Saiful Islam, PSO 4. Taposhi Rabeya, SSO 5. Mohammad Asadullah Asad, SSO 6. Dr. Neelima Afroz Molla, SO, LRI, BCSIR
97	IFRD	Development of technology for production of lube oil from heavy condensate of different gas fields 1. Sujit Kumar Banik, PSO (PL) 2. Dr. Md. Saiful Islam, PSO 3. Taposhi Rabeya, SSO
98	IFRD	Development of soft magnetic materials for electrical and electronic devices 1. Mashudur Rahaman, PSO 2. Md. Azizul Hoque, SSO, 3. Syed Shafquat Mahmood, SO 4. Md. Sadequl Azam, SO 5. Md. Saidul Islam, SSO
99	IFRD	Design and development of devices for solar photovoltaic power system 1. Md. Sadequl Azam, SO, IFRD 2. Mashudur Rahaman, PSO 3. Md. Saidul Islam, SSO 4. Abu Kowsar, SO 5. Sumon Chandra Debnath, SO 6. Md. Azizul Hoque, SSO
100	IFRD	Incorporation of inorganic hole-transporting material (HTL) for efficient and stable perovskite solar cells 1. Mohammad Shah Jamal, PSO (PL) 2. Muhammad Shahriar Bashar, PSO 3. Samia Tabassum, SSO 4. S.M Asaduzzaman Sujan, PSO 5. Mosharof Hossain, PSO
101	IFRD	Design and development of indoor solar cooking system by using evacuated tube collector 1. Dr. Samia Tabassum, PSO (PL) 2. Sumon Chandra Debnath, SO 3. Ayesha Siddika, SO 4. Md. Sadequl Azam, SO 5. Most. Nilufa Yeasmin, SO

Sl. No.	Lab Name	Project Title and Name of Project Leader
102	IFRD	Development of a photocatalyst for waste water treatment 1. Dr. Samia Tabassum, PSO (PL) 2. Muhammad Shahriar Bashar, PSO 3. Sumon Chandra Debnath, SO 4. Ayesha Siddika, SO 5. Most. Nilufa Yeasmin, SO
103	IFRD	Study & evaluation of the installed biogas plant under different biogas technology dissemination project of BCSIR 1. S.M Asaduzzaman Sujan, PSO (PL) 2. Dr. Mohammad Shah Jamal, PSO 3. Mosharof Hossain, PSO
104	IFRD	Methane loss minimization & carbon dioxide recovery systems for water scrubbing based biogas up gradation 1. Mosharof Hossain, PSO (PL) 2. Dr. Mohammad Shah Jamal, PSO 3. S.M Asaduzzaman Sujan, PSO
105	IFRD	Baseline performance study on present solar power system in Bangladesh Muhammad Shahriar Bashar, PSO (PL) Afrina Sharmin, SO Munira Sultana, SO Syed Shafquat Mahmood, SO Md. Abul Kashem, Director-in-charge
106	IFRD	Pretreatment of agricultural residues (maize stalk) for enhancing biogas and other value added chemicals production. Dr. Md. Saiful Islam, PSO (PL) Taposhi Rabeya, SSO, Mohammad Asadullah Asad, SO, Dr. Engr. Md. Abul Kashem, Director (Addl Charge), Swapan Kumar Ray, SSO, BCSIR Labs, Dhaka Dr. Mohammad Majedul Haque, SSO, BCSIR Labs, Dhaka Dr. M Sarwar Jahan, CSO, BCSIR Labs, Dhaka
107	IFRD	Development of a novel modeling and simulation tool for Solar cells Abu Kowsar, SO (PL) Sumon Chandra Debnath, SO Md. Sadequl Azam, SO Mohammad Shahariar Bashar, SSO Mashudur Rahman, SSO Md. Saidul Islam, SSO Khaledun Nahar Babi, SSO (Dhaka Labs.) Dr. Syed Farid Uddin Farhad, SSO
108	IFRD	Design and performance analysis of safer and user friendly biogas plant suitable for Bangladesh Mohammad Asadullah Asad, SSO (PL) S.M. Asaduzzaman Sujan, SSO Moshaeof Hossain, SSO Ajoy Kanti Mandal, SO Mahfuza Khanam, Director
109	IFRD	Design and development of renewable energy appliance Muhammad Shahriar Bashar, PSO (PL)

Sl. No.	Lab Name	Project Title and Name of Project Leader
110	IFRD	Purification of biogas for commercial usage Ajoy Kanti Mondal, SO (PL) Mohammad Asadullah Asad, SO Taposhi Rabeya, SO Eng. Dr. Abul Kashem, Director (Addl. Charge)
111	IFRD	Production of Bio-lubricating oil from non-edible seeds Sujit Kumar Banik, SO- PL Dr. Md. Abdur Rouf, CSO- IFRD, Taposhi Rabeya, SO- IFRD Mahfuza Khanam, Director, IFRD
112	IFRD	Production of bioenergy from waste materials through Microbial Fuel Cell Mosharaf Hossain, SSO (PL) S. M. Asaduzzaman Sujan, SSO Dr. Saiful Islam, SSO Dr. Eng. Md. Abul Kashem, PSO
113	IFRD	Design and development of energy efficient biogas cook stove S. M. Asaduzzaman Sujan, SSO (PL) Dr. Md. Saiful Islam, SSO, IFRD Mosharof Hossain, SSO, IFRD Taposhi Rabeya, SSO, IFRD Dr. Engr. Md. Abul Kashem, Director (Addl Charge), IFRD
114	IFRD	Uninterrupted solar cooking using phase change materials Md. Azizul Hoque, SO (PL) Mashudur Rahman, SSO Md. Saidul Islam, SSO Md. Sadekul Azam, SO Sumon Chandra Devnath, SO
115	IFRD	Fabrication and characterization of dye Sensitized Solar Cell Muhammmad Shahriar Bashar, SSO (PL) Dr. Samia Tabassum, SSO Sumon Chandra Debnath, SO Munira Sultana, SO Ayesha Siddika, SO
116	IFST	Development of malted supplementary foods for children (age: 6-14) 1. Dr. Md. Mahbubar Rahman, PSO (PL) 2. Umma Fatema Shahjadee, PSO
117	IFST	Prevalence and molecular characterization of foodborne <i>Escherichia coli</i> O157:H7 in milk, meat & vegetables 1. Meher Nigad Nipa, SSO (PL) 2. Dr. Md. Nazrul Islam Bhuiyan, SSO 3. Nourin Tarannum, SO 4. Dr. Sadia Afrin, SO 5. Dr. Sahana Parveen, CSO
118	IFST	Development of potential anti-biofilm compounds for pharmaceutical industries 1. Dr. Abhijit Chowdhury, SSO (PL) 2. Dr. Md. Nazrul Islam Bhuiyan, SSO 3. Dr. Sadia Afrin, SO 4. Dr. Abdus Satter Miah, CSO 5. Dr. Ashish Kumer Sarker, CSO, BTRI
119	IFST	Bioactive and food grade pigment from soil microbes 1. Dr. Muhammad. Nazrul Islam Bhuiyan, PSO (PL) 2. Dr. Abhijit Choudhury, SSO 3. Dr. Sadia Afrin, SO 4. Mohammad Amirul Hoque, SSO, Dhaka Labs 5. Dr. Abdus Satter Miah, CSO 6. Dr. Ashish Kumer Sarker, CSO, BTRI 7. Salma Ahmed, PSO 8. Dr. Tasnim Farzana, PSO

Sl. No.	Lab Name	Project Title and Name of Project Leader
120	IFST	Improvement of cheese and yogurt quality through CRISPR-CAS 9 technology 1. Dr.G.M.M Anwarul Hasan, SSO (PL) 2. Dr. Abdus Satter Miah, CSO 3. Dr. Abhijit Chowdhury, SSO
121	IFST	Development of sugar-free ice cream 1. Dr. G.M.M Anwarul Hasan, SSO (PL) 2. Dr. Kanika Mitra, SSO 3. Dr. Abdus Satter Miah, CSO
122	IFST	Estimation of pesticides and drug residues in milk and dairy products 1. Dr. G.M.M Anwarul Hasan, SSO (PL) 2. Dr. Abdus Satter Miah, CSO 3. Dr. Md. Humayun Kabir, SSO, INARS 4. Dr. Md. Nazrul Islam Bhuiyan, SSO
123	IFST	Preparation of cost effective fish feed from indigenous sources for Thai Koi 1. Mohajira Begum, SSO (PL) 2. Md. Zia Uddin Al Mamun, SO
124	IFST	Molecular identification and characterization of <i>Cronobacter</i> spp. from powdered infant milk formula (PIF) 1. Meher Nigad Nipa, SSO (PL) 2. Dr. Md. Nazrul Islam Bhuiyan, SSO 3. Nourin Tarannum, SO 4. Dr. Sadia Afrin, SO
125	IFST	Development of meat products with active compound, micro-encapsulated by phyto-ingredients 1. Mohammad Mahfuzur Rahman, PSO (PL) 2. Abu Tareq Mohammad Abdullah, PSO 3. Tanzir Ahmed Khan, PSO 4. Dr. Sharmin Jahan, SSO 5. Md. Motalab, SSO 6. Bushra Momtaz, SSO 7. Dr. Barun Kanti Saha, CSO
126	IFST	Study on degradation of edible oils during thermal processing and storage 1. Sharmin Akter Lisa, SSO (PL) 2. Md. Alamgir Kabir, PSO 3. Mohammad Mahfuzur Rahman, PSO
127	IFST	Preparation of enriched food products from foxtail millet 1. Dr. Tasnim Farzana, PSO (PL) 2. Fahiza Bisrat Hossan, SO 3. Mohammad Tariqul Hassan, SSO 4. Dr. Mohammad Nazrul Islam Bhuiyan, SSO 5. Dr. Md. Abdus Satter Miah, CSO
128	IFST	Development of nutritious instant food products from sweet potato, cabbage and pumpkin 1. Dr. Tasnim Farzana, PSO (PL) 2. Fahiza Bisrat Hossain, SO 3. Dr. Mohammad Nurul Huda Bhuiyan, SSO 4. Dr. Sadia Afrin, SO
129	IFST	Development of value added food products from Vegetables (eg. Carrot, Tomato, Cauliflower, Cabbage etc.) Anjumanara Khatun, SSO (PL) Dr. Sultana Anjuman Ara Khanom, PSO, IFST Dr. Sahana Parveen, PSO, IFST Mohammad Mohi Uddin, RC
130	IFST	Scaled-up bioconversion of fish waste to produce organic liquid fertilizer. Mohajira Begum, SSO (PL) Shanzida Islam, SO, IFST Dr. Sadia Afrin, SO, IFST

Sl. No.	Lab Name	Project Title and Name of Project Leader
131	IFST	A study on nutritional facts and adulteration of baby foods available in local markets in Bangladesh Dr. Kanika Mitra, SSO (PL) Dr. Md. Abdus Satter Miah ,PSO, IFST Tanzir Ahmed Khan, SSO, IFST Mohammad Tariqul Hassan, SSO, IFST Dr. GMM Anwarul Hasan, SSO, IFST Liton Chandra Mohanta, SSO, IFST Ummey Hafsa Bithi, RC, IFST
132	IFST	Development of import substitute value added fruit product with assistance of “Advanced processing technologies” Dr. Sharmin Jahan, SSO (PL) Md. Motaleb, SO, IFST Bushra Mumtaz, SO, IFST Dr. Barun Kanti Saha, PSO and Director (In Charge), IFST Dr. Sadia Afrin , SO, IFST
133	IFST	Formulation of nutraceutical product for Diarrheal patient Md. Mamunur Rashid, SO (PL) Maesha Musarrat, SO, IFST Dr. Ashish Kumar Sarker, CSO, IFST
134	IFST	Isolation of microbial enzymes (lipase, amylase, protease etc.) from environmental microbes and their industrial applications Dr. Md. Nazrul Islam Bhuiyan, PSO (PL) Dr. Sadia Afrin, SSO Dr. Sahana Parveen, CSO Meher Nigad Nipa, SSO Nourin Tarannum, SO
135	IFST	Effects of Aflatoxin (AFs) in tissues of cultured prawn and finding possible remedies for the Aflatoxin detoxification of feed Mohammad Tariqul Hassan, PSO (PL) Dr. Md. Nurul Huda Bhuiyan, PSO Maksuda Begum, SSO Dr. Tasnim Farzana, PSO
136	IFST	Cereal based functional foods for young children Dr. Md. Abdus Sattar Miah, CSO (PL) Ms. Syeda Absha Jabin, SSO Md. Faridul Islam, SO Nusrat Abedin, SO
137	IFST	Establishment of New Foodborne Pathogens from Fast Food and beverages Dr. Sahana Parveen, CSO (PL) Nourin Tarannum, SO Suvra Das, SO Meher Nigad Nipa, SSO Dr. Mohammad Nazrul Islam Bhuiyan, SSO Dr. Sadia Afrin, SO Salma Ahmed, PSO Dr. Sultana Anjuman Ara Khanom, PSO Anjumanara Khatun, SSO
138	IFST	Novel antibiotics sources to combat antibiotic resistance in Gram-negative bacteria Dr. Mohammad Nazrul Islam Bhuiyan, SSO
139	IFST	Development of Low Glycemic Index (GI) food products (Noodles, Pasta, Spaghetti) using legume and rice by- products Maesha Musarrat, SO (PL) Md. Mamunur Rashid, RC, IFST Dr. Ashish Kumar Sarker, PSO, IFST

Sl. No.	Lab Name	Project Title and Name of Project Leader
140	IFST	Development and preparation of nutritious foods using locally available raw materials to combat Geriatric malnutrition Salma Ahmed, PSO (PL) Kanika Mondal, SSO Md. Tariqul Hassan, SSO Dipa Islam, SSO
141	IFST	A cross sectional study of plasticizers on diabetes and cardiovascular disease 1. Dr. Md Nurul Huda Bhuiyan, SSO (PL) 2. Muhammad Showkat Ali, Member (Finance), BCSIR 3. Prof. Dr. Abdul Mannan, Department of Endocrinology and Medicine, Anwer Khan Modern Hospital 4. Mohammad Tariqul Hassan, SSO 5. Maksud Begum, SSO
142	PP & PDC	Pilot plant study for developing Sn-57Bi-Ag-Cu-Zn-Sb Alloy as Lead free solders 1. Dr. MA Gafur, PSO (PL) 2. Sajib Anida Dhar, Engineer 3. Rakibul Qadir, Sr. Engineer
143	PP & PDC	Recycling of PPE in the environment due to COVID-19 pandemic 1. Dr. M.A. Gafur, PSO (PL) 2. Sajib Anida Dhar, Engineer 3. Rakibul Qadir, Sr. Engineer 4. Dr. Md. Saiful Islam, PSO, IFRD 5. Swapan Kumer Roy, PSO, Dhaka Labs 6. Nahid Sharmin, Director (Addl. Charge)
144	PP & PDC	Development and characterization of NPs (Ag, GO) impregnated polymer (PP) composites to combat Viruses 1. Dr. M.A. Gafur, PSO (PL) 2. Sajib Anida Dhar, Sr. Engineer 3. Rakibul Qadir, Sr. Engineer 4. Dr. Murshed Hasan Sarker, SSO, Rajshahi Labs 5. Dr. Nazrul Islam Bhuiyan, SSO, IFST 6. Nahid Sharmin, Director (Addl. Charge)
145	PP & PDC	Development and characterization of Au-NPs to detect SARS COV2 viruses 1. Dr. M.A. Gafur, PSO (PL) 2. Sajib Anida Dhar, Sr. Engineer 3. Sattajit Roy Rony, SSO, Dhaka Labs 4. Muhammad Shahriar Bashir, PSO, IFRD 5. Dipa Islam, SSO, BTRI 6. Dr. Murshed Hasan Sarker, SSO, Rajshahi Labs 7. Rakibul Qadir, Sr. Engineer
146	PP & PDC	Real-time monitoring and control of multiple ETPs by implementing Internet of things (IOT) 1. Md. Forhad Hossain, Sr. Eng. (PL) 2. Sarker Kamruzzaman, PSO 3. Rajata Suvra Chakrovorty, Sr. Eng. 4. Md. Faruk Hosen, Engineer 5. Md. Ruhul Amin, Engineer 6. A.H.M Shofiul Islam Molla Jamal, SSO, INARS
147	PP & PDC	Design, development & pilot plant study of IOT based Pulse Oximetry monitoring system for rural hospitals 1. Mohammad Farsid Raihan, Engineer (PL) 2. Md Badrul Abedin, Pr. Engineer 3. Rajata Shuvra Chakravorty, Senior Engineer 4. Md Forhad Hossain, Senior Engineer 5. Md Faruk Hossen, Engineer
149	PP & PDC	Pilot plant study for the development of nano-particles (NPs) and doped HAP to remove antibiotics from water 1. Dr. MA Gafur, PSO (PL) 2. Sajib Anida Dhar, Engineer 3. Md. Ariful Rahaman Khan, Engineer 4. Dr. Nurul Huda Bhuiyan, SSO, IFST

Sl. No.	Lab Name	Project Title and Name of Project Leader
148	PP & PDC	System analysis of commercial and custom made drone for Bangladesh Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Dr. Most. Hosney Ara Begum, CSO (PL) 2. Md. Forhad Hossain, Sr. Engineer 3. Fazle Rabbi, Engineer 4. Md. Faruk Hosen, Engineer 5. Mohammad Farsid Raihan, Engineer 6. Md. Tasnim Rana, Engineer
150	PP & PDC	Development of modified hydroxyapatite incorporated hydrogels for several biomedical applications 1. Dr. MA Gafur, PSO (PL) 2. Dr. Md. Hossain Sohrab, PSO, Dhaka Lab, BCSIR 3. Md. Sharier Bashar, PSO, IFRD, BCSIR 4. Dipa Islam, SSO, BTRI, BCSIR 5. Dr. Amjad Hossain, Faculty of Dentistry, BSMMU 6. Dr. Ahsanul Kaiser, Posr Doctoral Fellow, PP & PDC
151	PP & PDC	Pilot plant study for developing Al-SiC Metal Matrix Composites (MMC) Md. Rakibul Qadir, Senior Engineer (PL) Dr. Abdul Gafur, PSO Aninda Nafis Ahmed, Senior Engineer Sajib Aninda Dhar, Engineer Md. Arifur Rahaman Khan, Engineer
152	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) Md. Rakibul Qadir, Senior Engineer Sajib Aninda Dhar, Engineer Md. Arifur Rahaman Khan, Engineer Md. Khairul Islam, Engineer (IMMM)
153	PP&PDC	Field Study of HAP, Al ₂ O ₃ , ZrO ₂ , TCP, S/S, Ti and allied materials for Dental/ Orthopedic Application Dr. Md. Abdur Gafur, PSO (PL) Dr. Md. Amzad Hossain, BSMMU Dr. Md. Mozammel Hossain, BSMMU Dr. Gazi Shamim Hassan, BSMMU Aninada Nafis Ahmed, SE, PP&PDC Md. Rakibul Qadir, Engineer, PP&PDC, BCSIR Md. Arifur Rahman Khan, PP&PDC, BCSIR Dipa islam, SSO, IFST, BCSIR Sattajit Roy, SO, Dhaka Labs, BCSIR
154	PP&PDC	Design and fabrication of Vicat Softening Temperature, Cantilever Softening Temperature and Heat Distortion Temperature Measuring device Sajib Aninda Dhar, Engineer (PL) Dr. Abdul Gafur, PSO Aninda Nafis Ahmed, Senior Engineer Md. Rakibul Qadir, Senior Engineer Md. Arifur Rahman Khan, Engineer
155	PP&PDC	Design and fabrication of Melt Flow Indexer or Extrusion Plastometer Md. Arifur Rahman Khan, Engineer (PL) Dr. Abdul Gafur, PSO Aninda Nafis Ahmed, Senior Engineer Rakibul Qadir, Senior Engineer Sajib Aninda Dhar, Engineer
156	PP& PDC	Design Development and pilot plant study of falling film evaporator Sarker Kamruzzaman, PSO, (PL) Dr. Toufiq Ahmed, Senior Engineer Nahid Jahan, Senior Engineer Rajot suvro Chakroborty, Engineer Md. Faruk Hossain, Engineer

Sl. No.	Lab Name	Project Title and Name of Project Leader
157	PP&PDC	Pilot plant study for the utilization of extraction active components from <i>Gynura procumbens</i> and <i>Stevia</i> Farhana Nurjahan Ahmed, Senior Engineer Dr. Mohammad Mostafa, PSO, INARS Nahid Jahan, Senior Engineer Md. Robiul Alam, Engineer Md. Forhad Hossain, Engineer Rajat Suvra Chakrovorty, Engineer Satyajit Roy, SO (BCSIR labs, Dhaka)
158	PP&PDC	Design and Development of a coolant monitoring unit and analyze its effect on CNC machine tools performance Muhammad Ali Zinnah, Senior Engineer (PL) Farhana N Ahmed, Sr. Engineer Rajot Suvro Chakrovorty, Engineer Md. Forhad Hossain, Engineer Md. Faruk Hossain, Engineer
159	IGCRT	Application of response surface methodology for the optimization of mix design concrete using locally available raw materials 1. Dr. Umme Sarmeen Akhtar, SSO (PL) 2. Dr. Md. Anwar Hossain, PSO, Dhaka Lab 3. Md. Sagirul Islam, SSO
160	IGCRT	Synthesis of nano crystallite biomaterial and natural polymer based nano composite for treatment of textile effluent Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Md. Sahadat Hossain, SO (PL) 2. Dr. Samina Ahmed, CSO 3. Monika Mahmud, SO 4. Mashrafi bin Mobarak, SO 5. Dr. Md. Humayun Kabir, SSO, INARS
161	IGCRT	Synthesis of calcium based compounds from waste materials for industrial application 1. Md. Sahadat Hossain, SO (PL) 2. Dr. Samina Ahmed, CSO 3. Dr. Shirin Akter Jahan, PSO 4. Monika Mahmud, SO 5. Mashrafi bin Mobarak, SO
162	IGCRT	Application of hydroxyapatite for control release drug delivery 1. Mashrafi Bin Mobarak, SO (PL) 2. Dr. Samina Ahmed, CSO 3. Md. Sahadat Hossain, SO 4. Monika Mahmud, SO 5. Dr. Md. Humayun Kabir, SSO, INARS
163	IGCRT	Development of geopolymer concrete blocks using locally available solid wastes 1. Md. Sagirul Islam, SSO (PL) 2. Nahid Sharmin, CSO 3. Dr. Umme Sarmeen Akhtar, SSO 4. Mohammad Golam Mostafa, SO
164	IGCRT	Extraction of alumina (Al_2O_3) from coal fly ash (CFA) generated from coal based thermal power plants in Bangladesh 1. Md. Hasanuzzaman, SO (PL) 2. Nahid Sharmin, CSO 3. Md. Saiful Quddus, SSO 4. Mandira Saha, SO 5. Monika Mahmud, SO
165	IGCRT	Removal of toxic elements from textile effluent by developing ceramic based membrane filter 1. Nigar Sultana Pinky, SO (PL) 2. Dr. Sonjida Mustafi, PSO 3. Rexona Khanom, SO

Sl. No.	Lab Name	Project Title and Name of Project Leader
166	IGCRT	Production of Zeolite based composite material for carbon dioxide scavenger 1. Dr. Umme Sarmeen Akhtar, SSO (PL) 2. Nahid Sharmin, CSO (Director-in-charge) 3. Dr. Shirin Aktar Jahan, PSO 4. Md. Sagirul Islam, SSO 5. Juliya Khanam, SSO 6. Md. Saiful Quddus, SSO 7. Md. Golam Mostofa, SO 8. Md. Sahadat Hossain, SO
167	IGCRT	Development of nano crystallized glass using coal ash 1. Md. Saiful Quddus, SSO(PL) 2. Nahid Sharmin, CSO 3. Dr. Abdul Gafur, PSO IFRD 4. Dr. Sonjida Mustafi, PSO 5. Muhammad Shahriar Bashir, PSO, IFRD 6. Dr. Umme Sarmeen Akhtar, SSO 7. Mandira Saha, SO 8. Md. Hasanuzzaman, SO
168	IGCRT	Synthesis of magnetite based nano composite adsorbent for the treatment of organic dye contaminated textile waste water 1. Juliya Khanam, SSO (PL) 2. Nahid Sharmin, CSO 3. Dr. Shirin Aktar Jahan, PSO 4. Dr. Umme Sarmeen Akhtar, SSO 5. Md. Hasanuzzaman, SO 6. Mashrafi Bin Mobarak, SO 7. Bristy Biswas, SO
169	IGCRT	Production of silica refractory brick from river sand 1. Md. Sagirul Islam, SSO (PL) 2. Nahid Sharmin, CSO 3. Dr. Umme Sarmeen Akhtar, SSO 4. Mohammad Golam Mostafa, SO 5. Md. Shahadat Hossain, SO
170	IGCRT	Preparation of bio-char from waste materials for portable ceramic water filter 1. Dr. Sonjida Mustafi, PSO (PL) 2. Rexona Khanom, SO 3. Md. Mahfujul Hasan, SO 4. Nigar Sultana Pinky, SO
171	IGCRT	Development of bioceramic-polymer composite reinforced with graphene for treatment of tannery effluent 1. Monika Mahmud, SO (PL) 2. Dr. Samina Ahmed (CSO, Dhaka Lab) 3. Dr. Shirin Akter Jahan (PSO) 4. Dr. Md. Humayun Kabir (SSO, INARS) 5. Md. Sahadat Hossain (SO) 6. Mashrafi Bin Mobarak (SO)
172	IGCRT	Development of light weight ceramic tiles from waste plastic materials of Bangladesh 1. Dr. Sonjida Mustafi, PSO(PL) 2. Rexona Khanom, SO 3. Md. Mahfujul Hasan, SO 4. Nigar Sultana Pinky, SO
173	IGCRT	Improvement of a process for chemical admixture used for concrete and cement industries 1. Dr. Umme Sarmeen Akhtar, SSO (PL) 2. Md. Sagirul Islam, SSO 3. Juliya Khanom, SSO 4. Khondoker Shahin Ahmed, SO (Dhaka Lab.) 5. Mohammad Golam Mostafa, SO 6. Md. Saiful Quddus, SSO

Sl. No.	Lab Name	Project Title and Name of Project Leader
174	IGCRT	Synthesis, characterization and functionalization of nano Cobalt Ferrite (CoFe ₂ O ₄) 1. Md. Farid Ahmed, SO (PL) 2. Nahid Sharmin, CSO 3. Md. Lutfor Rahman, SSO 4. Dr. Md. Murshed Hasan Sarker, SSO 5. Bristy Biswas, RC
175	IGCRT	Synthesis of expanding agent for bricks and aggregates 1. Dr. Umme Sarmeen Akhtar, SSO(PL) 2. Md. Sagirul Islam, SSO 3. Md. Saiful Quddus, SSO 4. Mohammad Golam Mostafa, SO 5. Md. Shahadaat Hossain, SO
176	IGCRT	Development of ceramic based nano spinel materials for humidity sensor Md. Lutfor Rahman, SO (PL) Bristy Biswas, RC Md. Farid Ahmed, SO Nahid Sharmin, CSO & Director
177	IGCRT	Production of liquid ink (Blue, Magenta, Yellow, Black) for ceramic industries Nahid Sharmin, CSO & Director (PL) Shirin Akter, PSO Md. Lutfor Rahman, SSO Sabrina Mostofa, SSO Md. Farid Ahmed, SO Md. Ashraful Alam, SO Bristy Biswas, SO
178	IGCRT	Synthesis of biomaterials in granular and paste form for orthopaedic and dental application Md. Mahfujul Hasan, SO (PL) Md. Sahadat Hossain, SO Monika Mahmud, SO Dr. Samina Ahmed, CSO & Director (Dhaka Labs)
179	IGCRT	Development of antimicrobial coating for ceramic tiles Dr. Shirin Akter Jahan, SSO (PL) Nahid Sharmin, PSO Sabrina Mostofa, SO Md. Ashraful Alam, SO Mandira Saha, SO (BCSIR Labs, Rajshahi) Dr. Sahana Parveen, CSO (IFST)
180	LRI	Synthesis of antifungal fat liquor from locally available biological sources for leather processing 1. Md. Abdur Razzaq, SO (PL) 2. Dr. Md. Tushar Uddin, SSO 3. Murshid Jaman Chowdhury, SO 4. Dr. Sahana Parveen, CSO
181	LRI	Preparation of adhesive from raw trimmings of hides and skins 1. Md. Abul Kashem Azad, PSO (PL) 2. Md. Nur-E-Alam, SSO 3. Kanish Fatema, SSO 4. Shimul Chakma, SO 5. Nasifa Akter, RC
182	LRI	Development of a new tanning agent for leather processing from banana pseudo stem 1. Dr. Madhu Sudan Saha, PSO (PL) 2. Murshid Jaman Chowdhury, SSO 3. Dr. Md. Tushar Uddin, SSO 4. Md. Abdur Razzaq, SO
183	LRI	Natural dye extraction from stem bark of <i>Trema orientalis</i> (L.) for dyeing of leather 1. Murshid Jaman Chowdhury, SSO (PL) 2. Dr. Md. Tushar Uddin, SSO 3. Md. Abdur Razzaq, SO 4. Dr. Sahana Parveen, CSO

Sl. No.	Lab Name	Project Title and Name of Project Leader
184	LRI	Shaving dust and tannery sludge as adsorbent for the treatment of tannery wastewater 1. Kanish Fatama, SSO (PL) 2. Md. Abul Kashem Azad, PSO 3. Md. Nur-E-Alam, SSO 4. Shimul Chakma, SO 5. Nasifa Akter, RC
185	LRI	Extraction of chromium from tannery waste 1. Dr. Md. Tushar Uddin, SSO (PL) 2. Dr. Madhu Sudan Saha, PSO 3. Murshid Jaman Chowdhury, SSO 4. Md. Abdur Razzaq, SO 5. Pradip Kumar Biswas, PSO (IMMM) 6. Md. Shams Shahriar, SO (IMMM)
186	LRI	Utilization of natural extracts from used tea leaves for leather dyeing Md. Riad Hossain Sabuj, SO (PL) Dr. Madhu Sudan Saha, PSO Dr. Md. Tushar Uddin, SSO Murshid Jaman Chowdhury, SSO Md. Abdur Razzak, SO
187	LRI	Manufacturing of Leather Products from Skin of Broiler Chicken Leg Kanish Fatema, SSO (PL) Dr. Madhu Sudan Saha, PSO Md. AbulKashem Azad, PSO Md. Nur-E-Alam, SSO Shimul Chakma, SO
188	LRI	Improvement of cleaner Technology by producing wet-white leather in beam house operation Md. Abul Kashem Azad, PSO (PL) Dr. Madhu Sudan Saha, PSO Dr. Md. Tushar Uddin, SSO Murshid Jaman Chowdhury, SSO Kanish Fatama, SSO Md. Abdur Razzaq, SO
189	LRI	Development of footwear design for pregnant women based on Ergonomics Kanish Fatema, SSO (PL) Md. Abul kashem Azad, PSO Md. Nur-E-Alam, SSO Shimul Chakma, SO Nasifa Akter, RC
190	LRI	Development of natural dye from cutch for leather processing Md. Abul Kashem Azad, SO (PL) Md. Nur-E-Alam, SO Dr. Neelima Afroz Molla, SO Dr. Md. Anwar Arfien Khan, PSO
191	IMMM	Characterization of Madhupur and Barind clay to infer its potentiality for local ceramic industries 1. Md. Shams Shahriar, SO (PL) 2. Md. Sha Alam, SO 3. Dr. Pradip Kumar Biswas, PSO 4. Md. Shohel Rana, SO 5. Mst. Shanjida Sultana, SSO
192	IMMM	Characterization and beneficiation of Brahmaputra sand for foundry application 1. Md. Shohel Rana, SO (PL) 2. Md. Sha Alam, SO 3. Dr. Pradip Kumar Biswas, PSO 4. Md. Shams Shahriar, SO 5. Md. Imam Sohel Hossain, SO

Sl. No.	Lab Name	Project Title and Name of Project Leader
193	IMMM	Pilot plant study for separation of heavy mineral from the Padma river sand 1. Dr. Pradip Kumar Biswas, PSO (PL) 2. Md. Sha Alam, SO 3. Md. Shams Shahriar, SO 4. Md. Shohel Rana, SO 5. Dr. Mohammad Nazim Zaman, CSO
194	IMMM	3D subsurface model generation in Barapukuria coal mine area 1. Md. Imam Sohel Hossain, SO (PL) 2. Pradip Kumar Biswas, PSO 3. Md. Sha Alam, SO 4. Dr. A.S.M Woobaidullah, Professor, DU
195	IMMM	Preparation of TiO ₂ -SiO ₂ based coating for construction materials Md. Sha Alam, SO (PL) Md. Shams Shahriar, SO Md. Shohel Rana, SO Pradip Kumar Biswas, PSO Dr. Mohammad Nazim Zaman, CSO
196	INARS	Adsorption of Bisphenol-A (BPA) from waste water by carbon nanomaterials Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Dr. Md. Humayun Kabir, SSO (PL) 2. Dr. Sabina Yasmin, SSO 3. Shamim Ahmed, PSO 4. Muhammad Abdullah Al-Mansur, PSO 5. Md. Mahbubur Rahman, SSO, Dhaka Labs 6. Dr. Mohammad Moniruzzaman, PSO, Dhaka Labs
197	INARS	Adsorptive removal of antibiotics residue from waste water using graphite electrodes of used dry cell battery Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. Dr. Sabina Yasmin, SSO (PL) 2. Shamim Ahmed, PSO 3. Muhammad Abdullah Al-Mansur, PSO 4. Tajnin Jahan, SO 5. Dr. Md. Humayun Kabir, SSO 6. Dr. Md. Salim Khan, CSO
198	INARS	Preparation of carbon aerogel from waste paper for the removal of organic pollutants from wastewater 1. Aynun Nahar, SO (PL) 2. Shamim Ahmed, PSO 3. Md. Ahedul Akbor, SSO 4. Md. Abu Bakar Siddique, SSO 5. Mehedi Hasan, SO
199	INARS	Development of a desalination technology of saline water for coastal areas of Bangladesh Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman 1. A. H. M. Shofiul Islam Molla Jamal, SSO (PL) 2. Shamim Ahmed, PSO 3. Sumon Chandra Debnath, SSO, PP&PDC 4. Md. Forhad Hossain, SE, PP&PDC 5. Tajnin Jahan, SSO 6. Dr. Md. Humayun Kabir, SSO 7. Mehedi Hasan, SO 8. Md. Ripaj Uddin, SO
200	INARS	Analysis of priority pollutants loads in the Buriganga river of Bangladesh and their remediation using graphene-based adsorbents 1. Md. Ahedul Akbor, SSO (PL) 2. Md. Abu Bakar Siddique, SSO 3. Aynun Nahar, SO 4. Mehedi Hasan, SO 5. Shahnaz Sultana, SO

Sl. No.	Lab Name	Project Title and Name of Project Leader
201	INARS	Evaluation of the level of toxic elements in water, soil and plants and their impacts on human health and environment 1. Md. Abu Bakar Siddique, SSO (PL) 2. Md. Ahedul Akbor, SSO 3. Aynun Nahar, SO 4. Mehedi Hasan, SO 5. Tajnin Jahan, SO 6. Rokaia Sultana, SO 7. A. H. M. Shofiul Islam Molla Jamal, SO
202	INARS	Development of a purification technology of harvested rainwater using solar energy 1. A.H.M. Shofiul Islam Molla Jamal, SO (PL) 2. Shamim Ahmed, PSO 3. Md. Ahedul Akbor, SSO 4. Dr. Samia Tabassum, SSO, IFRD 5. Md. Abu Bakar Siddique, SSO 6. Sumon Chandra Debnath, SO, IFRD 7. Rokaia Sultana, SO
203	INARS	Isolation of potential microorganisms for the production of bio-surfactant and its applications 1. Rokaia Sultana, SO (PL) 2. Mohammad Abdullah Al-Mansur, PSO 3. Shahnaz Sultana, SO 4. Aynun Nahar, SO 5. A.H.M Shofiul Islam Molla Jamal, SO
204	INARS	Isolation of potential microorganisms from agricultural soil for the biodegradation of pesticides for sustainable ecosystem 1. Shahnaz Sultana, SO (PL) 2. Md. Ahedul Akbor, SSO 3. Rokaia Sultana, SO 4. Aynun Nahar, SO 5. Mehedi Hasan, SO 6. Tajnin Jahan, SO 7. Md. Abu Bakar Siddique, SSO
205	INARS	Development of an easy and cheap method for analyzing antibiotics residue in milk Dr. Md. Humayun Kabir, SSO (PL) Dr. Sabina Yasmin, SO Shamim Ahmed, SSO Md. Abdullah-Al-Monsur, SSO Shakila Akter, SSO A.H.M. Shofiul Islam Molla Jamal, SO
206	INARS	Development of nano-adsorbents to remove heavy metals from battery and tannery effluents Dr. Sabina Yasmin, SSO (PL) Dr. Md. Humayun Kabir, SSO Md. Ahedul Akbor, SSO Md. Abu Bakar Siddique, SO Aynun Nahar, SO
207	INARS	Developing a cost effective process for desalination of costal river water Md. Repaj Uddin, SO (PL) Md. Aminul Ahsan, PSO Shamim Ahmed, SSO Abdullah Al Mansur, SSO Sabina Yeasmin, SO Md. Abu Bakar Siddik, SO
208	INARS	Determination of zero discharge of hazardous chemicals in the effluents around Dhaka city 1. Md. Ahedul Akbor, SSO (PL) 2. Md. Abu Bakar Siddique, SSO 3. Aynun Nahar, SO 4. Mehedi Hasan, SO 5. Shamim Ahmed, PSO 6. A. H. M. Shofiul Islam Molla Jamal, SO

Sl. No.	Lab Name	Project Title and Name of Project Leader
209	BTRI	Investigation of nephroprotective activity of traditionally used <i>Piper</i> spp. on animal model 1. Samina Yesmin, SO (PL) 2. Nusrat Jahan, SO 3. Chadni Lyzu, SSO 4. Dr. Dipa Islam, SSO
210	BTRI	Epidemiology and molecular diagnosis of <i>Echinococcus granulosus</i> (cystic echinococcosis) in livestock in Bangladesh 1. Md. Tazinur Rahman, SO (PL) 2. Evena Parvin Lipy, SSO 3. Dr. Dipa Islam, SSO 4. Md. Abdur Rahim, SSO 5. Mustafizur Rahman Naim, SO
211	BTRI	Chewing gum formulation from herbal sources to inhibit dental carries 1. Dabashes Adhikery, SO (PL) 2. Dipankar Chandra Roy, SSO 3. Rehnuma Tasmiah Chowdhury, SO 4. Hajera Akther, SO 5. Dr. Ashish Kumar Sarker, CSO
212	BTRI	Antidiabetic potential of <i>Phyllanthus</i> spp. in nicotinamide and streptozotocin induced rat model 1. Nusrat Jahan, SO (PL) 2. Samina Yeasmin, SO 3. Chadni Lyzu, SSO 4. Dr. Dipa Islam, SSO 5. Amdadul Huque, SSO
213	BTRI	Assessment of toxic substances present in animal feed with specific health implications 1. Hajara Akhter, SO (PL) 2. Fariha Chowdhury, SO 3. Samina Akter, SO 4. Evena Parvin Lipy, SSO 5. Mahmuda Hakim, SSO
214	BTRI	Risk assessment of Aflatoxin B1 in commonly used spices on animal model 1. Mustafizur Rahman Naim, SO (PL) 2. Trisha Paul, SO 3. Dr. Dipa Islam, SSO 4. Tazinur Rahman, SO 5. Mahmuda Hakim, SSO
215	BTRI	Preparation of corn silk Tea and its pharmacological assessment with animal model 1. Md. Kawsar Hossain, SO (PL) 2. Trisha Pal, SO 3. Md. Tajinur Rahman, SO 4. Dr. Md. Anwar Arfien Khan, CSO 5. Dr. Asish Kumar Sarker, CSO
216	BTRI	Development of valuable product (agar, carrageenan & sodium alginate etc.) from available red & brown seaweed in Bay of Bengal Liton chandra Mohanta (SSO, BTRI) (PL) Dipa Islam, SSO Evana parvin Lipy, SSO Umma Fatema shahjadee (PSO, IFST) Dr. Md Anwar Arfien Khan (CSO, BTRI) Dr. Ashish Kumer sarker (CSO, Director in-charge, BTRI) Abu Sayeed Muhammad Sharif, SSO, BORI
217	BTRI	Utilization of genetic authentication methods for different food products Dipankar Chandra Roy, SSO (PL) Dipa Islam, SSO Liton Chandra Mohanta, SSO Chadni Lyzu, SO Samina Akhter, SO Dr. Ashish Kumar Sarkar, CSO

Sl. No.	Lab Name	Project Title and Name of Project Leader
218	BTRI	Assessment of organophosphorous pesticide residues present in the locally available fruit and vegetables Dr. Md. Anwar Arfien Khan, CSO (PL)
219	BTRI	Development of low-cost adsorbent using agricultural waste for the removal of heavy metals Mahmuda Hakim, SSO (PL) Dr. Ashish Kumar Sarkar, CSO Dr. Md. Anwar Arfien Khan, CSO Dipa Islam, SSO Liton Chandra Mohanta, SSO Samina Akhter, SO
220	BTRI	Effects of Bioactive Compounds isolated from four different medicinal plants Chadni Lyzu, SO (PL) Dipa Islam, SSO Dipankar Chandra Roy, SO Iffat Jahan, SO Mahmuda Hakim, SO Abhijit Chowdhury, SSO
221	ITTI	Comparative study on quality of different dry fish produced under heat pump drier and traditional sun drying Md. Rezaul Karim, PSO (PL) Dr. Md. Rakibul Hasan, SSO S.M Rashadul Islam, SO Zahidul Islam, SO
222	ITTI	Fish pathogen identification in commercial indoor fish farms Md. Rezaul Karim, PSO (PL) Dr. Md. Rakibul Hasan, SSO Debabrata Karmakar, SO Md. Saddam Hossain, SO Yeamin Farabi Chowdhury, SO
223	ITTI	Development of mycelium block to reduce polystyrene waste Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman Debabrata Karmakar, SO (PL) Md. Rezaul Karim, PSO Dr. Rakibul Hasan, SSO Nishat Tasnim, SO Md. Saddam Hossain, SO
224	ITTI	Effect of culture media on the growth and nutritional composition of chlorella sp. cultured in photo-bioreactor Project Advisor: Professor Dr. Md. Aftab Ali Shaikh, Chairman Nishat Tasnim, SO (PL) Md. Rezaul Karim, PSO Dr. Md. Rakibul Hasan, SSO Md. Saddam Hossain, SO Debabrata Karmakar, SO
225	ITTI	Hydroponics technology: Establishment of a scalable protocol to identify nutrition management for cultivating leafy vegetables Nishat Tasnim, SO (PL) Md. Rezaul Karim, PSO Dr. Md. Rakibul Hasan, SSO Debabrata Karmakar, SO
226	ITTI	Nutritional suitability of different indigenous live fish feed organisms for larval feeding 1. Dr. Md. Rakibul Hasan, SSO (PL) 2. Md. Rezaul Karim, PSO 3. Debabrata Karmakar, SO 4. Nishat Tasnim, SO 5. Md. Saddam Hossain, SO
227	ITTI	Isolation of nitrogen fixing bacteria and verify its potentiality as biofertilizer Md. Saddam Hossain, SO (PL) Md. Rezaul Karim, PSO Dr. Md. Rakibul Hasan, SSO Nishat Tasnim, SO Debabrata Karmakar, SO

Sl. No.	Lab Name	Project Title and Name of Project Leader
228	ITTI	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) Md. Alamgir Kabir, SSO, IFST Sharmin Akter Lisa, SO, IFST Md. Motaleb, SO, IFST
229	ITTI	Design and development of mosquito tarp using natural disease borne lure Rezaul Karim, PSO (PL) Rakibul Hasan, SSO Debabrata Karmakar, SO Yead Morshed Nibir, SO Dip Bhowmik, SO