

# Accepted Projects under Grants for Advanced Research in Education

## Ministry of Education

### Session 2019-2020

Sl. no	PCN Number	Project Title	Applicant Informations & Co-Investigator
1	LS20191177	Methane emissions flux from the different woody components of the Sundarbans Mangrove Forest	<b>Applicants Information</b> Dr Md. Hasibur Rahaman Dept. of Environmental Science and Technology, Jashore University of Science and Technology, Jashore-7408 Jessore University of Science and Technology 01775482102 hasib.est@just.edu.bd
2	LS20191175	Validation of Frontal Assessment Battery for Acquired Brain Injury Patients in Bangladesh	<b>Applicants Information</b> Prof Parveen Huque Dept. of Clinical Psychology, Room no. 5017, , 4th Floor, Arts Building, Dhaka University 01715150144 phuque11@gmail.com
3	PS20191174	Enhancement of Mechanical Properties of Lightweight Magnesium Alloys for Automotive Sector	<b>Applicants Information</b> Dr Hossain Mohammad Mamun Al Rashed Dept. of MME, Old Academic Building, BUET, Dhaka 1000 Bangladesh University of Engineering & Technology (BUET), 01715037843 hrashed@mme.buet.ac.bd
4	LS20191170	Prevention of shrimp/prawn melanosis by medicinal plant extracts	<b>Applicants Information</b> Dr Md. Reazul Islam Associate Professor, Department of Fisheries Technology, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200 Hajee Mohammad Danesh Science and Technology University 01707076614 reazulftl@gmail.com

5	LS20191163	Improvement of sheep production in south-western coastal regions of Bangladesh through proper breeding and feeding techniques	<b>Applicants Information</b> Dr. SarderSafiqul Islam Professor, Agrotechnology Discipline, Life Science School, Khulna University, Khulna-9208 Khulna University 041-751095/ Cell Phone: 01712546305 sardersislam@ku.ac.bd
6	LS20191160	Application of hydroponic system for year round fodder crop production	<b>Applicants Information</b> Dr Md. Giush Uddin Ahmed Professor, Dept. of Agronomy & Agricultural Extension, University of Rajshahi, Rajshahi-6205 Rajshahi University, +88 01751475256 ahmedmgu@ru.ac.bd
7	LS20191152	Detection and molecular characterization of respiratory infections of commercial layer chickens in Bangladesh	<b>Applicants Information</b> Dr Mohammed Nooruzzaman Department of Pathology, Faculty of Veterinary Science, Bangladesh Agricultural University, Mymensingh 2202, Bangladesh Bangladesh Agricultural University +8801768594466 mohammed.nooruzzaman@bau.edu.bd
8	SS20191142	Pedestrian Vulnerable Road User Behavior related Accident in Dhaka City: A Critical Analysis from Psycho-social Perspectives	<b>Applicants Information</b> Prof ShamsulHoque Department of Civil Engineering, Bangladesh University of Engineering and Technology ( BUET), Dhaka-1000 01789172999 shoque@ce.buet.ac.bd
9	LS20191139	ENHANCED PRODUCTION OF PHYTASE FROM SELECTED BACTERIA TO BE USED AS DIGESTIVER AID IN POULTRY FEED IN BANGLADESH	<b>Applicants Information</b> Prof ShakilaNargis Khan Department of Microbiology, University of Dhaka, Dhaka 1000, Bangladesh 01817530043 shakila@du.ac.bd
10	LS20191138	Pathogenic variability and molecular characterization in F2 generation of Cochliobolussativus (S. Ito &Kurib)	<b>Applicants Information</b> Dr Mst. Sabiha Sultana Associate Professor, Agrotechnology Discipline, Khulna University, Khulna-9208. +8801922264339 hure_jannat888@yahoo.com

11	LS20191133	The in-vivo assessment of antidiabetic property of extract of leaves of <i>Gynuraprocumbens</i> in rats	<b>Applicants Information</b> Prof Dr. Md. Shah Amran Department of Pharmaceutical Chemistry, Faculty of Pharmacy Dhaka University 01532603359 amranms@du.ac.bd
12	SD20191126	Sustainable production of chitosan based nanofibrous bandages for treating burn wounds by electrospinning process	<b>Applicants Information</b> Dr. PapiyaHaque Department of Applied Chemistry and Chemical Engineering, University of Dhaka, Dhaka-1000, Bangladesh +880-1711448896, +880-1769131415 papiahq@du.ac.bd
13	LS20191125	Molecular characterization of virulence factor genes and plasmid typing of <i>Salmonella</i> sp. in avian Salmonellosis in Bangladesh	<b>Applicants Information</b> Prof Mohammad Ferdousur Rahman Khan Department of Microbiology and Hygiene, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh +8801717785674 frkhanbau80@yahoo.com
14	PS20191122	Taro carbon from taro stems: preparation, characterization and application for the determination of environmental pollutants	<b>Applicants Information</b> Dr A. J. Saleh Ahammad Associate Professor, Department of Chemistry, Jagannath University, Dhaka 1100, Bangladesh +880 2 9583794 (office), +880 1672218199 (mobile) ajsahammad@chem.jnu.ac.bd
15	LS20191118	Characterization of liver fluke <i>Fasciolagigantica</i> secreted extracellular vesicles and identification of immunogenic proteins	<b>Applicants Information</b> Prof MD Hasanuzzaman TALUKDER Department of Parasitology, BAU, Mymensingh Bangladesh Agricultural University +88 091 67401 63513 talukdermhasan@bau.edu.bd

16	LS20191117	Improving soil health and potato quality through biochar: A low cost climate smart practice for attaining poverty free sustainable development	<b>Applicants Information</b> Prof Dr.Tuhin Suvra Roy Department of Agronomy, Sher-e-Bangladesh Agricultural University, Sher-e-Bangla nagar, Dhaka-1207. 01710515090 tuhinsuvra2002@yahoo.com
17	LS20191108	Biocontrol of foot and root rot disease of betel vine by rhizobacteria	<b>Applicants Information</b> Prof Md. Motiur Rahman Department of Genetic Engineering and Biotechnology, 3rd Science Building, Level # 4, University of Rajshahi, Rajshahi-6205 880-721-711120, 01716077582 motiurgeb@gmail.com
18	MS20191106	Development of Bioinformatics Tools for NGS Based Big Data Analysis and Its Application to Identify Diseases Related Microbial Genes	<b>Applicants Information</b> Prof MD. NURUL HAQUE MOLLAH Head of Bioinformatics Lab. (Dry), Dept. of Statistics, Rajshahi University, Rajshahi-6205 01715319178 (Mobile), 0721-711557 (Office) mollah.stat.bio@ru.ac.bd, mnhmollah@yahoo.co
19	PS20191102	Preparation of Microcrystalline Cellulose (MCC) from waste cotton & papers, modification of different physiochemical properties of the prepared MCC to meet the specifications of United States Pharmacop	<b>Applicants Information</b> Prof Abu Asad Chowdhury University of Dhaka, Shahbag, Dhaka 1000, Bangladesh. Dhaka University +8801711075120 asaddg27@du.ac.bd
20	PS20191098	Far Surface Mounted Reinforcement for Flexural Strengthening of Reinforced Concrete Beam	<b>Applicants Information</b> Dr Mohammad Kamruzzaman Talukder Assistant Professor, Department of Civil Engineering, East West University, Dhaka 1212 East West University +8801703662787 mktalukder@ewubd.edu

21	LS20191091	Development of stinging catfish based carp polyculture in homestead ponds under drought prone area	<b>Applicants Information</b> Dr Md. Akhtar Hossain Professor, Department of Fisheries, Rajshahi university, Rajshahi-6205 Rajshahi University +88-0721-711117, +88-01711576135 mahfaa@yahoo.com
22	LS20191089	Investigation of antioxidative status and genetic variation of endogenous scavenger enzymes in Bangladeshi population with proliferative diabetic retinopathy.	<b>Applicants Information</b> Dr Sheikh Zahir Raihan Department of Clinical Pharmacy and Pharmacology, University of Dhaka, Dhaka-1000. Dhaka University 9661920 (8156); 01782888039 sheikhzahir@du.ac.bd
23	LS20191088	Isolation, Characterization, Purification and Heterologous Expression of Proteases Enzyme for Pretreatment of Industrial Residues from Leather Industry for Biogas Production.	<b>Applicants Information</b> Mr MdEkhlas Uddin Dept. of Biochemistry and Molecular Biology, GonoBishwabidyalay, Savar, Dhaka-1344, Bangladesh  GonoBishwabidyalay 01633393179 ekhlasbt03@gmail.com
24	PS20191087	Investigation of groundwater quality characteristics and health risk assessment of Bagerhat District, Bangladesh.	<b>Applicants Information</b> Dr Dhiman Roy Department of Geology and Mining, University of Barishal, Kornokatho-Patuakhali Highway, Barishal-8200 Barisal University 1779246902 dhimans14@yahoo.com

25	PS20191086	Development of Ecofriendly Leather Processing using Ultrasound Technique	<b>Applicants Information</b> Prof Md. ZahangirAlam Department of Applied Chemistry and Chemical Engineering, University of Dhaka, Dhaka 1000 +88029661900/7381, 01711577225 zahangir@du.ac.bd
26	LS20191077	Bio-rational management of major pests of litchi (Litchi chinensis)	<b>Applicants Information</b> Dr Md. Abdul Alim Professor, Department of Entomology, HSTU, Dinajpur Hajee Mohammad Danesh Science and Technology University +8801714062618 alim@hstu.ac.bd ; alimtasfi@gmail.com
27	PS20191074	Development of a polymeric nano-carrier for anti-obesity drug delivery system	<b>Applicants Information</b> Prof Dr. Al-Nakib Chowdhury Department of Chemistry, Bangladesh University of Engineering and Technology (BUET), Dhaka Bangladesh University of Engineering & Technology (BUET) 01716620026 nakib@chem.buet.ac.bd
28	LS20191071	Development, formulation, Standardization and commercialization of value added bakery and pulse products incorporating wheat grass	<b>Applicants Information</b> Dr AnwaraAkterKhatun Department of Food Science and Nutrition, Hajee Mohammad Danesh Science & Technology University, Dinajpur-5200, Bangladesh Hajee Mohammad Danesh Science and Technology University 01819916755 anwarakhatun@gmail.com
29	SD20191067	Study on Plastic Pollution and Associated Impacts on Marine life, Human health and the Environment	<b>Applicants Information</b> Prof Mohammad Shoeb Department of Chemistry, University of Dhaka, Dhaka-1000, Bangladesh Dhaka University +8801715191988 shoeb71@yahoo.com; shoeb@du.ac.bd

30	LS20191066	Studies on veterinary antibiotic residues and resistance in farm produces to ensure safe and quality food of animal origin; a safe food concern	<p><b>Applicants Information</b></p> <p>Dr K. B. M. Saiful Islam  Department of Medicine and Public Health,  Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar  01711120108  vetkbm@yahoo.com</p>
31	LS20191063	Effect of Rhizospheremicrobiome on different crop growing fields in different rice cultivars and its molecular approaches for sustainable agroecosystem	<p><b>Applicants Information</b></p> <p>Prof Md. Asadul Islam  Department of Genetic Engineering and Biotechnology, University of Rajshahi, Rajshahi-6205,  Bangladesh  Rajshahi University  +8801723694067  asadgen@ru.ac.bd</p>
32	LS20191060	In-Vitro culture of Bovine embryo	<p><b>Applicants Information</b></p> <p>Dr Lam Yea Asad  Associate Professor, Department of Animal Nutrition, Genetics and Breeding, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka 1207  Sher- E- Bangla Agricultural University  01716902084  lamyea_sau@yahoo.com</p>
33	PS20191059	Label free detection of cancer biomarker through highly sensitive evanescent wave absorbance-based fiber-optic biosensor	<p><b>Applicants Information</b></p> <p>Dr Tanzilur Rahman  Room No: SAC 1022, 10th Floor, Department of Electrical and Electronic Engineering, Plot 15, Block B, Kuril-NSU RD, Dhaka-1229  North South University  01879462452  tanzilur.rahman@northsouth.edu</p>

34	SD20191058	Up-scaling of black pepper ( <i>Piper nigrum</i> ) based homestead agroforestry for poverty reduction of rural people in Sylhet region	<b>Applicants Information</b> Mohammad Samiul Ahsan Talucder Associate Profesor Department of Agroforestry & Environmental Science Sylhet Agricultural University 01711974124 talucdermsa.aes@sau.ac.bd
35	MS20191055	Developing Mathematical Algorithms and Softwares for the Model Reduction of Large-Scale Dynamical Systems.	<b>Applicants Information</b> Dr Mohammad Monir Uddin Department of Mathematics and Physics, SAC 1025, North South University, Bashundhara, Dhaka North South University 0255668200 Ext: 6212 (office) 01823600151 (mobile) monir.uddin@northsouth.edu
36	MS20191054	Simulation of Pollutant Dispersion in Urban Areas with Three Dimensional Building Arrays in the City of Dhaka	<b>Applicants Information</b> Dr Md. Mamun Molla Department of Mathematics & Physics, Bashundhara, Dhaka-1229, Bangladesh North South University 01748037172 mamun.molla@northsouth.edu



37	LS20191051	Antibiotics, antibiotic resistant bacteria and resistance genes in fish and shrimp aquaculture of Bangladesh	<p><b>Applicants Information</b></p> <p>Dr Anwar Hossain  Department of Fisheries, University of Dhaka, Dhaka-1000.  Dhaka University  01972198680  ahossain@du.ac.bd</p>
38	LS20191050	Epidemiological investigation and chronic toxicity of Arsenic poisoning in domestic animal in North Western Bangladesh	<p><b>Applicants Information</b></p> <p>Dr S.M Kamruzzaman  Department of Veterinary and animal sciences  Rajshahi University  01753222539  drsazadru@yahoo.com</p>
39	SD20191046	Measurement of Ecological Footprint Account and Biocapacity to Achieve the Sustainable Development Goals: A Study at the Haor Basin of Northeastern Region of Bangladesh	<p><b>Applicants Information</b></p> <p>Mr Md. Mueyed Hasan  Department of Geography and Environment, Shahjalal University of Science &amp; Technology, Sylhet-3114  Shahjalal University of Science and Technology  +8801686580014  mueyedhasan@gmail.com</p>

40	LS20191044	Edibility, nutritional quality and antioxidant activity of the selected species of edible bivalve mollusk from the estuarine ecosystem of Bangladesh	<b>Applicants Information</b> Dr Md. Mostafizur Rahman Mondol Professor, Department of Fisheries, University of Rajshahi, Rajshahi -6205. Rajshahi University 0721-711117; Mobile: 01712-581153 mostafiz_bau@yahoo.com
41	PS20191039	Investigation of nanoparticles-induced shape change and pore formation in the lipid membranes of vesicles for antibacterial application	<b>Applicants Information</b> Dr Mohammad Abu SayemKara Associate Professor, Department of Physics Bangladesh University of Engineering & Technology (BUET) 9665613 (off), 01712863844 asayem221@phy.buet.ac.bd
42	LS20191030	Therapeutic Effects of Probiotics on Clinical and Sub-clinical Mastitis	<b>Applicants Information</b> Prof Dr. Abdul Ahad Department of Microbiology and Veterinary Public Health, Chattogram Veterinary and Animal Sciences University, Khulshi-4225, Chattogram, Bangladesh. Chittagong Veterinary and Animal Sciences University (CVASU) +8801552456759 abdul@cvasu.ac.bd
43	LS20191029	Development of oilseed Brassica genotypes resistant to Alternaria blight through accelerated genetic gain	<b>Applicants Information</b> Prof ArifHasan Khan Robin Department of Genetics and Plant Breeding, Bangladesh Agricultural University, Mymensingh Bangladesh Agricultural University +8801714239469 gpb21bau@bau.edu.bd
44	SD20191028	Climate Change Impact on Mixed Agro-Livestock Smallholders: Employing Livelihood Vulnerability Index in Drought-prone Bangladesh	<b>Applicants Information</b> Dr Md. Mostafizur Rahman Professor, Dept. of Agronomy & Agricultural Extension, University of Rajshahi, Rajshahi-6205 Rajshahi University (+88) 01715463770 kp@ru.ac.bd

45	PS20191023	Synthesis and Characterization of Zinc Oxide Nano Particles from plant extract an ecofriendly approach	<p><b>Applicants Information</b></p> <p>Dr Royhan Uddin Associate Professor, Department of Chemistry, Comilla University, +8801711987334 royhanbau@cou.ac.bd</p>
46	PS20191017	Synthesis of MoS <sub>2</sub> incorporated GaFeO <sub>3</sub> nanocomposites and investigation of their structural and magnetoresistive properties along with photocatalytic dye degradation and hydrogen production ability	<p><b>Applicants Information</b></p> <p>Prof Mohammed Abdul Basith Department of Physics, Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, 01552428068 01726341171, m.basith75@gmail.com mabasith@phy.buet.ac.bd</p>
47	LS20191016	Impacts of Conservation Actions on Fish Biodiversity and Revision of Conservation Strategy in the Context of Climate Change and Blue Economy	<p><b>Applicants Information</b></p> <p>Prof Md. Monirul Islam Department of Fisheries, Dhaka University, +8801716363505 monirulislam153@yahoo.com</p>
48	SD20191014	Environmental Governance for Achieving Sustainable Development Goals in Bangladesh: Assessing the Initiatives of City Governance Institutions under 7th Five Year Plan	<p><b>Applicants Information</b></p> <p>Dr A. K. M. Mahmudul Haque Associate Professor, Department of Political Science, University of Rajshahi, Rajshahi. +8801716188401 akmmahmudul@ru.ac.bd</p>
49	LS20191012	Behavior of cadmium in saline soils of southwest coastal Bangladesh and alleviation of its toxicity by the application of selected organic materials	<p><b>Applicants Information</b></p> <p>Prof Mohammad Zaber Hossain Professor, Soil, Water and Environment Discipline, Khulna University, Khulna +88 01911799229 zaberhossain74@yahoo.com</p>

50	LS20191009	Screening and molecular diagnosis of thalassemia carrier among fresher students of Jahangirnagar University: A pilot program	<p><b>Applicants Information</b></p> <p>Prof Dr. Md. Ibrahim Khalil  Department of Biochemistry and Molecular Biology, Jahangirnagar University, 1723919111  drmikhailil@gmail.com or drmikhailil@juniv.edu</p>
51	SS20191008	Improving the Process of Inclusive Education for Autistic Children in Mainstream Schools of Bangladesh.	<p><b>Applicants Information</b></p> <p>Ms Rabeya Khatun  Assistant Professor, Department of Anthropology, Comilla University, Cumilla-  +880-1711-461605.  rabeyarabu83@gmail.com</p>
52	LS20191007	Reduction of Cadmium uptake in rice by cultivar selection and lowering its bioavailability in agricultural soil by application of selected organic materials	<p><b>Applicants Information</b></p> <p>Prof Khandoker Qudrata Kibria  Professor, Soil, Water and Environment Discipline, Khulna University, Khulna 9208, +88  01789441882  kibriaku@yahoo.com</p>
53	LS20191003	Exploration, documentation and nutritional analysis of traditional ethnic fruit diversity of Chittagong Hill Tracts- an approach to additional fruit source for Bangladesh •	<p><b>Applicants Information</b></p> <p>Dr MOHAMMAD MAHFUZUR RAHMAN  Department of Botany, Jahangirnagar University, Savar, Dhaka-1342  01818 339614, 01879625889  mmrahman1518@gmail.com</p>
54	PS20191001	Designing water-based adhesives from polyampholyte system	<p><b>Applicants Information</b></p> <p>Dr Chanchal Kumar Roy  Department of Chemistry, Bangladesh University of Engineering and Technology (BUET), Dhaka,  88-01716507085  ckroy@chem.buet.ac.bd</p>

55	LS2019996	Biofloc Technology in Aquaculture: Enhancing Higher Productivity, Higher Income and Support Sustainable Development Goals	<p><b>Applicants Information</b></p> <p>Dr Nirmal Roy  Professor, Department of Fish Biology and Genetics, Faculty of Fisheries, Sylhet Agricultural University, Sylhet-3100  01712170930, ncroy.sau@gmail.com</p>
56	SS2019994	Assessment of Institutional Network Structure in Disaster Risk Reduction in Coastal Bangladesh	<p><b>Applicants Information</b></p> <p>Prof Md. Nasif Ahsan  Economics Discipline, Khulna University-019-1406-6224  nasif.ahsan@econ.ku.ac.bd</p>
57	LS2019991	Establishment of semen bank and AI for speed up of goat production with increased genetic merit	<p><b>Applicants Information</b></p> <p>Prof Azizunnesa Rekha  Department of Medicine and Surgery, Chittagong Veterinary and Animal Sciences University , Chottogram  01925162330, 01716955099  msrekha04@yahoo.com</p>
58	LS2019990	Characterization of Pathogenic Microorganisms of Citrus with Their Antagonistic Management	<p><b>Applicants Information</b></p> <p>Dr Rashed Zaman  Dept. of Genetic Engineering and Biotechnology, University of Rajshahi, Rajshahi-6205,, +880 1712 026541  rashedzaman@ru.ac.bd</p>

59	LS2019989	Determination of the minimum concentration of each antibiotic, heavy metals and metals for emergence of the antibiotic resistance superbug bacteria.	<b>Applicants Information</b> Dr MD Mohasin Department of Biochemistry and Molecular Biology, University of Dhaka 01778138215 mohasin@du.ac.bd
60	LS2019987	Prolonging Shelf Life and Reducing Post-harvest Losses of Strawberry by Using Packaging Materials and Precooling Approaches	<b>Applicants Information</b> Mr Prosanta Kumar Dash Assistant Professor, Agrotechnology Discipline, Life Science School, Khulna-01719032825 prosanta05@ufl.edu
61	LS2019986	Genotypic and in vivo assessment of environmental Escherichia coli isolates as a potential vaccine against Shigellosis.	<b>Applicants Information</b> Dr Selina Akter Department of Microbiology, Room 413, BSM Academic Building 8801740927373 s.akter@just.edu.bd
62	LS2019983	Feasibility study of Post Larvae (PL) Production of Giant Freshwater Prawn in Earthen Pond	<b>Applicants Information</b> Dr Md. Nazmul Ahsan Professor, Fisheries and Marine Resource Technology (FMRT) Discipline, Khulna University, Khulna 9208 +8801712248038 nazmul_ku@yahoo.com
63	LS2019982	Isolation, Biomolecular Characterization and Mass Production of Salt-tolerant, Phosphate-solubilizing Bacteria and Its Utilization in Crop Production in Coastal Bangladesh	<b>Applicants Information</b> Prof. Sheikh Julfikar Hossain Biotechnology and Genetic Engineering Discipline, Khulna University, Khulna 01732718009 sjhossainbgeku@gmail.com; sjhossain_ku@yahoo.com

64	LS2019979	Prevention of Breast Cancer with Natural Compounds from <i>Tridax procumbens</i> : Bangladesh Perspective	<p><b>Applicants Information</b></p> <p>Prof. Dr. Md. Abdullah Al Mamun Department of Genetic Engineering and Biotechnology, Shahjalal University of Science and Technology, Sylhet-3114, +8801714516919, mssohel@yahoo.com</p>
65	PS2019976	Preparation of inorganic/organic hybrid composite particles for application as energy storage materials	<p><b>Applicants Information</b></p> <p>Prof Hasan Ahmad Department of Chemsitry, Rajshahi University, , Rajshahi 6205, Bangladesh 01716389382 samarhass@yahoo.com</p>
66	LS2019975	Broodstock development, induced breeding and cryogenic gene banking of critically endangered indigenous Mohashol Tor tor	<p><b>Applicants Information</b></p> <p>Prof Md. Rafiqul Islam Sarder Department of Fisheries Biology and Genetics, Bangladesh Agricultural University, Mymensingh 01712015908 rafiquisarder@yahoo.com</p> <p><b>Co-investigators Information</b></p> <p>Prof Md. Ahsan Bin Habib Department of Aquaculture, Bangladesh Agricultural University, Mymensingh 01711373207 ahsanmphd@yahoo.com</p>
67	SD2019972	Domain wall dynamics in magnetic nanowire under thermal gradient	<p><b>Applicants Information</b></p> <p>Dr Torikul islam Physics discipline, Room 3488, Kabi Jibanananda Das Academic Building (3rdAcademic Building), Khulna University, Khulna-9208., 01767277654 torikul@phy.ku.ac.bd</p>

68	SD2019967	Food safety issues: antimicrobial uses and their residues in foods of animal origin	<p><b>Applicants Information</b></p> <p>Prof Mohammad Mahmudul Hassan  Department of Physiology, Biochemistry and Pharmacology, FVM, CVASU  +8801554326951  miladhasan@cvasu.ac.bd</p>
69	LS2019964	Molecular characterization of the fungal pathogens in dragon fruit plants and its eco-friendly conservation	<p><b>Applicants Information</b></p> <p>Professor Dr. Md. Nuhu Alam  Laboratory of Mycology and Plant Pathology, Department of Botany, Jahangirnagar University, Savar, Dhaka-  +880-1711-462417  mnabotju@yahoo.com; mnabotju@gmail.com</p>
70	LS2019959	Efficacy, Phytotoxicity and Economics of Commonly Used Herbicides under Different Rice Establishment Methods	<p><b>Applicants Information</b></p> <p>Dr A K M Mominul Islam  Department of Agronomy, Bangladesh Agricultural University, Mymensingh-2202  +8801718512082  akmmominulislam@bau.edu.bd</p>
71	LS2019956	Antibacterial activity of flavonoids to enhance the sustainability of commercial drugs against antibiotic resistant bacterial isolates	<p><b>Applicants Information</b></p> <p>Dr Ahsan Habib  Biotechnology and Genetic Engineering Discipline, Khulna University, Khulna-+8801770058070,  ahsan.bge@gmail.com</p>



72	LS2019953	Development of Digitally Accessible Poultry Feed Formulation Package for Small-scale Feed Producers	<b>Applicants Information</b> Dr Md. Shahidur Rahman Department of Poultry Science, Bangladesh Agricultural University (BAU), Mymensingh 01700636155 msrahman.poultry@bau.edu.bd
73	PS2019949	Electrochemical Conversion of Carbon dioxide (CO <sub>2</sub> ) into Useful Chemicals and Electricity	<b>Applicants Information</b> Prof Dr. Md.Kamrul Alam Khan Department of Physics, Jagannath University,Dhaka, +8801911357447 kakhan01@yahoo.com
74	LS2019947	Study on Epidemiology and Pathogenicity of Viral Diseases of Poultry by ELISA and Immunohistochemistry in the Barind Tract	<b>Applicants Information</b> Dr Md. Golbar Hossain Associate Professor, Department of Veterinary and Animal Sciences, Rajshahi University, Rajshahi-6206 +88 01768 496589 hossainmg88ru@yahoo.com
75	LS2019946	Quantification of Antimicrobial Resistant Bacteria in Faecal Samples from Poultry via Electrochemistry	<b>Applicants Information</b> Dr Md. Hakimul Haque Dept. of Veterinary and Animal Sciences, Faculty of Agriculture, Rajshahi University, 01761002722 hakim.ahvs@ru.ac.bd
76	LS2019944	Occurrence of multidrug resistant bacteria in agricultural soil and its potential impact on raw vegetables	<b>Applicants Information</b> Prof Dr. FARZANA NEELA Department of Botany, Rajshahi University, Rajshahi-6205 Department of Botany, Rajshahi University, Rajshahi-6205 nfarzanaashrafi@yahoo.com

77	LS2019943	Screening of High Capsaicin Rich and High Yielding Hot Chilli Genotypes for Future Varietal Improvement	<p><b>Applicants Information</b></p> <p>Prof Dr. Md. Mokter Hossain  Department of Horticulture, Bangladesh Agricultural University, Mymensingh-01748020966  mokter.agr@bau.edu.bd</p>
78	LS2019942	Development of cotton-based agroforestry model for farmers livelihood improvement in the Charland areas of Bangladesh	<p><b>Applicants Information</b></p> <p>Mr Mohammad Kamrul Hasan  Associate Professor, Department of Agroforestry, BAU, Mymensingh-2202  +8801718761917  mkhasanaf@bau.edu.bd</p>
79	LS2019937	Intestinal alkaline phosphatase deficiency and metabolic diseases	<p><b>Applicants Information</b></p> <p>Prof Madhu Malo  Diabetic Association of Bangladesh (DAB) BIRDEM (1st Floor), Room No. 240 122 Kazi Nazrul Islam Avenue, Shahbagh, Dhaka-  0181-377-3204, 0171-002-3456  madhumalo@hotmail.com; maloms@hotmail.com</p>
80	LS2019935	Analysis of the prevalence of emerging carbapenemases in the clinical samples of Bangladesh	<p><b>Applicants Information</b></p> <p>Dr Md Mizanur Rahaman  Department of Microbiology, Science Complex, University of Dhaka, Dhaka  +8801796585290, razu002@du.ac.bd</p>

81	SD2019931	Development of a mathematical model to calculate optimized distance between furrows in raised bed water saving techniques for rice and non-rice crops cultivation	<b>Applicants Information</b> Dr A.K.M. Adham Professor, Department of Irrigation and Water Management, Bangladesh Agricultural University, Mymensingh-+8801712634374 adhamiwm@gmail.com
82	PS2019928	Development and standardization of processes for value added Beet Roots products commercialization	<b>Applicants Information</b> Prof Bellal Hossain Nutrition and Food Engineering, Daffodil Tower, 4/2, Sobhanbagh, Mirpur Road, Daffodil International University 01680378493 headnfe@daffodilvarsity.edu.bd
83	SD2019926	Extraction, Process Optimization and grading of Agar wood oil for commercial exploitation.	<b>Applicants Information</b> Dr Aziz Mohammad Gulzarul Department of Food Technology & Rural Industries, Bangladesh Agricultural University, Mymensingh 01631748866 aziz_ftri@bau.edu.bd
84	LS2019925	Chronic exposure of drugs residues to human health through meat, milk, egg and poultry products & byproducts: A long term exposure of drugs residues study in laboratory animals to establish the legisl	<b>Applicants Information</b> Prof MD. ISLAM Department of Pharmacology, Bangladesh Agricultural University Mymensingh, 01733980575 shafiqpharma@yahoo.co.uk
85	LS2019920	Molecular characterization of growth hormone genes and selection of fast growing stinging catfish ( <i>Heteropneustes fossilis</i> , Bloch) by marker assisted selection	<b>Applicants Information</b> Dr Md. Samsul Alam Department of Fisheries Biology and Genetics Bangladesh Agricultural University +8801727163054 samsul.alam@bau.edu.bd

86	LS2019914	Isolation and Characterization of Actinomycetes from Marine Coastal Sediments of the Sundarbans for Potential Bioactive Compounds.	<b>Applicants Information</b> Prof S. M. Mahbubur Rahman Biotechnology and Genetic Engineering Discipline, Khulna University, Khulna-9208 +880-1711131573 manmr2003@yahoo.com
87	LS2019910	Determination and mitigation of microbial and chemical contaminants (heavy metals) in poultry meat, egg, farm milk, milk products and farm fishes along with their sources (animal feed, soil and water)	<b>Applicants Information</b> Dr Rasheda Shilpi Professor, Department of Botany, Jahangirnagar University, Savar, Dhaka -01741405522 shilpi.rasheda@gmail.com
88	PS2019909	Nanotechnology for high performance smart leather production system	<b>Applicants Information</b> Dr. MD. ABDULLA-AL-MAMUN University of Dhaka, Institute of Leather Engineering and Technology, 44-50 Hazaribagh, Dhaka-1209 +880-9613728, Cell: +88-01764198278 mamun.ilet@du.ac.bd
89	LS2019899	Phytodesalination of saline soil using halophytes for sustainable crop production in salinity prone coastal areas of Bangladesh	<b>Applicants Information</b> Dr Md. Shariful Islam Professor, Department of Agricultural Chemistry, Patuakhali Science and Technology University, Dumki, Patuakhali-8602, 01721084073 sharifulpstu@yahoo.com
90	LS2019892	Population Structuring of Endangered Loach (Botia dario) and Butter Catfish (Ompok pabda) in Bangladesh: An Initiative to Identify Local Conservation Units	<b>Applicants Information</b> Prof M Niamul Naser Department of Zoology, University of Dhaka. 01711707217 mnnaser@du.ac.bd

91	LS2019891	Ecology and conservation of Northern Pig-tailed Macaque at Satchari National Park of Hobiganj District in Bangladesh	<b>Applicants Information</b> Dr Habibon Naher Assistant Professor, Department of Zoology, Jagannath University, Dhaka 01911244690, 01716209909 likhi.habibon@gmail.com
92	LS2019883	Evaluation of hypoglycemic and hypolipidemic potential of Jackfruit seed flour supplementation in diets: an approach to achieve sustainable food security	<b>Applicants Information</b> Dr Chayon Goswami Department of Biochemistry and Molecular Biology, Bangladesh Agricultural University, Mymensingh +8801752307055 chayon.goswami@bau.edu.bd
93	LS2019879	Early Prediction of cardiovascular disease through study of PCSK9, ABCA1, CETP gene mutation in Bangladeshi population	<b>Applicants Information</b> Prof Kazi Md Faisal Hoque Department of Genetic Engineering and Biotechnology, Molecular Biology and Protein Science Lab, Rajshahi University 01711902606 faisal.geb@ru.ac.bd
94	LS2019878	Isolation and evaluation of biofilm producing endophytic microorganisms with potential application for biological control of Magnaporthe oryzae in rice	<b>Applicants Information</b> Dr Md. Motaher Hossain Associate Professor Department of Plant Pathology, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur 01917043506 hossainmm@bsmrau.edu.bd
95	SS2019871	Traffic congestion is a big challenge for Dhaka City? : Analysis from Stakeholders Perspectives	<b>Applicants Information</b> Prof Farida Akhter Khanam Department of Sociology, Jagannath University (JNU), Dhaka-1100 01712802682 faridakhanam64@yahoo.com

96	SS2019869	Effect of intervention aimed at increasing nutrition knowledge, physical activity and fruit and vegetable consumption among children in Bangladesh: a primary school-based randomized controlled trial	<b>Applicants Information</b>  Prof Md. Nuruzzaman Haque Department of Population Science and Human Resource Development, University of Rajshahi, Rajshahi-6205 01556621599 nzaman_pop@ru.ac.bd
97	LS2019862	Identification of pure Red junglefowl (Gallus gallus) populations by molecular studies and ex-situ conservation as the native genetic resource of Bangladesh	<b>Applicants Information</b>  Dr Md. Hosne Mobarak Department of Genetics and Animal Breeding, HSTU, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200 01744326679 gab2018@hstu.ac.bd
98	LS2019861	Development of insect biorefinery: a green approach for conversion of organic wastes into livestock feed and biofuels	<b>Applicants Information</b>  Prof Md. Golam Mostafa Department of Zoology, Jahangirnagar University, Savar, Dhaka-1342 01956473526 bdmostafa@gmail.com; bdmostafa@yahoo.com
99	LS2019859	Survey, identification, characterization, mechanisms of herbicide resistant weeds and diverse approaches for their management in Bangladesh	<b>Applicants Information</b>  Dr Md. Romij Uddin Professor, Department of Agronomy, Bangladesh Agricultural University, Mymensingh, 091-67401 ext. 64119 romijagron@bau.edu.bd
100	LS2019858	Novel bioactive peptides sequencing by LC-MS/MS from protease treated rice bran subsequently bio-informatics and animal experiment for healthful use	<b>Applicants Information</b>  Dr Md. Alauddin Department of Nutrition and Food Technology, University of Science and Technology, Jessore-7408, Bangladesh 8801717061127 mdalauddin1181@gmail.com

101	LS2019856	Development of nanomaterial mediated feed for improving growth and immunity of poultry	<b>Applicants Information</b> Prof Dr. Md. Jahangir Alam Department of Agronomy & Agricultural Extension , University of Rajshahi-6205. 01716587448 jahangir9392004@yahoo.com
102	LS2019853	Genomic Imprints for Identifying Candidate Genes Involved with Specific Disease Resistance in Tiger Shrimp (Penaeus monodon)	<b>Applicants Information</b> Dr Md Lifat Rahi Associate Professor, Fisheries and Marine Resource Technology (FMRT) Discipline, Khulna University, Khulna-9208, +8801796875647 lifatrahi@gmail.com
103	LS2019851	Diversity of Herpetofauna of Bangladesh and their DNA Barcoding: A climate change effects on Herpetofauna Genomics	<b>Applicants Information</b> Prof Dr. Md. Mosharrof Hossain Department of Zoology, University of Rajshahi, Rajshahi-6205 +8801712151498 mshzool@yahoo.com
104	LS2019847	Mechanistic basis of cadmium stress tolerance in rice	<b>Applicants Information</b> Dr Ahmad Humayan Kabir Department of Botany, University of Rajshahi 01717134836 ahmad.kabir@ru.ac.bd
105	SD2019846	Decarboxylation of Frying Oil for Production of Liquid Transportation Fuel	<b>Applicants Information</b> Dr Md Zakir Hossain Associate Professor, Dept. of Chemical Engineering & Polymer Science, Shahjalal University of Science & Technology, Sylhet 3114, Bangladesh +8801730205001 zakir-cep@sust.edu, mzhbd1979@gmail.com

106	SD2019841	Development of Efficient Electrochemical Sensor Based on Metal Oxide Semiconductor Nanoparticles for Environmental Monitoring	<p><b>Applicants Information</b></p> <p>Dr Md. Tamez Uddin  Department of Chemical Engineering and Polymer Science, Shahjalal University of Science and Technology, 3114-Sylhet  +8801798699800  mtuddin_cep@yahoo.com</p>
107	SD2019840	Catalytic transformation of CO2 into renewable fuel	<p><b>Applicants Information</b></p> <p>Dr Md Aminul Islam  Department of Petroleum and Mining Engineering, Jessore University of Science and T echnology , Jessore-7408, +8801797258131  aminul03211@yahoo.com</p>
108	LS2018836	Selenium biofortification of crops to improve crop quality and human nutrition	<p><b>Applicants Information</b></p> <p>Dr Md Tanvir Ahmed Chowdhury  Department of Soil, Water and Environment  Dhaka University  01912057535  mta.chowdhury@du.ac.bd</p>
109	LS2018832	Production of fermented rice bran in rice mill as value added feed ingredient for poultry	<p><b>Applicants Information</b></p> <p>Prof Dr. Khan Md. Shaiful ISLAM  Department of Animal Nutrition, Bangladesh Agricultural University, Mymensingh-2202,  01715226510  kmsislam1@yahoo.com</p>
110	PS2018828	SUPPLY OF SUSTAINABLE RENEWABLE ENERGY THROUGH SOLAR-BIOGAS HYBRID SYSTEM IN NON-URBANIZED AREAS	<p><b>Applicants Information</b></p> <p>Dr Muhammad Rashed Al Mamun  Associate Professor, Department of Farm Power and Machinery, Faculty of Agricultural Engineering and Technology, Sylhet Agricultural University, Sylhet-+88-01756-878791;+88-01913-323845  rashed.fpm@sau.ac.bd</p>



111	LS2018826	Creation of Variants and Selection of Resistant Rice Genotype(s) against Blast (Magnaporthe oryzae) Disease through Mutation Breeding	<b>Applicants Information</b> Dr. Md. Monirul Islam Professor, Agrotechnology Discipline, Khulna University, Khulna-9208, +8801741745787 moniratku@gmail.com
112	LS2018824	Monitoring of dengue vector(s) and develop early warning surveillance system to recommend the sustainable dengue prevention strategies for Bangladesh	<b>Applicants Information</b> Prof Kabirul Bashar DNA Barcoding laboratory, Department of Zoology, Faculty of Biological Sciences, Jahangirnagar University +8801711130312 or +8801971130312 bkabirul@juniv.edu
113	LS2018822	ANTIBIOTIC RESISTANCE PREVENTION USING LIPOSOMAL NANO DRUG DELIVERY SYSTEM OF EPIGALLOCATECHIN GALLATE (EGCG)	<b>Applicants Information</b> Dr Mohammad Shariare Associate Professor, Department of Pharmaceutical sciences, North South University, Bashundhara , Dhaka -1229 , +8801716620012 (cell) mohammad.shariare@northsouth.edu
114	LS2018819	Molecular mechanism of arsenic induced diabetes and potential remedies	<b>Applicants Information</b> Dr Abu Ashfaqur Sajib Department of Genetic Engineering and Biotechnology,5th floor, Science Complex Building, University of Dhaka +88-01981 910626 abu.sajib@du.ac.bd
115	LS2018818	Use of Seaweed for Ruminant Nutrition	<b>Applicants Information</b> Prof Abu Selim Professor, Department of Animal Science & Nutrition, Faculty of Veterinary Medicine and Animal Science, BSMRAU, Gazipur-1706. 8801718370722 asmselim@bsmrau.edu.bd

116	SD2018817	Assessment of heavy metal pollution by industrial effluent discharge	<p><b>Applicants Information</b></p> <p>Mr Md. Shirajul Sarkar  Department of Fisheries Technology, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur- 1706  Mobile: +8801795982613, +8801676243597  sislam@bsmrau.edu.bd, md.shirajulislamtutul@yahoo.com</p>
117	LS2018815	A COMPARATIVE MICROBIOLOGICAL STUDY ON CAFETERIA FAST FOODS OF GOVERNMENTAL AND NON-GOVERNMENTAL HOSPITALS IN DHAKA CITY ALONG WITH THEIR MULTIDRUG RESISTANCE PROPERTY	<p><b>Applicants Information</b></p> <p>Prof Sharmin Rumi Alim  Institute of Nutrition and Food Science  Dhaka University  +8801711687516  rumialim@yahoo.com</p>
118	SD2018813	Detection and Isolation of Surfactant Producing Microbes from Polluted Sites of the River Buriganga	<p><b>Applicants Information</b></p> <p>Dr Dilara Sharif  Department of Genetic Engineering and Biotechnology  Jagannath University, Dhaka, Bangladesh  88-02-9534390  dilara.sharif@gmail.com</p>
119	LS2018812	Development of Sediments Quality Triad (SQT) for the comprehensive evaluation of the toxicity of sediments of the River Burigonga and its two linked rivers (Dhaleswari and Turag): An approach to ident	<p><b>Applicants Information</b></p> <p>Dr Md. Baki Billah  Associate Professor, Department of Zoology, Jahangirnagar University, Savar, Dhaka-1342  +8801756499600/01915105323  bakibillah29@gmail.com</p>
120	LS2018807	Screening and characterization of health promoting lactic acid bacteria from the available fermented milk in the market of Bangladesh: an approach against the inappropriate labeling of the products wi	<p><b>Applicants Information</b></p> <p>Prof Mohammad Shohel Rana Siddiki  Department of Dairy Science, Bangladesh Agricultural University, Mymensingh  +88 01718-158133  mrsiddiki@bau.edu.bd</p>

121	SS2018803	Marginalization and Discrimination in Education: Situation Analysis of the Ethnic Minority Groups in Barind Region of Bangladesh	<b>Applicants Information</b> Dr Shaila Sharmeen Professor, Department of Anthropology, University of Dhaka, Dhaka-1000 01738879700 shaila_1976@yahoo.com
122	SS2018800	Study on teaching learning approaches and student assessment implementing quality education in secondary schools of Bangladesh	<b>Applicants Information</b> Prof Dr. Md. Abdul Awal Khan Institute of Education and Research (IER), University of Dhaka 8801711005757 mzinnah@du.ac.bd
123	SS2018798	Study on the persuade of environmental factors and multiplicity in crop management practices on the technical efficiency of wheat growers in three different locations of Bangladesh	<b>Applicants Information</b> Dr A.T.M.Rezaul Hoque Professor, Department of Economics and Dean, Faculty of Social Science and Humanities, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200, +88-01712915251 luizareza@yahoo.com
124	LS2018797	Experimental and modeling approach of maize yield and water productivity under deficit irrigation	<b>Applicants Information</b> Dr Deen Islam Professor, Dept. of Irrigation and Water Management, Bangladesh Agricultural University, Mymensingh-2202 01716017854 deenislam77@gmail.com
125	LS2018794	Feasibility and Profitability of Early winter vegetables cultivation in Sack as relay crop in Transplanted Aman field of Southwest Bangladesh	<b>Applicants Information</b> Prof Md. Abdul Mannan Agrotechnology Discipline, Khulna University, Khulna-9208, Bangladesh 01716703576 mannanku@gmail.com

126	LS2018791	Development and commercialization of bacteriophage based products for controlling the occurrence of Salmonella spp. in poultry	<b>Applicants Information</b> Prof Sabita Rezwana Rahman Department of Microbiology, University of Dhaka, Dhaka-1000 01552638020 sabita_rahman@hotmail.com
127	LS2018790	Understanding the feasibility of training integration to improve safe and nutritious street food availability in Sylhet City: A System Dynamics	<b>Applicants Information</b> Dr G.M. Rabiul Islam Department of food Engineering and Tea Technology, Shahjalal University of Science and Technology, Sylhet-3114, 008801787323944 rabi14@yahoo.com
128	LS2018786	Bioremediation of industrial pollutants from environment using microorganisms	<b>Applicants Information</b> PROF. SANGITA AHMED DEPARTMENT OF MICROBIOLOGY, UNIVERSITY OF DHAKA, DHAKA +8801766946585 sangita@du.ac.bd
129	LS2018784	Detection and molecular characterization of antimicrobial resistant bacteria in foods of animal origin	<b>Applicants Information</b> Prof Md. Ariful Islam Department of Microbiology & Hygiene Bangladesh Agricultural University 01711390939, islama@bau.edu.bd
130	LS2018783	Investigation of Enteric pathogens as a Bio-indicator of water pollution and Their Characterization From different Sources of Water	<b>Applicants Information</b> Prof Anowara Begum Department of Microbiology, University of Dhaka, Dhaka-1000, Bangladesh 88-01926923962 anowara@du.ac.bd ; anowara71@yahoo.com

131	LS2018782	A quest by next generation sequence for nitrogen fixer and plant growth promoter as biofertilizer mixed culture candidates: innovation of sustainable and green technology for Bangladesh.	<b>Applicants Information</b> Prof Dr. Md. Iqbal Kabir Jahid Department of Microbiology Jessore University of Science and Technology (JUST) 01709818178 ikjahid_mb@just.edu.bd
132	SD2018781	EMBEDDED CONNECTOR FOR OPTIMAL RETROFITTING OF REINFORCED CONCRETE STRUCTURE USING EXTERNALLY BONDED PLATES	<b>Applicants Information</b> Dr Md Ashraful Alam Associate Professor, Department of Civil Engineering, University of Asia Pacific, 74/A Green Road, Dhaka 1215 +8801729241971 dr.ashraful@uap-bd.edu
133	LS2018777	Fungal endophyte <i>Metarhizium</i> for the improvement of rice performance under salt stress: possible strategies to challenge global salinity	<b>Applicants Information</b> Dr Shah Mohammad Naimul Islam Department of Biotechnology Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) 01717719735 naimul@bsmrau.edu.bd
134	LS2018776	Studying vitamin D status in autism spectrum disorder and the efficacy of vitamin D supplementation in autistic children in Bangladesh	<b>Applicants Information</b> Prof Abu Syed Md. Mosaddek House: 34, Road: 04, Sector: 09, Sonargaon Janapath, Uttara, Dhaka-1230. Uttara Adhunik Medical College +8801711483814 Drmosaddek25@gmail.com

135	LS2018775	Insights into Socio-Economic Features to Reveal the Controversy on Eucalyptus Based Agroforestry System in Northern Region of Bangladesh	<b>Applicants Information</b> Prof Md Abiar Rahman Dept. of Agroforestry and Environment, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) Gazipur 1706, 01552495452 abiar@bsmrau.edu.bd
136	LS2018708	Epidemiological studies on shiga toxin-producing Escherichia coli O157:H7 and cytolethal distending toxin-producing Campylobacter jejuni from foods and diarrhoeal stools in Mymensingh	<b>Applicants Information</b> Prof S. M. Lutful Kabir Dept. of Microbiology and Hygiene, Bangladesh Agricultural University, Mymensingh-2202 +8801754987218 lkabir79@bau.edu.bd