

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়
অধিশাখা-১২
বাংলাদেশ সচিবালয়, ঢাকা
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নম্বর: ৩৯.০০.০০০০.০১২.০২.০০৯.২৩.১৫৯

তারিখ: ২৪ আশ্বিন ১৪৩০
০৯ সেপ্টেম্বর ২০২৩

প্রাপক: চিফ একাউন্টস এন্ড ফিন্যান্স অফিসার
বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়
হিসাব ভবন, সেগুনবাগিচা, ঢাকা।

মহোদয়,

নির্দেশিত হয়ে ২০২৩-২০২৪ অর্থবছরে বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়ের প্রযুক্তি উদ্ভাবন, গবেষণা ও উন্নয়নমূলক (R&D) প্রকল্পসমূহের মধ্যে 'এগ্রিকালচার এন্ড এনভায়রনমেন্ট' গ্রুপে ১৭৩টি প্রকল্পের অনুকূলে ০১ কোটি ৪৫ লক্ষ, ৪০ হাজার টাকা, 'জীববিদ্যা, চিকিৎসাবিদ্যা ও পুষ্টিবিদ্যা' গ্রুপে ৯৬টি প্রকল্পের অনুকূলে ৯২ লক্ষ টাকা, 'এপ্লাইড সায়েন্স এন্ড ইঞ্জিনিয়ারিং' গ্রুপে ৩৬টি প্রকল্পের অনুকূলে ৩২ লক্ষ টাকা এবং 'ফিজিক্যাল সায়েন্স' গ্রুপে ২৩টি প্রকল্পের অনুকূলে ২২ লক্ষ টাকাসহ সর্বমোট ৩২৮টি প্রকল্পের অনুকূলে ২ কোটি ৯১ লক্ষ ৪০ হাজার টাকা নিম্নোক্ত তালিকার প্রত্যেক নামের পাশে উল্লিখিত পরিমাণ অর্থ অনুদান হিসেবে প্রদানের জন্য সরকারি মঞ্জুরি জ্ঞাপন করছি।

R & D 2023-2024 (Agriculture and Environment Group)

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
1	3	Md. Rezwana Sarker	Asst. Prof, Dept.of Horticulture, SAU	SAU	Improvement of quality and shelf life of strawberries with edible coatings and hot water treatment.	80,000/-
2	4	Md. Hamidur Rahman	Lecturer, Dept.of Aquaculture, KAU	KAU	Production of spirulina (Spirulina platensis) using egg shell powder replacing sodium bi-carbonate as a low cost culture media for microalgae.	80,000/-
3	7	Md. Khairul Mazed	Assistant Prof, Dept.of Entomology, BSMRAU	BSMRAU	Assessment of the Optimal Frequency of Insecticide Sprays and Monitoring of Insecticide Resistance of Fall Armyworm in Maize.	80,000/-
4	8	Sanzib Kumar Barman	Lecturer, Dept.of Fishery & Management, KAU	KAU	Population dynamics of spotted scat fish Scatophagus argus (Linnaeus, 1766) from the Southwest coastal waters of Bangladesh: implications for sustainable management.	80,000/-
5	9	Dr. Shamin Zaman Emon	Centre for Advanced Research in Sciences, University of Dhaka, Dhaka-1000	DU	Effectiveness of non-chlorine sanitizers to improve the microbial hygiene of wet market poultry slaughterhouses and processing environment.	80,000/-
6	12	Md. Golam Azam	Senior Scientific Officer, Pulses Research Centre, Bangladesh Agricultural Research Institute (BARI), Ishurdi, Pabna	BSMRAU	DNA Fingerprinting and Genetic Diversity Analysis in Sonamung (<i>Vigna radiata</i> L. Wilczek) Germplasm using Molecular Marker Techniques in Bangladesh.	1,00,000/-
7	15	Bhaskar Chandra Majumdar	Lecturer, Dept.of Oceanography, KAU	KAU	Effect of Chitosan Concentration on Nutritional, Microbial Quality and Shelf Life of Frozen Hilsa (<i>Tenualosa ilisha</i>).	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
8	17	Dr. Md. Asaduzzaman Lovelu	Lecturer, Dept. of Livestock Production & Management, KAU	KAU	Prevalence and risk factors for tick infestation and blood parasitic diseases in cattle at Daulatpur Thana of Khulna District.	80,000/-
9	20	Fariha Farzana	Lecturer, Dept. of Environmental Science and Technology, JUST	JUST	Assessment of possible health risk, sediment nutrition status, water quality index, heavy metal contamination and bioconcentration factor of mud crab (<i>Scylla Serrata</i>) from Gabura Union of Satkhira district in Bangladesh.	80,000/-
10	21	Fatema Tuz Jubya	Lecturer, Dept. of Microbiology, JU	JU	Antimicrobial peptides production from <i>Bacillus</i> species isolated from rhizosphere soil samples in Dhaka, Bangladesh.	80,000/-
11	24	Babli Akter	Lecturer, Dept. of Aquaculture, KAU	KAU	Comparative study on freshwater prawn (<i>Macrobrachium rosenbergii</i>) farming using hatchery produced and nature captured post larvae (PL) in Bangladesh.	80,000/-
12	25	Dr. Md Anisuzzaman	Prof. Dept. of Fisheries & Marine Science, NSTU	NSTU	Occurrence, spatial distribution and risk assessment of microplastics in black tiger shrimp (<i>P.monodon</i>) from the central coast of Bangladesh.	80,000/-
13	26	Rabeya Akter	Lecturer, Dept. of Fishery Biology and Genetics, KAU	KAU	Acute effects of antibiotics on vital organ histomorphology and brain acetylcholinesterase activity in penaeid shrimp (<i>Penaeus monodon</i>) in southwest region of Bangladesh.	1,00,000/-
14	32	Md. Aliar Rahman	Lecturer, Dept. of Animal Nutrition, BAU	BAU	In-vitro study: Response of saponin rich herbs on organic matter digestibility, methanogenic archaea and enteric methane gas production.	80,000/-
15	33	M. A. Mamun Siddiquee	Lecturer, Dept. of Fisheries Management, BAU	BAU	Environmental Monitoring of Microplastics Pollution in Khiru River.	80,000/-
16	34	Anika Reza	Lecturer, Dept. of Natural Resource and Conservation, BSMRAU	BSMRAU	Carbon sequestration potential of aonla based multistoried system to mitigate global warming.	80,000/-
17	35	Dr. Umme Kaniz Fatema	Assistant Prof. Dept. of Aquaculture, BSMRAU	BSMRAU	Effects of Moringa Meal as Dietary Replacement of Soybean Meal on Growth Performance, Feed Utilization, Hematology and Immunology of Gulsha (<i>Mystus cavasius</i>)	80,000/-
18	37	Dr. Muhammad Ashiqul Alam	Asst. Prof, Dept. of Microbiology & Public Health, KAU	KAU	Isolation, Identification and antibiotic resistant pattern of <i>Campylobacter jejuni</i> from livestock samples in Khulna city, Bangladesh.	1,00,000/-
19	39	M. Sohidullah	Asst. Prof, Dept. of Microbiology & Public Health, KAU	KAU	Detection of antimicrobial resistance profile and resistance genes of <i>Vibrio</i> spp. and <i>Aeromonas hydrophila</i> isolated from giant freshwater prawn, <i>Macrobrachium rosenbergii</i> .	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
20	40	Md. Aminul Islam	Asst. Prof, Dept. of Disaster Management, BRUR	BRUR	Assessment of Flood and Riverbank Erosion induced Livelihood Vulnerability by using IPCC index and SMAUG Model: A study on Bhotemari and Tushbhandar Char areas people at Kaliganj Upazila in Lalmonirhat District of Bangladesh.	80,000/-
21	41	Jannatul Ferdous Tanni	Asst. Prof, Dept. of Plant Pathology, SAU	SAU	DNA barcoding of macrofungi collected from different locations of Dhaka city.	80,000/-
22	42	Mubasshir Ahmed	Scientific Officer, Crop Management Department Agrenomy Division, Bangladesh Jute Research Institute.	Bangladesh Jute Research Institute.	Assessment of Yield and Yield Attributes of Bjri pat shak-1 Grown in the winter season.	80,000/-
23	45	Farhabun Binte Farhad	Lecturer, Dept. of Aquaculture, BAU	BAU	Effect of papaya (<i>Corica papaya</i>) leaf meal as a growth promoter of pabda (<i>Ompokpabda</i>) rearing in hapasystem.	80,000/-
24	48	Debasish Pandit	Lecturer, Dept. of Oceanography, KAU	KAU	Drivers affecting fish diversity in the coastal waters of the Sundarbans in Bangladesh.	80,000/-
25	50	Manobendra Nath Sarkar	Scientific Officer, Regional Agricultural Research Station, Burirhat, Rangpur	BARI, Burirhat, Rangpur	Increasing Onion Production Through Optimization of Seed Rate of Black Cumin and Coriander as Companion Crops at Charland Area of Rangpur.	80,000/-
26	51	Meer Rifath Jahan Usha	Lecturer, Dept. of Horticulture, KAU	KAU	Vase life analysis of different cut flowers using different vase solutions.	80,000/-
27	52	Md. Farid Ahammed Anik	Scientific Officer, Dept. of Soil Science Division, BARI, Gazipur	BARI, Gazipur	Biological Control of Foot and Root Diseases in Grasspea by Double Inoculation with <i>Rhizobium</i> and Mycorrhizal Fungi.	80,000/-
28	55	Tusar Kanti Roy	Lecturer, Dept. of Agricultural Chemistry, KAU	KAU	Presence of heavy metals in aman rice of south western region of Bangladesh: A Potential health risk assessment.	80,000/-
29	61	Dr. Md. Gausur Rahman	Lecturer, Dept. of Pathology and Parasitology, Faculty of Veterinary and Animal Science, HSTU	HSTU	Prevalence, associated risk factors and pathological study of gastrointestinal parasites of sonali chicken at Dinajpur district.	80,000/-
30	63	Papia Khatun	Asst. Prof. Dept. of Anatomy & Histology	KAU	Counteracting effect of Amla (<i>Phyllanthus emblica</i>) on histopathological alteration of lymphoid organs induced by acetaminophen in adult Swiss albino mice.	80,000/-
31	65	Keya Akter	Asst. Prof, Dept. of Crop Botany, KAU	KAU	An assessment of morph-physiological, biochemical and antioxidant response of Tomato (<i>Solanum lycopersicum</i>) under combined salinity and waterlogging stress.	80,000/-
32	66	Makidul Islam Khan	Lecturer, Dept. of Fisheries & Marine Bioscience, BSMRSTU	BSMRSTU	Climatic hazards induced economic and non-economic loss and damage management in coastal areas of Bangladesh.	80,000/-

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33	67	Dr. Neaz Al Hasan	Lecturer, Dept. of Fisheries and marine Bioscience, BSMRSTU	BSMRSTU	Increasing use of pharmaceuticals and climate change repercussions antimicrobial resistance to shrimp industry of Bangladesh.	80,000/-
34	70	Fatema Jahan	Lecturer, Dept. of Aquaculture, KAU	KAU	Effects of commercially used external-label drugs on the aquatic environment and Shrimp health.	80,000/-
35	71	Sayed Mashequl Bari	Asst.Prof, Dept. of Aquatic Animal Health Management, SAU	SAU	Morphological and Molecular Identification of Cestode Parasites Collected from Commercial Cultured Fish Magur (<i>Clarias batrachus</i>)	80,000/-
36	78	Md. Mukul Mia	SSO, Breeding Division, BJRI	BJRI	Assessment of Mutagenic Sensitivity, Lethal Dose (LD ₅₀) of Ethyl Methane Sulphonate (EMS) in Jute (<i>Corchorus spp.</i>) Crops and Evaluation of Mutant Lines for Yield.	80,000/-
37	84	Tamanna Tabassum	Lecturer, Dept. of Aquaculture, BAU	BAU	Efficacy of probiotic applications on rearing water quality, growth performance, hematology and gut bacteriology of Thai silver barb (<i>Barbonymus gonionotus</i>)	80,000/-
38	85	Nazneen Islam Nishat	Asst. Prof. Dept. of Agricultural Economics, BAU	BAU	Comparative Profitability Analysis of Conventional and Organic Vegetable Farming in some selected areas of Tangail district, Bangladesh.	80,000/-
39	86	Md. Arifur Rahman	Lecturer, Dept. of Agricultural Chemistry, BAU	BAU	Heavy metal contamination in soil and vegetables in Sirajganj District, Bangladesh as polluted by untreated disposal of loom-day effluent: a preliminary study for risk assessment.	80,000/-
40	87	S. M. Shahriar	Lecturer, Dept. of Agribusiness and Marketing, BAU	BAU	Impact of Price Hike in the World Wheat Market on the Productivity of Small and Medium-Scale Bakery Firms in Bangladesh: A Comparative Study.	80,000/-
41	93	Sheikh Shorif Uddin Ahmed	Senior Scientific Officer, BJRI, Dhaka	BJRI	Genetic improvement of jute through biotechnological approaches.	80,000/-
42	94	Dr. Md. Harun-or-Rashid	Senior Scientific Officer, BJRI, Dhaka	BJRI	Biochemical Analysis of Kenaf and Mesta Seed Oil.	80,000/-
43	98	Shanzida Islam	Scientific Officer, Zoology Section, Biological Research Division, BCSIR, Dhaka.	BCSIR, Dhaka	Comparative analysis of microplastic in some commercially important dry fishes in Bangladesh.	1,00,000/-
44	99	Md. Sahadat Hossain	Scientific Officer, Dept. of Glass Research Division, IGCRT, BCSIR	BCSIR, Dhaka	Enhancement of photo-catalytic activity of nano-hydroxyapatite for the degradation of antibiotics in wastewater.	1,00,000/-
45	102	Sharmin Jahan Shathi	Lecturer, Dept. of Animal Breeding and Genetics, BAU	BAU	Evaluation of Sheep ovaries and follicles by histological study intended for <i>in vitro</i> production of embryos.	80,000/-
46	103	Md. Abu Sayid Mia	Researcher, Renewable Energy Research Center, DU	DU	Development and Application of Lipase Enzyme for the Enhancement of Biogas Generation in the Co-Digestion of Tannery Solid Wastes.	1,00,000/-

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47	105	Mst. Mahomudha Akhtar	Lecturer, Dept. of Animal Breeding and Genetics, BAU	BAU	Effect of Exogenous Lactoferrin on Characteristics of Frozen-Thawed Sperm of Black Bengal Buck.	80,000/-
48	107	Md. Hosen Ali	Lecturer, Dept. of Plant Pathology, BAU	BAU	Evaluation of salt tolerant rhizobacteria for controlling of sheath blight of rice and Increasing rice yield in salt stress condition.	1,00,000/-
49	108	Afroza Sultana	Lecturer, Dept. of Agronomy, BAU	BAU	Productivity and Profitability of Wheat-Lentil Intercropping System for Better Weed Control and Increased Land Use Efficiency under Minimum Tillage.	80,000/-
50	109	R. A. Juice	Assistant Prof. Dept. of Agricultural Economics, BAU	BAU	Assessment of Vegetable Seeds Marketing System in Bangladesh: An Empirical evidence from Jashore and Gaibandha Districts.	80,000/-
51	110	Shyama Prosad Moulick	Scientific Officer, Chemical Research Division, BCSIR, Dhaka	BCSIR	Synthesis of nano-crystalline cellulose from waste jute fabrics for treatment of wastewater.	80,000/-
52	111	Md. Zia Uddin Al Mamun	Scientific Officer, Fish Technology Research Section Institute of Food Science & Technology, BCSIR, Dhaka.	BCSIR, Dhaka	Preparation of nano-chitosan from waste prawn shell for removal of antibiotic from wastewater.	80,000/-
53	116	Md. Ripaj Uddin	Scientific Officer, Institute of National Analytical Research & Services, BCSIR, Joypurhat	BCSIR, Joypurhat	Production of Cost Effective Alkaline Mineral Water.	80,000/-
54	117	Md. Tuhinur Rahman	Asst. Prof, Dept. of Surgery & Radiology, BSMRAU	BSMRAU	Clinical assessment of chemo-sterilization through sonographic, endocrinology and histomorphological change in bucks.	80,000/-
55	118	Prianka Howlader	Associate Prof. Dept. of Horticulture	PSTU	Salinity stress Mitigation of Tomato by Application of Chitosan and Organic Manures.	80,000/-
56	119	Sabrina Jahan Rimy	Lecturer, Dept. of Agriculture, City University, Savar, Dhaka	City University, Savar, Dhaka	Lethal and Sublethal Effects of Bifenazate on the Biological Parameters of <i>Tetranychus truncatus</i> Ehara.	80,000/-
57	121	Md. Arif Hosen Saddam	Scientific Officer, Dept. of Bangladesh Sugarcrop Research Institute, Gazipur.	Bangladesh Sugarcrop Research Institute, Gazipur	Effect of nitrogen level and harvesting time on growth, yield and quality of stevia in Bangladesh.	1,00,000/-
58	122	Md. Rabiul Islam	Scientific Officer, Dept. of Bangladesh Sugarcrop Research Institute, Gazipur.	Bangladesh Sugarcrop Research Institute, Gazipur	Identification and Characterization of Important Diseases of Stevia in Bangladesh.	80,000/-

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59	124	Md. Entaduzzaman Jony	Lecturer, Dept. of Food Agroprocess Engineering, BSMRSTU	BSMRSTU	Assessment of food safety knowledge and hygienic practices of workers and microbial quality of meat at slaughterhouses in Gopalganj district, Bangladesh.	80,000/-
60	126	Jannatul Farhouse	Scientific Officer, Dept. of Plant Pathology Division, BINA, BAU Campus.	BINA, BAU Campus.	Biological Control of Rice Blast: A Promising Strategy for Sustainable Agriculture.	80,000/-
61	127	Nipa Rani Paul	Scientific Officer, Dept. of Plant Pathology Division, BINA, BAU Campus.	BINA, BAU Campus.	Detection of aflatoxin in groundnut and its management for enhancing food safety and quality assurance.	80,000/-
62	128	Md. Fakhrul Hasan	Lecturer, Dept. of Agricultural and Applied Statistics, BAU	BAU	Constraints of Rice Production in Southern Region of Bangladesh: Impact of Climatic Related Issues.	80,000/-
63	129	Latifa Akter	Lecturer, Dept. of Anatomy and Histology, BAU	BAU	Biocompatibility of chitosan oligosaccharide (COS) for reducing neonatal calves mortality in Bangladesh.	1,00,000/-
64	130	Md Mesbah Uddin Bhuiyan	Lecturer, Dept. of Oceanography, NSTU	NSTU	Assessment of Microplastics as contaminants in the Island of Saint Martin, Bangladesh-Characteristics, Spatial Distributions, Sources, and Ecological Risks.	80,000/-
65	131	Solama Akter Shanta	Principal Investigator Dept. of Physiology, KAU	KAU	Farmers perceptions and prevalence lameness in milk pocket areas of khulna district.	80,000/-
66	132	Md. Eftakar Jahan Bhuiyan	Lecturer, Dept. of Physiology, BAU	BAU	Evaluating the antioxidative property of synthetic and natural source of Alpha-lipoic acid on reproduction in Chromium intoxicated male mice.	80,000/-
67	134	Md. Nabul Sardar	Scientific Officer, NRCD, INST, AERE, BAEC, Savar, Dhaka	AERE, Savar	Utilization of Radiation Modified Plastic Waste in the Development of Construction materials.	80,000/-
68	137	Md. Mahmudul Hasan, PhD	Assistant Professor, Dept. of Nutrition and Food Technology, JUST	JUST	Evaluation of oxidation capacity of arsenic (III) to arsenic (V) by indigenous arsenic tolerant bacteria.	80,000/-
69	140	Swarup Kumar Kundu	Asst. Prof, Dept. of Anatomy and Histology, KAU	KAU	Histopathological changes of hypertensive kidney in alloxan-induced diabetic mice and its restorative management by <i>spirulina platensis</i> powder.	80,000/-
70	141	Abu Kowser	Research Botanist, BCSIR, Rajshahi Laboratories	BCSIR, Rajshahi	Mycelium-based Biocomposite Production from Basidiomycetes Fungi in Bangladesh.	80,000/-
71	144	Tithe Saha	Lecturer, Dept. of Physiology, KAU	KAU	Comparative Effects of Vitamin D and Sunlight in the Amelioration of High Fat Diet Induced Obesity in Rat.	80,000/-

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72	147	Nahid Hossain	Assist. Prof. Dept. of Soil Science, KAU	KAU	Potential toxic metals in water and sediment of some rivers at the Sundarbans mangrove forest, Bangladesh: A Preliminary evaluation for ecotoxicological status.	80,000/-
73	148	Kaniz Fatema Kanon	Lecturer, Dept. Fisheries and Marine Bioscience, JUST	JUST	Feasible public health risk assessment and heavy metal toxicity in some macrobenthic fauna of the Sundarbans mangrove forest, south west coast of Bangladesh.	80,000/-
74	149	Anusree Biswas	Assist. Prof. Dept. of Fisheries and Marine Bioscience, JUST	JUST	Probabilistic human health risk consequences of toxic metals in popular seafood (shrimp, crab and lobsters) from coastal part of Bangladesh: a case study for food safety.	80,000/-
75	153	Mst. Sabina Alim	Lecturer, Dept. of Farm Power & Machinery, KAU	KAU	Standardization of Spacing for Yield Maximization of Boro Rice (BRRI Dhan47) Through Mechanical Transplanted Rice Seedlings in Khulna, Bangladesh.	80,000/-
76	157	Zannatul Ferdous	Lecturer, Dept. of Physiology, KAU	KAU	Prevalence of antibodies against Newcastle Disease virus in Chickens in Khulna and Bagerhat Districts,	80,000/-
77	158	Sayra Tasnin Sharmy	Lecturer, Dept. of Medicine, BAU	BAU	Hospital based survey on occurrence and management of diseases of dogs and cats at Veterinary Teaching Hospital, Bangladesh Agricultural University, Mymensingh.	80,000/-
78	159	Md. Shadman Sakib Mim	Lecturer, Dept. of Biotechnology, BAU	BAU	Role of aerenchyma cells on enhancement of submergence tolerance in rice.	80,000/-
79	161	Basir Ahammad	Lecturer, Dept. of Oceanography, KAU	KAU	An Investigation on Parasitic infestation of <i>Labeo rohita</i> in the south-western region of Bangladesh.	1,00,000/-
80	164	Shoriful Islam	Assist. Prof. Dept. of Biochemistry and Molecular Biology, KAU	KAU	Asian Journal of Biology, Asian Journal of Research in Animal and Veterinary Sciences, Aquatic Food Studies.	80,000/-
81	165	Abu Rashed Md. Maukeeb	Assist. Prof. Dept. of Agricultural Chemistry, KAU	KAU	Presence of heavy metals in industrial effluents in khulna district and assessing of their toxic effects on growth of spinach and water spinach.	80,000/-
82	167	Sadia Salam	Lecturer, Dept. of Fishery Biology and Genetics, KAU	KAU	Effects of synbiotics on immunity systems in stinging catfish (<i>Heteropneustes fossilis</i>).	80,000/-
83	170	Kaniz Fatema Usha	Lecturer, Dept. of Environmental Science, BAU	BAU	A Comparative Study of Heavy Metals in Wastewater of Different Industries in Gazipur City.	80,000/-
84	171	Mst. Ayesha Siddika	Lecturer, Dept. of Horticulture, BAU	BAU	Determination of proximate composition and antioxidant properties of some selected underutilized green leafy vegetables in Bangladesh.	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
85	172	Dr. Mohammad Ismail Hossain	Lecturer, Institute of Disaster Management, KUET	KUET	<i>Transition of the Agricultural Landscape in the Urban Periphery of the Khulna Metropolitan Area: A Case Study from 1989 to 2023.</i>	80,000/-
86	173	Farzana Yeasmin	Lecturer, Dept. of Medicine, BAU	BAU	Control of Brucellosis in Goat by Development of Vaccination Strategies in Bangladesh.	80,000/-
87	175	Santa Islam	Lecturer, Dept. of Agricultural Economics, BAU	BAU	Exploring Climate Change Adaptation Strategies in Postharvest Management of Paddy: Empirical Evidence from the Kishoreganj Haor Region in Bangladesh.	80,000/-
88	177	Tanvir Ahmed	Lecturer, Dept. of Poultry Science, BAU	BAU	Ameliorative influences of fasting and anti-stress vitamin (Vit-C and Vit-E) supplementation on growth, meat quality and gut histomorphology of heat stressed broiler chickens.	80,000/-
89	178	Mst. Antora Akter	Lecturer, Dept. of Surgery and Obstetrics, BAU	BAU	Comparative evaluation of 2% lidocaine, 2% lidocaine with epinephrine and 0.5% bupivacaine for paravertebral anaesthesia in goats.	80,000/-
90	179	Mahabub Alam	Lecturer, Dept. of Physiology	BAU	Efficacy of Nigella sativa oil on growth performance, hematological parameters and hepatorenal function in lead intoxicated broilers.	80,000/-
91	180	Md. Rafiqul Islam	Lecturer, Dept. of Anatomy and Histology, BAU	BAU	Hyperglycemia-associated gonadal dysfunction in diabetic male Swiss albino mice and its mitigation through phyto-genic treatment.	1,00,000/-
92	181	Dr. Chandra Shaker Chouhan	Lecturer, Dept. of Medicine, BAU	BAU	Chnico-Epidemiological Features and Biochemical Alterations in Lumpy Skin Disease Affected Cattle of Mymensingh Sadar Upazila.	1,00,000/-
93	182	Mst. Salma Masuda	Lecturer, Dept. of Genetics and Plant Breeding, HSTU	HSTU	Characterization of Barley Germplasm Based on Molecular Markers and Bio-fortified Traits.	80,000/-
94	184	Dr. Md. Ahsan Habib	Lecturer, Dept. of Animal Science and Nutrition	HSTU	Tomato (<i>Solanum lycopersicum</i>) pomace waste: Effect on growth performance, carcass characteristics, lipid profile and blood profile of sonali chickens.	80,000/-
95	189	Ismail Hossain	Lecturer, Dept. of Pathology, BAU	BAU	Modulation of the immune responses in broiler chickens by tribasic low-pathogenicity avian influenza virus H9N2	1,00,000/-
96	190	Shila Chakraborty	Lecturer, Dept. of Plant Pathology, BAU	BAU	Integrated application of <i>Bacillus subtilis</i> and <i>Pseudomonas fluorescens</i> for seed biopriming of maize for management of seed-borne diseases and improving seedling health.	1,00,000/-
97	191	S. M. Ariful Islam	Assistant Prof. Dept. of Animal Science, BAU	BAU	Evaluation of the microbial and biochemical quality of frozen meat products available in different shops.	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
98	192	Ummoy Sumaia Shammy	Lecturer, Dept. of Agrometeorology, BAU	BAU	Assessment of nutrients and heavy metal contamination of compost derived from poultry droppings.	80,000/-
99	193	Dr. Md. Anwar Hossain	Associate Professor, Dept. of Biotechnology and Genetic Engineering, NSTU	NSTU	Evaluation of yield performance of cultivated salt tolerant rice varieties at coastal region of Bangladesh.	80,000/-
100	194	Nikkon Sarker	Lecturer, Dept. of Microbiology, NSTU	NSTU	Isolation, Characterization, and Evaluation of Antimicrobial Activity of <i>Bacillus</i> spp. From marine soil in Noakhali, Bangladesh.	80,000/-
101	200	Md. Zonayet	Lecturer, Dept. of Soil Science, KAU	KAU	Effects of Plant Vitalizer (HB-101) on Potato Growth, Yield, and Nutrient Content under Saline Soil Conditions in the Southern Region of Bangladesh.	80,000/-
102	201	Md. Nur Alam Likhon	Scientific Officer, Pulp & Paper Research Division, BCSIR Laboratories, Dhaka.	BCSIR Laboratories, Dhaka.	Paper poroduction from Zara grass.	1,00,000/-
103	206	Md. Saiful Islam	Assistant Professor, Dept. of Chemistry, DU	DU	Tritium Activity, Gamma Radiation Level and Assessment of Radiological Hazards in Bottled Mineral Water, Groundwater, Surface Water at the Dhaka city and Nuclear Object Sites, Savar, Bangladesh.	1,00,000/-
104	207	Mithun Kumar Saha	Lecturer, Dept. of Soil, Water & Environment, DU	DU	Agroecosystem Based Quantification of Soil Organic Carbon Stock in Relation to Climate Change.	1,00,000/-
105	208	Saif Shahrukh	Lecturer, Dept. of Soil, Water & Environment, DU	DU	Airborne Microplastics as an Emerging Source of Particulate air Pollution in Dhaka, Bangladesh.	1,00,000/-
106	209	Arindita Das	Lecturer, Dept. of Genetic Engineering & Biotechnology, EWU	EWU	Isolation and characterization of plant growth promoting rhizobacteria (PGPR) from lentil (<i>Lens culinaris</i>) rhizosphere cultivated in a district of Bangladesh for enhancing soil fertility and crop yield.	80,000/-
107	210	Zuairia Binte Jashim	Lecturer, Dept. of Soil, Water & Environment, DU	DU	Biomonitoring Potentially Toxic elements (PTEs) in ambient air of Dhaka City Using plants.	80,000/-
108	211	Dr. Suma Akter	Lecturer, Dept. of Soil, Water & Environment, DU	DU	Adaptation of Climate smart organic fertilizer for the improvement of soil health in relation to food security.	1,00,000/-
109	212	Md. Mofizur Rahman	Asst. Prof, Dept. of Horticulture, SAU	SAU	Effect of Genotypes and Foliar Application of Micronutrients on Growth, Yield and Quality of Strawberry.	80,000/-
110	213	Razia Sultana Popy	Scientific Officer, Pulp & Paper Research Division, BCSIR Laboratories, Dhaka.	BCSIR, Laboratories, Dhaka.	Extraction of lignin from potassium hydroxide spent liquor of crop residues for commercial Purpose.	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
111	216	Preangka Saha Briste	Assistant Professor, Dept. of Pathology, BSMRAU	BSMRAU	Isolation and Identification of antifungal metabolite producing epiphytic bacteria and their in vitro effect on growth promotion of chili and biocontrol of Fusarium sp.	80,000/-
112	217	Rumana Biswas	Lecturer, Dept. of Agricultural Economics, KAU	KAU	Consumer Perception about Taking Alternative edible Oil of Soyabean for Human Consumption in Southern Region of Bangladesh.	80,000/-
113	218	Md. Uzzal Hossain	Lecturer, Dept. of Livestock Production & Management, KAU	KAU	Observation of indigenous and crossbred cattle production and reproduction performance in Khulna District of Bangladesh.	80,000/-
114	221	Md. Nazmul Hasan Mehedi	Scientific Officer, Dept. of Horticulture (BINA), BAU	BAU	Shelf life enhancement of Mango fruit through integrated approach of surface coating and gamma irradiation.	80,000/-
115	222	Zikesh Barman	Lecturer, Dept. of Farm Structure and Environmental Engineering, BAU	BAU	Development of Optimized Mix Designs for the sustainable application of Recycled Aggregate Concrete.	80,000/-
116	223	Md. Tariqul Islam	Lecturer, Haor & Char Development Institution, BAU	BAU	Effect of Integrated Nutrient Management and Mulch Materials on growth and yield of potato in Haor area of Bangladesh.	80,000/-
117	224	Mohammad Mahbubul	Lecturer, Haor & Char Development Institution, BAU	BAU	Effect of supplementary feeding on growth performance and physiochemical analysis of geese meat in Haor areas of Bangladesh.	80,000/-
118	225	Umme Ohida Rahman	Lecturer, Marine Fisheries Science, BAU	BAU	Effects of red seaweed, Gracilaria sp. On growth performance, antioxidant and haemato-immunological response in Nile Tilapia (<i>Oreochromis niloticus</i>) exposed to climate change induced salinity stress.	1,00,000/-
119	227	Shamiha Shafinaz Shreya	Lecturer, Dept. of Oceanography, DU	DU	Hydrogeochemical Analysis and Evaluation of Groundwater Quality of Sandwip Island, Located in the Southeastern Coastal Area of the Bay of Bengal, Bangladesh.	80,000/-
120	228	Md. Al Zahid	Lecturer, Dept. of Fisheries, DU	DU	Nutritional profiling of hilsa <i>Tenualosa ilisha</i> (Hamilton, 1822) from major migration routes of Bangladesh.	1,00,000/-
121	229	Al-Hakim	Lecturer, Dept. of Genetic Engineering & Biotechnology, JnU	JnU	Production and Partial Characterization of Industrially Important Alkaline Protease from Bacterial Isolates by Using Organic Municipal Solid Wastes.	80,000/-
122	230	Tamanna Meheran Shemu	Lecturer, Dept. of Geology, DU	DU	Interpreting the Probable Causes of Underground Flooding in the Barapukuria Coal Basin, Dinajpur, Bangladesh.	1,00,000/-
123	231	Rebeka Sultana	Asst. Prof, Dept. of Horticulture,	SAU	Combined Impact of Potassium and Gibberellic Acid on growth, Yield and Quality of Okra.	1,00,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
			SAU			
124	232	Banalata Das	Asst. Prof, Dept.of Horticulture, SAU	SAU	Integrated effect of humic acids and GA3 with chemical fertilizer on growth, yield and quality of cabbage.	80,000/-
125	233	Tanzim Hayat	Lecturer, Dept. of Disaster Science and Climate Resilience, DU	DU	Geospatial exploration to establish a relation between household flood damage in monetary terms to satellite derived land cover change: A case study for 2022 Sylhet Flood.	1,00,000/-
126	234	Faysal Ahmed	Asst. Prof, Dept.of Soil Science, SAU	SAU	Performance of Tomato to Different Levels of Raw Chitosan Powder.	80,000/-
127	236	Deepa Roy	Asst. Prof, Dept.of Mathematics, JUST	JUST	Effects of afforestation and deforestation on the change of land surface temperature and precipitation over Bangladesh.	80,000/-
128	240	Zannatul Ferdous	Lecturer, Dept. of Nutrition and Food Engineering, Daffodil International University.	Daffodil International University.	Assessment of antioxidant activities, quality and sensory attributes of fiber enriched fruit bar from sapodilla (Manilkara Zapota) blended with date (<i>Phoenix dactylifera</i>).	80,000/-
129	241	Roksana Jahan	Asst. Prof, Dept.of Marine Fisheries & Oceanography, SAU	SAU	Resilience of small-scale fisheries during marine banning period in the Cox's Bazar, Bangladesh.	80,000/-
130	242	Fatema Tus Sadia	Assistant Professor, Dept. of Agricultural Economics, SAU	SAU	Adoption of Improved Technology in Apiculture: Empirical Evidence from Bangladesh.	80,000/-
131	243	Md. Abdul Baten	Asst. Prof, Dept.of Fishing & Post Harvest Technology, SAU	SAU	Sensory, Physico-chemical and Microbiological quality of commonly consumed Seafood in Dhaka city.	80,000/-
132	244	Md. Shahidul Islam Khan	Asst. Prof, Dept.of Entomology, SAU	SAU	Dose effect of some promising insecticides against major sucking insect pests of okra and their effect on natural enemy incidence.	80,000/-
133	245	Md. Mahfuj Ullah Patoary	Assistant Professor, Dept. of Animal Nutrition, Genetics and Breeding, SAU	SAU	Feeding practices of conserved fodder in Dhaka division during the time of scarcity: A survey towards sustainable livestock feeding.	80,000/-
134	246	Dr. Lutfun Nahar	Assistant Professor, Dept. of Agricultural Botany, SAU	SAU	Major Cereal rice landraces identification for tolerances to heat stress under pot culture condition.	1,00,000/-
135	247	Md. Saidur Rahman	Asst. Prof, Dept.of Agricultural Botany, SAU	SAU	Optimizing Food Safety and Quality in Organic Tomato Production through the Use of Organic Amendments.	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
136	248	Bishrat Farhana Amy	Assistant Professor, Dept. of Animal Nutrition, Genetics and Breeding, SAU	SAU	Effect of ovary storage time and incubation time of bovine oocytes on in vitro maturation.	1,00,000/-
137	250	Zubyda Mushtari Nadia	Assistant Professor, Dept. of Aquatic Animal Health Management, SAU	SAU	Seasonal Variation of Monogenetic Trematode Infestations in Carps and Efficacy of Salt (NaCl) and Potassium Permanganate (KMnO ₄) Immersion Treatments against the Infections.	80,000/-
138	252	Md. Omar Ali Mollick	Assistant Professor, Dept. of Soil Science, SAU	SAU	Biochar as a promising strategy for improving tomato productivity and soil health under salt stress.	1,00,000/-
139	253	Md. Asadur Rahman	Lecturer, Dept. of Fishery Resources Conservation and Management, KAU	KAU	Bioaccumulation of trace metals in different commercial estuarine species from Sundarbans mangrove forest: Probabilistic health risk assessment.	80,000/-
140	254	Dipok Halder	Scientific Officer, On Farm Research Division, BARI	BARI	Exogenous application of zinc improves morpho-physiological and antioxidant defense mechanisms and agronomic grain biofortification of wheat (<i>Triticum aestivum</i> L.) under water stress.	80,000/-
141	259	S. M. Abdullah	Assistant Professor, Dept. of Microbiology and Parasitology, SAU	SAU	Prevalence and detailed morphological identification of ectoparasite infestation of Buffalo in the Southern areas of Bangladesh.	80,000/-
142	261	Mir Mohammad Ali	Assistant Professor, Dept. of Aquaculture, SAU	SAU	The Effect of Feeding Black Soldier Fly Larvae on Growth Performance, Survival Rate and Nutrient Content of Nile Tilapia (<i>Oreochromis niloticus</i>).	1,00,000/-
143	262	Md. Mahmudul Hasan Sohel	Assistant Professor, Dept. of Entomology, SAU	SAU	Efficacy of Bio-Control agents and Biopesticides for controlling Insect Pests of Country bean.	80,000/-
144	263	Md. Hayder Khan Sujan	Assistant Professor, Dept. of Development and Poverty Studies, SAU	SAU	Analysis Farmers Knowledge, Attitude and Practices (KAP) on Fertilizer Use in Rice Farming in Bangladesh.	80,000/-
145	264	Chaity Dey Puja	Assistant Professor, Dept. of Horticulture, SAU	SAU	Analysis of antioxidant activity and proximate composition of some minor fruits of Bangladesh.	80,000/-
146	265	Mahbuba Siddika	Assistant Professor, Dept. of Agriculture Chemistry, SAU	SAU	Observation of Growth, Yield and Nutrients content of onion under different salinity levels as influenced by foliar Application of Potassium.	80,000/-
147	266	Marzia Habib	Assistant Professor, Dept. of Agriculture Chemistry, SAU	SAU	Health risk Assessment of Pesticide Residues in Eggplant and Tomato Collected from Different Areas of Northern Regions of Bangladesh.	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
148	267	Sharmin Sultana	Assistant Professor, Dept. of Biochemistry, SAU	SAU	Evaluation of nutritional and antioxidant activity of different varieties of Mesta (<i>Hibiscus sabdariffa</i> .) leaf and calyces.	80,000/-
149	268	Abdul Awal Chowdhury Masud	Assistant Professor, Dept. of Agronomy, SAU	SAU	Halopriming: Unleashing the potential of plant stress memory for enhanced crop production.	80,000/-
150	269	Mostarak Hossain Munshi	Assistant Professor, Dept. of Soil Science, SAU	SAU	Influence of Biochar on Heavy Metal Uptake and Yield of Capsicum Grown in Heavy Metal-Contaminated Soil.	1,00,000/-
151	270	Rokeya Sultana Ruku	Assistant Professor, Dept. of Entomology, SAU	SAU	Study on The Insect Diversity on Indian Jujube (<i>Ziziphus mauritiana</i>) Plant and Pollinator's role on its Yield..	1,00,000/-
152	271	Md. Shoriful Islam	Assistant Professor, Dept of Agricultural Botany, SAU	SAU	Effect of Allelopathic Buckwheat Varieties on Weed Suppression.	80,000/-
153	272	Lita Biswas	Assistant Professor, Dept. of Dairy Science, SAU	SAU	Molecular detection of antibiotic-resistant <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> recovered from dairy farm environment and their public health implication in and around the Dhaka city.	80,000/-
154	274	Sajeda Sultana	Assistant Professor, Dept. of Pathology, SAU	SAU	An abattoir based study on sanitary practices for disposal of Hydatid cyst infected organs prevailing in food animals in Dhaka city: A neglected area for zoonosis.	1,00,000/-
155	275	Fatema Sarker	Associate Professor, Dept. of Development and Poverty Studies, SAU	SAU	Dairy farmers' knowledge, attitudes, and practices (KAPs) in livestock feeding and nutrition management in Bangladesh.	1,00,000/-
156	276	Mst. Sadia Naznin	Scientific Officer, Spices Research Sub-Centre, BARI, Ialmonirhat5500	Spices Research Sub-Centre, BARI, Ialmonirhat5500	Study of Pollination Approach on the True Seed Production of Onion.	80,000/-
157	282	Md. Fahmid Hossain Bhuiyan	Scientific Officer, Plant Biotechnology Division, NIB	NIB	Identification and Expression Analysis of Trehalose Biosynthetic Genes in Tomato (<i>Solanum lycopersicum</i>) Genome.	80,000/-
158	283	Nilufar Islam	SSO, Bangladesh Sugarcrop Research Institute, Regional Station, Gazipur	Bangladesh Sugarcrop Research Institute	Effect of Postharvest Approaches on the shelf life of Chewing Cane.	80,000/-
159	286	Homayora Yeasmin	Lecturer, Dept. of Agricultural Statistics & Bioinformatics, KAU	KAU	Assessing the Market Opportunities for Pesticide-Free Vegetables in Bangladesh: Consumer Preferences and Willingness to Pay.	80,000/-
160	287	Dr. Sheikh Mustafizur Rahman	Professor, Dept. of Fisheries and Marine Resource Technology, KU	KU	Toxicological effects of polyvinyl chloride microplastics in a small live-bearing fish, the guppy (<i>Poecilia reticulata</i>).	1,00,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
161	288	Md. Iqramul Haq	Assistant. Prof, Dept. of Agricultural Statistics, SAU	SAU	Impact of climate-smart agriculture (CSA) in rice farming in coastal ecosystem: Dual application of classical and machine learning approach.	80,000/-
162	289	Md. Foysul Hossain	Assistant Prof, Dept. of Aquatic Environment & Resource Management, SAU	SAU	Effect of environmental parameters and nutrients on seasonal fish biodiversity and abundance in Chalan Beel, Bangladesh.	80,000/-
163	290	Israt Jahan Meem	Lecturer, Dept. of Animal Breeding and Genetics, BSMRAU	BSMRAU	Effect of Java Plum seed and fermented rice on the fertility of diabetic mice,	80,000/-
164	294	Md Abubakar Siddik	Assistant Professor, Dept. of Crop Botany, Habiganj Agricultural University	Habiganj Agricultural University	Germplasm and Herbarium to Research, Study and Enrich Diversity of Plants in Habiganj Agricultural university.	1,00,000/-
165	295	Jakaria Chowdhury Onik	Lecturer, Dept. of Horticulture, Habiganj Agricultural University	Habiganj Agricultural University	The adoption of floating agriculture in Bangladeshi wetlands (Haor Area) to advance climate-smart farming: Innovation transfer's successes and shortcomings.	80,000/-
166	297	Survi Akter	Agriculture Extension Officer, Dinajpur Sadar Upazila, Dinajpur.	Dinajpur Sadar Upazila, Dinajpur.	Safe crop Production through Eco-Friendly Approaches by the Smallholder Beneficiary and Non beneficiary Farmers: A Comparative Study.	80,000/-
167	301	Mohshina Mustare Liza	Lecturer, Dept. of Agronomy, Habiganj Agricultural University	Habiganj Agricultural University	Adaptation to climate changes through climate-smart technologies in shylet Agriculture Region.	1,00,000/-
168	302	Mohammad Kamrul Hasan	Scientific Officer, Fisheries Biotechnology Division, NIB	NIB	Analysis of Bacterial Disease in <i>Anabas testudineus</i> (Climbing perch) Fish in Bangladesh: Identification of Pathogens, and Implications for Aquaculture Health.	80,000/-
169	306	Dr. Shirina Akter Toma	Lecturer, Dept. of Animal Science, Habiganj Agricultural University	Habiganj Agricultural University	Evaluation of Physicochemical and Nutritional properties of meat of Jinding and Khaki Campbell duck available in Haor area of Habiganj district, Bangladesh.	80,000/-
170	307	Dr. Jakia Sultana Koly	Lecturer, Dept. of Nutrition, Habiganj Agricultural University	Habiganj Agricultural University	Analysis of nutritive value of Berseem fodder (<i>Trifolium alexandrinum</i>) and its effect on growth and milk production of Black Bengal goats available in haor region of Habiganj District, Bangladesh.	80,000/-
171	309	Parvin Akter Bithy	Assistant Professor, Dept. of Agricultural Botany, SAU	SAU	Response of Mungbean to Different Level of macro and Micronutrient.	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
172	322	Ishrat Alam	Asst. Prof, Soil Science, SAU	SAU	Selection of Beneficial Rhizobial Strain to Develop Bio-Fertilizer for the Growth and Yield of Lentil.	80,000/-
173	323	Dr. Tanjeena Zaman	Associate Prof. Dept. of Fisheries, Rajshahi Institute of Biosciences Masktadighi, Rajshahi	Rajshahi Institute of Biosciences Masktadighi, Rajshahi	Investigation of the effects of carbofuran and fipronil pesticides in the development of congenital anomalies on the zebrafish animal model.	80,000/-

R&D 2023-2024 (Biology, Medical Science and Nutrition Science Group)

S.L	Reg. No.	Name	Address	Organization /University	Project Title	Grant Amount
1	3	Pritam Kundu	Asst. Prof, Dept. of Pharmacy Discipline, KU	KU	Assessment of biological effects and characterization of phytochemicals by HPLC analysis of <i>Citrus sinensis</i> pericarps along with <i>in silico</i> study.	1,00,000/-
2	4	Dr. Sha Md. Shahan Shahriar	Associate Prof. Dept. of Chemistry & Chemical Engineering, RU	RU	Synthesis, anticancer and antimicrobial properties of Schiff base and its transition metal complexes.	80,000/-
3	6	Mohammad Zakerin Abedin	Assistant Prof. & Head. Dept. of Microbiology, KYAU	KYAU	Microbiological Analysis of Street Vended Fruit Juices from Sirajganj City, Bangladesh.	1,00,000/-
4	10	Fatema Tuz Zohra	Medical Officer, INMP, AERE, Savar, Dhaka	AERE	Usefulness of Fluorodeoxyglucose Positron Emission Tomography-Computed Tomography (FDG PE-CT) Scan in Detection of Metastatic Carcinoma of Unknown Primary at Institute of Nuclear Medical Physics, AERE, Bangladesh Atomic Energy Commission.	1,00,000/-
5	11	Md Masud Rana	Asst. Prof, Dept. of Zoology, JU	JU	The impact of anthropogenic activities on water quality including the diversity of fish species, load of heavy metal and coliform bacteria from the surface water of shitalakshya river, BD.	1,00,000/-
6	13	Dr. Saiful Islam	Associate Professor, Dept. of Physiology, SAU	SAU	Effects of Organic Acids supplementation on production performance, blood metabolites, gut histomorphology and gut microbiota of broiler chicken, an alternative to Antibiotic Growth Promoters.	1,00,000/-
7	14	Md. Akhtaruzzaman	Lecturer, Dept. of Agro Product Processing Technology, JUST	JUST	Extraction of Betalain from Malabar Spinach (<i>Basella alba</i> L.) Fruit and Incorporation in Yogurt as a Natural Food Colorant.	1,00,000/-
8	16	Badhan Roy Tanny	MBBS (DU). MO, Dept. of Gynae & Obs, Ad-din Akiy Medical College & Hospital, Khulna	Ad-din Akiy Medical College & Hospital, Khulna	Use of antifungal drug in per-vaginal suppository form to treat the vaginal candidiasis during pregnancy.	80,000/-
9	22	Md. Shamim Gazi	Asst. Prof. Dept. of Biotechnology and Genetic Engineering Discipline, KU	KU	<i>In-Vivo</i> Assessment of Iron Chelating Activities of Selective Mangrove Plants in Bangladesh.	80,000/-
10	23	Md. Ekhlas Uddin	Assistant Professor, Dept. of Biochemistry & Molecular Biology, Gono Bishwabidyalay, Savar, Dhaka	Gono University, Savar, Dhaka	Identification and Characterization of an Efficient Cow Skin De-hairing Protease Producing Bacterial Strain from Tannery Waste Samples.	1,00,000/-

S.L	Reg. No.	Name	Address	Organization /University	Project Title	Grant Amount
11	25	Subrato Kumar Barman	Lecturer, Dept. of Pharmacy, Daffodil International University, Dhaka	Daffodil International University, Dhaka	GC-MS Profiling, antioxidant, antimicrobial and antidiabetic activity evaluation of methanolic extract of <i>Oxalis stricta</i> L.: an in vitro, in vivo and in silico approach.	1,00,000/-
12	26	Shadhan Kumar Mondal	Lecturer, Dept. of Pharmacy, Daffodil International University, Dhaka	Daffodil International University, Dhaka	Preparation and Characterization of Colon-Targeted Sustained Release Disulfiram Tablet for Colonic Cancer.	80,000/-
13	28	Dr. Md. Nazmul Huda	Lecturer, Dept. of Ayurvedic Medicine, Government Unani & Ayurvedic Medical College, Dhaka	Government Unani & Ayurvedic Medical College, Dhaka	Clinical Evaluation of Jirakadyarista for the Treatment of Irritable Bowel Syndrome: A Prospective Study.	1,00,000/-
14	29	Professor, Dr. Shaikh Jamal Uddin	Professor, Pharmacy Discipline, KU	KU	Assessing the Anti-diabetic Potential of <i>Elaeocarpus serratus</i> Fruits in Type-2 Diabetes Patients via Continuous glucose monitoring: A Double-Blind Randomized Controlled Clinical Trial.	1,00,000/-
15	30	Nitun Kumar Podder	Lecturer, Dept. of Computer Science and Engineering, PUST	PUST	Cancer Biomarkers Identification: Interplay of Machine Learning and Bioinformatics Approaches to Identify Genetic Biomarkers that Affect Survival of Patients with Cancer.	80,000/-
16	32	Polash Chandra Karmakar	Scientific Officer, AERE, Savar, Dhaka	AERE	The Synergistic Effect of Decellularized Human Amniotic Membrane and <i>Nigella sativa</i> Gel on Burn wound Healing in Rat Model.	1,00,000/-
17	33	Tusher-Al-Arafat	Scientific Officer, AERE, Savar, Dhaka	AERE	Effects of Gamma Irradiation on the Properties of Hydroxyapatite Collagen-Chitosan-Mg-ZnO Scaffolds for Bone Tissue Engineering.	1,00,000/-
18	34	Md Shahjalal	Scientific Officer, Food Safety & Quality Analysis Division, AERE, Savar, Dhaka	AERE	Development, Optimization, and Quality Characterization of Elephant Apple (<i>Dillenia indica</i>) Juice Enriched Red Amaranth (<i>Amaranthus gangeticus</i> Linn) Jelly: A Natural Colored Phytochemical Rich New Confectionery Product for Human Consumption.	1,00,000/-
19	35	Safaiatul Islam	Scientific Officer, Molecular Radiobiology & Biodosimetry Division, AERE, BAEC	AERE, BAEC	Analysis of Radiation Induced Chromosomal Aberrations in Irradiated Peripheral Blood Samples from Healthy Individuals.	1,00,000/-
20	37	Dr. Aninda Kumar Nath	Chairman, Dept. of Pharmacy, BGC Trust University Bangladesh.	BGC Trust University Bangladesh	Chemical and Biological Investigations of <i>Tetracera sarmentosa</i> (L.) Vahl	1,00,000/-
21	41	Md. Sahidul Islam	Lecturer, Dept. of Poultry Science, KAU	KAU	Effects of dietary supplementation of probiotics on the feed intake, body weight gain, feed conversion ratio (FCR), chicks' mortality and the antibody titer against newcastle and infectious bursal diseases of commercial broiler chickens.	1,00,000/-
22	43	Dr. Md. Sadequul Islam	Associate Prof, Dept. of Anatomy & Histology, HSTU	HSTU	Assessment of harmful effects of micro plastic on the <i>FGF5</i> gene and skin of mice.	1,00,000/-

S.L	Reg. No.	Name	Address	Organization /University	Project Title	Grant Amount
23	47	Mahjabin Nobi Khan	Scientific Officer, INMAS, Chattogram Medical College Hospital Campus, BAEC	INMAS, Chattogram Medical College Hospital Campus, BAEC	Biochemical, Hematological and Genetic study of the Effects of Occupational Exposure to Low Dose Ionizing Radiation.	1,00,000/-
24	49	Sabuj Kanti Nath	Lecturer, Dept. of Animal Nutrition, KAU	KAU	Effects of dietary methionine supplementation in diet on productive performance and serum profile in broilers.	1,00,000/-
25	50	Md. Amir Hossain	Assistant Professor, Dept. of Poultry Science, KAU	KAU	Effect of Dietary Inclusion of Moringa oleifera Leaf on Growth Performance, Meat Quality, antioxidant capacity, and lipid levels in Sonali Chickens.	1,00,000/-
26	53	Jaytirmoy Barmon	Scientific Officer, Oils, Fats and Waxes Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	A Survey regarding edible oils consumption in Bangladesh and assessment of oils quality.	80,000/-
27	55	Dr. Md. Taslim Hossain	Assistant Professor, Dept. of Animal Nutrition, Faculty of Veterinary, Animal and Biomedical Sciences, KAU	KAU	Effects of dietary Chia seeds on performance, egg quality and serum biochemical properties in laying hen.	1,00,000/-
28	58	Dr. Nripendra Nath Biswas	Professor, Pharmacy Discipline, KU	KU	Investigation of Bacterial Quorum Sensing and Biofilm Inhibitory Potentials of leaves of mangrove plant <i>Aegiceras Corniculatum</i> against <i>Pseudomonas aeruginosa</i> strain.	1,00,000/-
29	60	Dr. A.H.M. Mahbubur Rahman	Professor, Dept. of Botany, RU	RU	Identification and Control Measures of Invasive Alien Plant Species of Rajshahi District.	1,00,000/-
30	61	Dr. F. M. Ali Haydar	Professor, Dept. of Botany, RU	RU	Studies on Heterosis and Hybrid Variety Development of Maize (<i>Zea mays</i> L.)	1,00,000/-
31	63	Fowzia Bahar	Lecturer, Dept. of Livestock Production and Management, KAU	KAU	Population genomics for quantitative trait loci in egg quality traits of Kuroiler and naked Neck chicken.	80,000/-
32	64	Dr. Shahabuddin Ahmed	Assistant Professor, Dept. of Animal Nutrition, KAU	KAU	Effects of Cassava meal (<i>Manihot esculenta</i>) as an alternative source of Energy and protein used in feed on the growth performance, carcass characteristics and meat quality of broiler.	1,00,000/-
33	65	Md. Uzzal Hossain	Assistant Professor, Dept. of Botany, University of Barishal	University of Barishal	Cytomolecular and phytochemicals analysis of five species from the genus <i>Kalanchoe</i> Adans. (Pathorkuchi).	1,00,000/-
34	68	Amit Kumar Dey	Scientific Officer, Applied Botany Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	Antimicrobial and antioxidant activity of major ethnomedicinal plants used by indigenous Santal people in Chapai Nawabganj district of Bangladesh.	1,00,000/-
35	76	Md. Shafiul Hossen	Lecturer, Dept. of Pharmacy, Southern University Bangladesh.	Southern University Bangladesh.	Investigation of the Linkage between miR-218-2(rs11134527) Genetic Variant and Breast Cancer Susceptibility: A Case-control study in the Bangladeshi Women.	80,000/-
36	78	Rubaya	Scientific Officer, Animal Biotechnology Division, NIB	NIB	Isolation and Molecular Characterization of Bacteriophages for Control of <i>Salmonella</i> spp. In Poultry.	1,00,000/-
37	79	Mst. Fahima Khatun	National Institute of Advanced Nursing	NIANER	Knowledge and Practice of Simulation-based Teaching in Nursing &	1,00,000/-

S.L	Reg. No.	Name	Address	Organization /University	Project Title	Grant Amount
			Education and Research (NIANER)		Midwifery Education: A web-based Survey among Nurse Teachers in Bangladesh.	
38	80	M.M.Kamal Hossain	Scientific Officer, Animal Biotechnology Division, NIB	NIB	Bacteriophage as a Potential Biocontrol Agents for Killing Verocytotoxin-producing (VTEC) <i>Escherichia coli</i> in poultry.	1,00,000/-
39	81	Md. Saddam Hossain	Scientific Officer, NIB	NIB	Whole Genome Analysis of Potential Probiotic Bacteria for the Treatment of Hypercholesterolemia.	1,00,000/-
40	83	Dabashes Adhikery	Scientific Officer, BTRI, BCSIR, Dhaka	BTRI, BCSIR, Dhaka	Molecular Typing and Anti-biofilm Activity of Plant Extracts Against Cariogenic <i>Streptococcus mutans</i> .	1,00,000/-
41	84	Md. Abdurrahim	Senior Scientific Officer, Biomedical- & Toxicological Research Institute (BTRI) BCSIR, Dhaka	BTRI, BCSIR, Dhaka	Synthesis of Nanoparticles from <i>Coccinia grandis</i> (L.) and it's Anti-Diabetics Effect in Streptozotocin-Induced Diabetic mice.	1,00,000/-
42	85	Dr. Eaftekhar Ahmed Rana	Assistant Professor, Dept. of Microbiology and Veterinary Public Health, CVASU	CVASU	Detection of methicillin resistance gene and virulence determinant of diverse <i>Staphylococcus</i> spp. Associated with bovine sub-clinical mastitis in Chattogram, Bangladesh.	1,00,000/-
43	87	Dr. Md. Nurul Islam	Associate Prof. Dept. of Pharmacy, MBSTU	MBSTU	Phytochemical analysis and evaluation of the antidiabetic potential of the roots of <i>Bombax ceiba</i> .	80,000/-
44	90	Md Mizanur Rahman	Asst. Prof, Dept.of Pharmacy, Daffodil International University, Dhaka	Daffodil International University	Investigation of anti-diabetic effect of a medicinal plant in normal & type-2 diabetic rats.	80,000/-
45	94	Tanvir Hossain Emon	Lecturer, Dept. of Biotechnology and Genetic Engineering, NSTU	NSTU	Isolation and salt-tolerance evaluation of plant growth-promoting endophytic bacteria associated with the halophyte.	1,00,000/-
46	95	Dr. Sreedam Chandra Das	Associate Prof, Dept.of Clinical Pharmacy & Pharmacology, DU	DU	Alteration of serum vitamin E status in patients with type 2 diabetes mellitus (T2DM) in Bangladeshi population.	1,00,000/-
47	99	Abira Nowar	Institute of Nutrition and Food Science, DU	DU	Development and Validation of the Motivation for Healthy Eating Behavior Scale (MHEBS) for Bangladeshi Adults.	1,00,000/-
48	100	Israt Dilruba Mishu	Lecturer, Dept. of Microbiology, DU	DU	Investigating the Molecular Mechanisms of Macrolide Resistance in Bacterial Pathogens isolated from Patients with Urinary Tract Infection.	1,00,000/-
49	101	Dr. Uttom Kumar	Associate prof, Dept.of Pharmaceutical Technology, DU	DU	Enhancement of aqueous solubility of tofacitinib by solid dispersion technique.	1,00,000/-
50	103	Shabiba Parvin Shandhi	Scientific Officer, Drugs and Toxins Research Division, BCSIR Rajshahi	BCSIR, Rajshahi	Isolation of Bioactive Compounds from Medicinal Plant <i>Piper chaba</i> H (Chuijhal).	1,00,000/-
51	104	Prodip Kumar Baral	Asst. Prof, Dept.of Pharmacy, NSTU	NSTU	Exploration of drug-drug interaction between esomeprazole and rosuvastatin on rat model by RP-HPLC technique.	80,000/-
52	105	Fahad Hussain	Associate Professor, Dept.of Pharmacy, NSTU	NSTU	An Insight into the Antioxidant and CNS depressant potentiality of methanolic extract of <i>Corni fructus</i> (Family: Cornaceae)	1,00,000/-

S.L	Reg. No.	Name	Address	Organization /University	Project Title	Grant Amount
53	107	Kutub Uddin Ahamed	Research Pharmacologist, Drugs & Toxins Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	Antioxidant and protective potential against hepatotoxicity induced by paracetamol of <i>Amorphophallus margaritifer</i> evidence from in vivo in vitro and computer aid studies and screening molecular compounds by using GCMS.	1,00,000/-
54	108	Safaet Alam	Scientific Officer, Drugs & Toxins Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	Chemical isolation and pharmacological evaluations of Salad Koçhu (<i>Colocasia gigantea</i> Hook.f.): in vitro, in vivo and in silico studies.	1,00,000/-
55	109	Marjia Sultana	Assistant Professor, Dept. of FTNS, NSTU	NSTU	Antioxidant activity, total phenol and flavonoid contents of commonly consumed vegetables in Noakhali, District, Bangladesh.	1,00,000/-
56	114	Md. Monirul Islam	Lecturer, Dept. of Pharmacy, NSTU	NSTU	Assessment of Lactic Acid Bacteria (LAB) fermented product in modulating obesity and inflammatory cytokines expression in high fat-induced obese mice.	1,00,000/-
57	117	Dilruba Afrin	Assistant Professor, Dept. of Animal and Fish Biotechnology, SAU	SAU	Phenotypic Screening of Extended-Spectrum Beta-Lactamase-producing <i>E. coli</i> and <i>Salmonella</i> spp. From Retail Dried Fish.	1,00,000/-
58	118	Smarnima Ghosh Jui	Lecturer, Dept. of Food Technology & Nutrition Science, NSTU	NSTU	Hygiene practice and Assessment of microbiological quality and identification of antibiotic resistant bacteria from locally produced bread and cake items in Noakhali, Bangladesh.	80,000/-
59	122	Dr. Nazmi Ara Rumi	Associate Prof, Dept. of Microbiology, HSTU	HSTU	Molecular Detection of Methicillin Resistant <i>Staphylococcus aureus</i> Isolated from Raw Chicken Meat and Human Hand Swabs in the Retail Market at Rangpur Division.	1,00,000/-
60	123	Dr. Md. Ismail Hossen	Assistant Professor, Dept. of Medicine, Surgery and Obstetrics, HSTU	HSTU	Effect of meloxicam and flunixin meglumine on post-operative analgesia and physiological parameters of rabbit undergoing ovariohysterectomy.	1,00,000/-
61	124	Dr. Otun Saha	Assistant Professor, Dept. of Microbiology, NSTU	NSTU	Occurrence and dissemination of resistome of pathogenic bacterial population and heavy metals intake of raw produce near the poultry, fish, and livestock farm in Bangladesh.	1,00,000/-
62	127	Tanay Chakrovarty	Lecturer, Dept. of Microbiology, JUST	JUST	Investigation the Presence of Virulence Factors, Antibiotic Resistance Patterns, And Biofilm Development in Gram-Negative Bacteria Isolated from Common Vegetable Source.	80,000/-
63	133	Dr. Muhammad Rashedul Islam	Chairman, Dept. of Pharmaceutical Technology, DU	DU	Microsphere formulation of naproxen and its evaluation.	1,00,000/-
64	134	Md. Sujan Hossen	Scientific Officer, Institute of Food Science & Technology, BCSIR, Dhaka	BCSIR, Dhaka	Production of protein hydrolysates from Rohu (<i>Labeo rohita</i>) fish scale.	1,00,000/-
65	136	Md. Saddam Hossain	Scientific Officer, ITTI, BCSIR, Dhaka	ITTI, BCSIR, Dhaka	Molecular Characterization and Probiotics Potentiality Screening of Freshwater Fish Intestine Derived Bacteria.	1,00,000/-

S.L	Reg. No.	Name	Address	Organization /University	Project Title	Grant Amount
66	138	Tahrima Arman Tusty	Scientific Officer, Dept.of Microbial Biotechnology, NIB	NIB	Heterologous expression, purification, and characterization of alpha-amylase from recombinant <i>Escherichia coli</i> BL21 (DE3)	80,000/-
67	139	Shanjana Rahman Tuli	Scientific Officer, Environmental Biotechnology Division, NIB	NIB	Identification and Molecular characterization of Violacein Producing Bacteria with Potential Antimicrobial Properties.	1,00,000/-
68	140	Md. Musfikus Salehin	Scientific Officer, BIRTAN, Mollikipur, Sunamganj	BIRTAN, Mollikipur, Sunamganj	Effect of Different Drying Techniques on the Nutritional Value of Oyster white mushrooms.	80,000/-
69	143	Prince Biswas	Scientific Officer, BIRTAN, Araihaazar, Narayanganj	BIRTAN, Narayanganj	Determine the nutrient loss and pesticide residue of carrot (<i>Daucus carota</i>).	1,00,000/-
70	145	Muhammad Habibur Rahman	Scientific Officer, BIRTAN, Araihaazar, Narayanganj	BIRTAN, Narayanganj	Estimation of Antibiotic Residues in Broiler Meat at Experimental Level by Maintaining the Residual Period.	1,00,000/-
71	146	Dr. Md. Shakhawat Hossain	Assistant Professor, Dept. of Gastroenterology, Rangpur Medical College, Rangpur.	Rangpur Medical College, Rangpur.	Non-Alcoholic Fatty Liver Disease: A Survey on Current Knowledge, Attitude, Practice and Challenges among Primary Care Physicians of Bangladesh.	1,00,000/-
72	149	Dr. A.S.M. Monjur Al Hossain	Assistant Professor, Dept. of Pharmaceutical Technology, DU	DU	Composition and modulation of dissolution property of terbinafine HCl using solid dispersion strategy.	1,00,000/-
73	151	Md. Nawal Sarwer	Lecturer, Dept. of Nutrition and Food Engineering, DIU	DIU	Exploring the Contributions of Homestead Gardening to Enhancing Food Security and Dietary Diversity in Rural Bangladesh.	1,00,000/-
74	152	Md. Shamsur Rahman	Lecturer, Dept. of Nutrition & Food Engineering, Daffodil International University, Dhaka	DIU	Development of sourdough bread and analysis of its nutritional, microbial and sensory quality.	1,00,000/-
75	153	Lipi Rani Mondal	Lecturer, Dept. of Nutrition & Food Engineering, Daffodil International University, Dhaka	DIU	Association between the presence of chronic disease risk factors and depression among university students in Bangladesh.	1,00,000/-
76	156	Munmun Akter	Lecturer, Dept. of Nutrition & Food Engineering, Daffodil International University, Dhaka	DIU	Impact of Nutritional Status and Dietary Pattern on Academic Performance of School-Going Children in Bangladesh.	80,000/-
77	159	Oumma Halima	Lecturer, Institute of Nutrition & Food Science, DU	DU	Formulation and quality evaluation of banana fortified cereal-legumes blends as weaning food for older infants and young children.	1,00,000/-
78	160	Akibul Islam Chowdhury	Lecturer, Dept. of Nutrition & Food Engineering, Daffodil International University, Dhaka	DIU	Crosstalk between farm production diversity and household dietary diversity: the key to fighting malnutrition in rural Bangladesh.	80,000/-
79	165	Md. Sayedul Islam	Asst. Prof, Dept. of Microbiology & Public Health, BSMRAU	BSMRAU	Molecular Detection of Enterotoxin Producing Genes in <i>Staphylococcus aureus</i> Isolated from Different Fast Food.	80,000/-
80	167	Md. Rafiul Islam Ranga	Lecturer, Dept. of Microbiology, DU	DU	Molecular characterization, epidemiological trends and serotype distribution of Dengue in Dhaka City.	1,00,000/-

S.L	Reg. No.	Name	Address	Organization /University	Project Title	Grant Amount
81	171	Pritesh Ranjan Dash	Lecturer, Dept. of Pharmacy, USTC	USTC	Chemical and Biological Investigations of <i>Persicaria pubescens</i> .	1,00,000/-
82	173	Nazratun Noor Maria	Lecturer, Dept. of Pharmacy, USTC	USTC	Investigation on Anti-Pyretic, Antidiarrheal, Analgesic & Anti-Inflammatory Properties of Bangladeshi Native Plant <i>Artocarpus Chama</i> Seeds to Achieve Sustainable Herbal Medicinal Development.	1,00,000/-
83	176	Ishtiaque Ahammad	Scientific Officer, Bioinformatics Division, NIB	NIB	Identification of Differentially Expressed Genes and Potential Diagnostic Biomarkers In Alzheimer's Disease using Whole Transcriptome Analysis.	80,000/-
84	177	Zeshan Mahmud Chowdhury	Scientific Officer, Bioinformatics Division, NIB	NIB	Decoding the role of uncharacterized helicobacter Pylori proteins on differentially expressed genes in gastric cancer pathogenesis.	1,00,000/-
85	178	Sarah Sarker	Scientific Officer, Plant Biotechnology Division, NIB	NIB	Molecular identification and phytochemical analysis of endophytic Fungi Isolated from <i>Aloe Vera</i> .	1,00,000/-
86	179	Md. Shihab Uddin Sohag	Lecturer, Dept. of Pharmacy, Khwaja Yunus Ali University, Sirajganj.	Khwaja Yunus Ali University, Sirajganj.	Comparative Assessment of in-vitro Antioxidant, Anti-inflammatory and DNA Damage Protection Activity of the Edible Seeds and Sprout of Bangladeshi Plants.	1,00,000/-
87	189	Md Abdul Barek	Lecturer, Dept. of Pharmacy, NSTU	NSTU	A PCR-RFLP Based Assessment of the Association of ESR1 rs2234693 Gene Variant with the Bangladeshi Cervical Cancer Patients: A Case-Control Study.	1,00,000/-
88	190	Md. Easin Mia	Lecturer, Dept. of Biotechnology and Genetic Engineering, NSTU	NSTU	Purification and partial characterization of bacteriocin produced by lactic acid bacteria isolated from the gastrointestinal tract of Sonali Chicken.	80,000/-
89	191	Popy Khatun	Lecturer, Dept. of Pharmacology, BAU	BAU	A comparative study on the nutritional values of different types of chicken.	1,00,000/-
90	193	Farhana Jahan	Scientific Officer, Natural Products Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	Phytochemical profiling and pharmacological activities of <i>Hibiscus sabdariffa</i> .	1,00,000/-
91	194	Md. Harun Ar Rashid	Research Botanist, Applied Botany Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	Karyotype characterization of four medicinal Terminalia spp. With special emphasis on reversible chromosome banding.	1,00,000/-
92	195	Md. Selim Reza	Scientific Officer, Applied Zoology Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	Developing a Low-Cost Approach for the detection of Lung and Breast Cancer by using FTIR Analysis.	1,00,000/-
93	198	Md. Sadequul Islam	Senior Scientific Officer, BIRTAN, Sirajganj.	BIRTAN, Sirajganj.	Evaluate Nutrient Composition of Selected Banana cultivar at different ripening level.	1,00,000/-
94	202	Arif Ahmed	Dept. of Pharmacy, USTC	USTC	Role of Citrullus lanatus rinds in the treatment of hyperglycemia along with behavioral phenotyping.	1,00,000/-
95	203	ATM Yusuf	Assistant Professor, Dept. of Pharmacy, USTC	USTC	Ethnopharmacological investigations of methanolic extract of flower of Bougainvillea glabra; In-vivo and In-silico approach.	1,00,000/-

S.L	Reg. No.	Name	Address	Organization /University	Project Title	Grant Amount
96	208	Munmun Akter	Assistant Professor, Dept. of Pathology, City Medical College	City Medical College	Expression of CD34 in Hepatocellular Carcinoma (HCC) in Bangladesh.	1,00,000/-

R&D 2023-2024 (Applied Science & Engineering Group)

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
1	1	Sagar Kumar Dutta	Asst. Prof, Dept.of Chemistry Discipline, KU	KU	Chemically modify cost-effective bio-adsorbent for the removal of toxic organic dye from aqueous solution: Kinetic, isotherm, and thermodynamic studies.	1,00,000/-
2	2	Dr. Pintu Chandra Shill	Prof, Dept.of Computer Science & Engineering, KUET	KUET	Protein Structure Prediction in Structural Genomics without Alignment Using Support Vector Machine with Fuzzy Logic.	80,000/-
3	7	Md. Abdul Wazed	Lecturer, Dept. of Food Engineering and Technology, HSTU	HSTU	Utilization of jackfruit and its by-products for preparing fortified bakery products.	1,00,000/-
4	10	Dr. Md. Moynul Islam	Asst. Prof, Dept.of Chemistry, BAUET	BAUET	The Study of Various Parameters on Cyclic Voltammetry and Electrodeposition of Cadmium in Choline Chloride Based Ionic Liquid.	1,00,000/-
5	14	Mashrafi Bin Mobarak	Scientific Officer, Glass Research Division, IGCRT, BCSIR, Dhaka.	IGCRT, BCSIR, Dhaka.	Synthesis and in-situ drug loading of hydroxyapatite utilizing waste material and evaluation of its drug release profile for the treatment of Osteomyelitis.	80,000/-
6	15	Md. Izharul Haque Azad	Lecturer, Dept.of Civil Eng, BAUST	BAUST	Influence of Non-Biodegradable Wastes in the Durability and Strength Characteristics of Conventional and Pervious concrete.	80,000/-
7	16	Dr. Muhammad Shafiur Rahman	Associate Professor, Dept. of Food Engg. & Technology, State University of Bangladesh.	SUB	Yield, erucic acid content and physicochemical properties of oils from different varieties of mustard seeds grown in Bangladesh.	1,00,000/-
8	19	Md. Firoz Kabir	Assistant Professor, Dept.of IPE, BAUST	BAUST	Investigation of Control Factors of Coir and pineapple leaf fiber reinforced composite.	80,000/-
9	20	Farhana Boby	Scientific Officer, Fruits & Food Proc. & Pres. Research Division, BCSIR, Rajshahi.	BCSIR, Rajshahi	Enzymatic clarification of fruit juice and vinegar using purified xylanase from Bacillus pumilus RG03	1,00,000/-
10	22	Md. Mahmudur Rahman	Scientific Officer, Oils, fats Research Division, BCSIR, Rajshahi.	BCSIR, Rajshahi	Fabrication of nanomembranes from biomass for the purification of industrial wastewater.	1,00,000/-
11	23	Dr. Md Abdur Rashid Sarker	Associate Professor, Dept. of ACEE, SAU	SAU	LED-based photodynamic disinfection of multidrug-resistant bacteria using natural photosensitizer in wastewater effluent.	80,000/-
12	25	Md. Al-Amin	Scientific Officer, Fiber & Polymer Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	Preparation of Biodegradable Hydrogel & Its Potential Applications in Agriculture Sector.	80,000/-
13	29	Md. Jawad Hasan	Lecturer, Leather Engineering & Technology, DU	DU	Application of Collagen Hydrolysate Enzymatically Extracted from Raw Trimmings in Proteolytic Enzyme Production: A Circular Economy Approach.	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
14	33	Md. Samaul Alam	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Sustainable Chrome Tanning by Crude Protease Enzymes: Enhanced Chemical Uptake and Reduction of Effluent Load.	80,000/-
15	35	Dr. Md. Mahmudul Hasan	Head, Dept. of Civil Engineering, BAUST	BAUST	Assessment of drinking water quality, sanitation facilities, hygiene practices and fecal sludge management (FSM) status of government primary schools in Saidpur, Nilphamari, Bangladesh	1,00,000/-
16	36	Mst. Sharmin Nahar	Lecturer, Dept. of Fisheries & Marine Bioscience, JUST	JUST	Morpho-molecular identification of fiddler crabs <i>Uca rosea</i> and <i>Uca urvillei</i> from Sundarbans, Bangladesh.	80,000/-
17	38	Md. Ziaul Hasan Majumder	Scientific Officer, Institute of Electronics, AERE	AERE	Machine Learning Approach for High-Resolution Antibiotic Drug-resistant Profiling.	1,00,000/-
18	39	Tumpa Saha	Scientific Officer, Institute of Nuclear Minerals, AERE, Savar, Dhaka	AERE	Study on Geomorphological Changes Using Drone and Satellite Image Analysis for Economic Mineral Prospecting at Kutubdia Island, Cox's Bazar.	1,00,000/-
19	43	Mahamudul Hashan	Asst. Prof, Dept. of Petroleum & Mining Eng, SUST	SUST	Data driven computational approaches to predict permeability from core data in a petroleum reservoir.	1,00,000/-
20	44	Labiba Nusrat Jahan	Associate Prof, Dept. of Petroleum & Mining Eng, SUST	SUST	Mineral identification using convolutional neural network: A deep learning approach.	80,000/-
21	45	Md. Selim Hossain	Lecturer, Dept. of ECE, HSTU	HSTU	Design and Performance Analysis of Oil Sensor-Based Photonic Crystal Fiber.	80,000/-
22	48	Md. Shahin Hossain	Asst. Prof, Dept. of Environmental Science, BGMEA University	BGMEA	Plant Based Novel Natural Cellulose Filler from the Bark of Jack Tree and Fiber from the Bark of <i>Annona reticulata</i> -Extraction, Characterization and Potential Application in Composite Material.	1,00,000/-
23	49	Dr. Md. Rashedul Islam	Associate Professor, Dept. of Electrical, Electronic and Communication Engineering, PUST	PUST	Tri-square resonator-based metamaterial sensor with high quality factor for detection of edible oil adulteration.	1,00,000/-
24	50	Dr. Hossain Mohammad Zakir	Asst. Prof, Dept. of Chemical Engineering, Z H Sikder University of Science & Technology	Z H Sikder University of Science & Technology	Synthesis of 1-methylcyclopropene and utilized as an ethylene inhibitor to prolong the shelf life of numerous perishable fruits and vegetables and promotes food security.	80,000/-
25	51	Md. Ashraful Alam	Professor, Dept. of Applied Chemistry and Chemical Engineering, NSTU	NSTU	Microwave assisted Kappa carrageenan/Lignin/Acrylamide based hydrogel preparation, characterization and its application in dye removal.	1,00,000/-
26	56	Md. Saidur Rahman Shakil	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Sustainable Leather Production: Extraction of fat from tannery solid waste and reusing developed fat and tallow in leather processing- A holistic approach to solid waste management.	80,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
27	58	Md. Delwar Hossain	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Development of Diabetic Footwear in Case of Lowering the Risk of Ulcer for the Diabetic Relevant Patients.	80,000/-
28	59	Sanjida Khan	Lecturer, Footwear Engineering, Institute of Leather Engineering & Technology, DU	DU	Utilization of waste buffing dust for the treatment of textile effluent.	80,000/-
29	60	Sunzida Haque Rimu	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Development of cost-effective natural microspheres for the treatment of tannery wastewater.	80,000/-
30	62	Md. Adib Hossain Chisty	Lecturer, Institute of Leather Engineering & Technology, DU	DU	A Facile approach to mitigate chromium ion from tannery waste water using waste orange peel.	80,000/-
31	63	Md. Rayhan Sarker	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Fabrication of composite material from leather solid wastes: A circular economy approach.	80,000/-
32	65	Dr. Tahsina Farah Sanam	Associate Professor, Institute of Appropriate Technology, BUET	BUET	An Intelligent and Cost-Effective Energy Management System for Smart Buildings Through An IoT Integrated Deep Learning Approach.	1,00,000/-
33	67	Md. Dulal Hosen	Research Assistant, Dept. of Textile Engineering, MBSTU	MBSTU	Development of a sustainable nonwoven fibrous food packaging material from abandoned pineapple plant waste.	80,000/-
34	70	Selina Sharmin	Associate Professor, Dept. of Computer Science & Engineering, JnU	JnU	In Improved Machine Learning-Based Approach for Intrusion Detection in Wireless Sensor Networks.	1,00,000/-
35	71	Md. Tauhid Bin Iqbal	Ass. Prof., Dept. of Computer Science & Engineering, Stamford University	Stamford University Bangladesh.	AnnotateBangla: An AI-enabled Bangla Character annotation Tool.	80,000/-
36	74	Md. Muslimuzzaman	Professor, Dept. of Food Engineering and Tea Technology (FET), SUST	SUST	Mat Drying Technique for High Quality Tomato Powder Production to reduce Post-Harvest Losses.	1,00,000/-

R&D 2023-2024 (Physical Science Group)

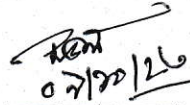
S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
1	2	Sudeb Chandra Das	Scientific Officer, Institute of Nuclear Minerals, AERE, Savar	AERE	Appraisal of Occurrence of Uranium in Crystalline basement Rocks From North-west Bangladesh: An Integrated Radiometric and Geochemical Approach.	1,00,000/-
2	3	Sadit Bihongo Malitha	Lecturer, Dept. of Applied Chemistry and Chemical Engineering, DU	DU	Heavy Metal and Textile Dye Removal from Wastewater by Cellulose-Graphene Oxide, Composite Prepared from Waste Graphite Electrodes and Cotton Rags.	1,00,000/-
3	5	Dr. Hasina Akhter Simol	Senior Scientist, Centre for Advanced Research in Sciences, DU	DU	Preparation and characterization of alkali metal WO ₃ based ternary and quaternary metal oxides for catalytic applications.	95,000/-
4	12	Md. Siddikur Rahman	Associate Professor, Dept. of Statistics, BRUR	BRUR	One Health approach to control climate sensitive emerging infectious diseases: A Statistical investigation in Rangpur region of Bangladesh.	95,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
5	13	Farzana Zannat Toshi	Lecturer, Dept. of Statistics, BRUR	BRUR	Evaluating the Effect of Parental Absence on Cognitive Deficit in Children: A case study on working parents in Bangladesh.	90,000/-
6	14	Md. Elias	Assistant Professor, Dept. of Chemistry, JnU	JnU	Photodegradation of Methylene Blue by $Zn_3(PO_4)_2/CNT$ Nanocomposite Thin Film Fabricated via Sol-gel Drop Coating Method.	1,00,000/-
7	16	Mohammad Tanvir Ahmed	Lecturer, Dept. of Physics, JUST	JUST	Hydrazinium-based Perovskite Synthesis for Solar Cell Application.	90,000/-
8	19	Debashis Roy	Lecturer, Dept. of Physics, JUST	JUST	Surface Modification of Boron Nitride nanosheet for toxic gas sensing: A DFT Analysis.	90,000/-
9	20	Mimma Tabassum	Assistant Professor, Dept. of Statistics, NSTU	NSTU	Determinants of Utilization of Antenatal and Delivery Care Services in Rural Areas of Bangladesh.	95,000/-
10	21	Md. Iftakhar Parvej	Assistant Professor, Dept. of Statistics, NSTU	NSTU	Factors associated of people residing in Old age Home: a case study in Dhaka and Chattogram Division.	90,000/-
11	26	Shamima Ferdousi Sifa	Lecturer, Dept. of Disaster Science and Climate Resilience, DU	DU	Monitoring the Extent of Soil Salinity and Implications to Enhance Decision Making for Achieving the SDG Goals.	95,000/-
12	27	Farhad Hossain	Lecturer, Dept. of Geology, DU	DU	Joint Inversion of Electrical Resistivity and Seismic Velocity for Near-Surface Engineering Geological Characterization of Dhaka City.	95,000/-
13	28	Sumiya Sadeak	Lecturer, Dept. of Geology, DU	DU	Groundwater Recharge Quantification and Aquifer Sustainability Assessment in Coastal Areas of Bangladesh by Coupling Surface-Subsurface Water Balance Model.	95,000/-
14	29	Md. Nirab Hossain	Lecturer, Dept. of Applied Mathematics, DU	DU	Efficient Online Shadow Tomography via Noisy Quantum Channels: Overcoming Information Loss.	95,000/-
15	31	Dr. Md. Abu Layek	Associate Professor, Dept. of Computer Science & Engineering, JnU	JnU	An Advanced Image Segmentation Model for fMRI Image: A Residual 3D-UNet Approach.	95,000/-
16	32	Sauda Sultana Mimi	Lecturer, Dept. of Chemistry, DU	DU	Phytochemical and Biological Investigation on the Bark of <i>Mallotus nudiflorus</i> (Pitali)	1,00,000/-
17	33	Md. Hasanur Rahman	Lecturer, Dept. of Chemistry, DU	DU	Isolation of Bioactive Compounds from Marine Algae: Exploring Novel Therapeutic Application.	1,00,000/-
18	41	Md. Jasim Uddin	Lecturer, Dept. of Mathematics, DU	DU	Dynamical analysis and chaos control of a discretized fractional order prey-predator model incorporating intra-specific competition with Caputo derivatives.	95,000/-
19	42	Rayhan Alam	SO, Institute of Nuclear Medical Physics, AERE, BAEC, Dhaka	Institute of Nuclear Medical Physics, AERE, BAEC, Dhaka	Determination of Concentration of Heavy Metal (Fe, As, Cr, Pb, Hg) in Drinking Water and Poultry meat products and Analysis of Contribution on Cancer Patients in north-western Part of Bangladesh.	1,00,000/-
20	43	Md. Borhanul Asfia	Lecture, Dept. of Physics, JUST	JUST	Investigation of Structural, Electronic, Optical & Mechanical Properties of Cubic $FrBCl_3$ ($B=Mg\&Ba$) Perovskite Materials: A First Principal Study.	95,000/-

S.L	Reg. No.	Name	Address	Organization/ University	Project Title	Grant Amount
21	44	Sahadat Jaman	Lecturer, Dept. of Physics, JUST	JUST	Ab-initio Study on the optoelectronic characteristics of doped perovskite for device application.	95,000/-
22	49	Mahmud Al Noor Tushar	Assistant Professor, Dept. of Geology, DU	DU	Investigating the Role of Rock Weathering and Clay Mineralogy in Landslide Occurrences within the Tertiary Formations exposed along Chattogram-Rangamati road cut section.	1,00,000/-
23	50	Md. Waliullah	Scientific Officer, Natural Products Research Division, BCSIR, Rajshahi	BCSIR, Rajshahi	Development of Polymer Composite for Energy Storage Application.	95,000/-

শর্তাবলী:

- ১। এ অনুদানের অর্থ গবেষণা প্রকল্পের নামে বরাদ্দকৃত। সংশ্লিষ্ট গবেষণা প্রকল্পের প্রকল্প পরিচালক প্রকল্পটি বাস্তবায়নের নিমিত্ত এ অর্থ উত্তোলন করতে পারবেন।
- ২। অর্থ উত্তোলনের জন্য গবেষণা প্রকল্পের পরিচালক নির্ধারিত ফরমে ৩ (তিন) কপি বিল মন্ত্রণালয়ে [অধিশাখা-১২, বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়, কক্ষ নং-৯১৯, ভবন নং-৬, বাংলাদেশ সচিবালয়, ঢাকা] দাখিল করবেন। দাখিলকৃত বিল ফরমে ‘প্রকল্প পরিচালক’ পদবী ব্যবহার করবেন এবং গবেষণা প্রকল্পের নামাঙ্কিত সিলমোহর প্রদান করবেন। বিল ফরম মন্ত্রণালয়ের ওয়েবসাইটে পাওয়া যাবে।
- ৩। প্রকল্প পরিচালক তাঁর দাখিলকৃত বিল অনুমোদনের জন্য বিলের সাথে ‘পূরণকৃত তথ্য ফরম’ (৩ কপি), ‘জাতীয় পরিচয় পত্র’ (৩ কপি), ও ‘রাউটার নম্বরসহ চেক বইয়ের উপরের পৃষ্ঠা (Cover Page)’ (৩ কপি) সংযুক্ত করতে হবে। ‘তথ্য ফরম’ মন্ত্রণালয়ের ওয়েবসাইটে পাওয়া যাবে। উল্লেখ্য, ব্যাংক একাউন্ট অবশ্যই প্রকল্পের নামে হতে হবে।
- ৪। সংশ্লিষ্ট শিক্ষক/গবেষককে ‘প্রকল্প পরিচালক’ হিসেবে কাজ করার অনুমতি প্রদান করা হয়েছে মর্মে সংশ্লিষ্ট বিশ্ববিদ্যালয়ের উপাচার্য/বিভাগীয় চেয়ারম্যান/প্রতিষ্ঠান প্রধান প্রত্যয়নপত্র প্রদান করবেন। সংশ্লিষ্ট প্রকল্প পরিচালক উক্ত প্রত্যয়নপত্রের মূলকপি ও দুটি ফটোকপি বিলের সাথে সংযুক্ত করবেন। প্রত্যয়নপত্রের ফরমেট মন্ত্রণালয়ের ওয়েবসাইটে পাওয়া যাবে।
- ৫। গবেষকগণকে ৩০০/- টাকার নন-জুডিশিয়াল স্ট্যাম্প নির্ধারিত বাক্য সম্বলিত ‘অঙ্গীকারনামা’ বিলের সাথে প্রেরণ করতে হবে। ‘অঙ্গীকারনামা’ মন্ত্রণালয়ের ওয়েবসাইটে পাওয়া যাবে।
- ৬। বিল ফরমে ১০/- (দশ) টাকা মূল্যের রেভিনিউ স্ট্যাম্প আঠা দিয়ে লাগাতে হবে। প্রকল্প পরিচালকের নমুনা স্বাক্ষর ৩ (তিন) কপি বিলের সাথে সংযুক্ত করতে হবে। নমুনা স্বাক্ষরের ফরমেট মন্ত্রণালয়ের ওয়েবসাইটে পাওয়া যাবে।
- ৭। খামের উপর গুপের নাম, জিও’র ক্রমিক নং ও রেজিস্ট্রেশন নং আবশ্যিকভাবে উল্লেখ করতে হবে।
- ৮। প্রকল্প পরিচালক প্রকল্পের নির্ধারিত কাজে অর্থ ব্যয় করতে দায়িত্বশীল।
- ৯। পুঁজিদ্রব্য ক্রয় বা বিদেশ ভ্রমণ বা সম্মানী প্রদান খাতে অনুদানের অর্থ ব্যয় করা যাবে না।
- ১০। আগামী ২২/১০/২০২৩ খ্রি. তারিখের মধ্যে আবশ্যিকভাবে বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়ে বিল দাখিল করতে হবে। বিলের সাথে জিও’র কপি ও চাহিত অন্যান্য আনুষঙ্গিক কাগজপত্র সংযুক্ত করতে হবে।
- ১১। বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়ের সংশ্লিষ্ট শাখার কর্মকর্তা কর্তৃক প্রতিস্বাক্ষরিত বিল উপস্থাপনের মাধ্যমে আদেশে উল্লিখিত গবেষক/প্রকল্প পরিচালক অর্থ উত্তোলন করতে পারবেন।
- ১২। প্রকল্প পরিচালক প্রকল্প সমাপ্ত করে ৩০ জুন ২০২৪ খ্রি. তারিখের মধ্যে ১ (এক) সেট বিল-ভাউচারসহ খাতওয়ারি অর্থ ব্যয়ের প্রতিবেদন বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়ের সংশ্লিষ্ট অধিশাখায় দাখিল করতে হবে।
- ১৩। প্রকল্প সমাপ্তির প্রতিবেদন ইংরেজিতে প্রস্তুতপূর্বক জার্নালে প্রকাশ উপযোগী করে সফট কপি section12@most.gov.bd তে এবং ১ সেট হার্ড কপি বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়ের সংশ্লিষ্ট অধিশাখায় ৩০ জুলাই ২০২৪ খ্রি. তারিখের মধ্যে দাখিল করতে হবে।
- ১৪। অর্থ অব্যয়িত থাকলে ৩০/০৬/২০২৪ খ্রি. তারিখের মধ্যে নির্ধারিত কোডে চালানের মাধ্যমে সমপর্ণ করবেন।
- ১৫। চলতি ২০২৩-২০২৪ অর্থবছরে বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়ের বাজেট কোড নং- ১২০০০৫৫০০ গবেষণা কার্যক্রম খাতে বরাদ্দকৃত ২,৯১,৫০,০০০/- (দুই কোটি একানব্বই লক্ষ পঞ্চাশ হাজার) টাকা বিভাজনের উপখাত-৬ কোড নং-৩৬৩১১৯৯ ‘অন্যান্য অনুদান’ হতে এ ব্যয় মিটানো হবে।
- ১৬। অর্থ মন্ত্রণালয়ের ১৬/০৮/২০১৫ খ্রি. তারিখের ০৭.০০.০০০০.১৫১.২২.০০৩.১৫-৩৫১(১)সংখ্যক সরকারি আদেশে প্রদত্ত ক্ষমতা বলে এ আদেশ জারি করা হলো।

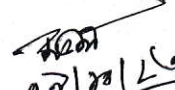

 (রতন কুমার মন্ডল)
 উপসচিব
 ফোনঃ ৯৫১৫৪৩৩

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নম্বর: ৩৯.০০.০০০০.০১২.০২.০০৯.২৩.১৫৯/১(৭)

তারিখ: ২৪ আশ্বিন ১৪৩০
০৯ অক্টোবর ২০২৩প্রয়োজনীয় কার্যার্থে অনুলিপিঃ

- ১। মাননীয় মন্ত্রীর একান্ত সচিব, বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা (মাননীয় মন্ত্রী মহোদয়ের সদয় অবগতির জন্য)।
- ২। সচিব মহোদয়ের একান্ত সচিব, বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা (সচিব মহোদয়ের সদয় অবগতির জন্য)।
- ৩। প্রকল্প পরিচালক/গবেষক.....।
- ৪। হিসাব রক্ষণ কর্মকর্তা, বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৫। প্রোগ্রামার, বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা (মন্ত্রণালয়ের ওয়েবসাইটে প্রকাশের অনুরোধসহ)।
- ৬। অতিরিক্ত সচিব (বিপ্র) মহোদয়ের ব্যক্তিগত কর্মকর্তা, বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৭। সশ্লিষ্ট নথি।


০৭/১০/২৩
(রতন কুমার মন্ডল)
উপসচিব