

## 2021-22\_ Proposed Selected 98 Research Projects under GARE

Sl no.	PCN No	Name of Project	Name and Address of PI &Co- PI	Budget Allocation (Tk. in Lac)			
				Total	1 <sup>st</sup> Instalment (2021-22)	2 <sup>nd</sup> Instalment (2022-23)	3 <sup>rd</sup> Instalment (2023-24)
1.	LS2019 1270	Characterization of the Gut Microbiome of Adult Bengali Bangladeshi Nonalcoholic Fatty Liver Disease Patients: A 16S Metagenomics Study	<b>Applicants Information</b> Prof Laila AnjumanBanu Professor of Genetic & Molecular Biology, Department of Anatomy, Bangabandhu Sheikh Mujib Medical University (BSMMU) 01730261673 dr.lailabanu@bsmmu.edu.bd <b>Co-investigators Information</b> Dr Ahsan Habib Department of Cardiology, Bangabandhu Sheikh Mujib Medical University (BSMMU) 01713-081478, 029143524 (Res) drsmahsanhabib2015@gmail.com	14.00	4.00	6.00	4.00
2.	LS2021 1692	<b>Characterization and adulterants detection of pasteurized milk and milk powder by NIR Spectroscopy</b>	Applicants Information Dr Abdullah Iqbal Professor Bangladesh Agricultural University 01712555485 iqbal21155@bau.edu.bd Co-investigators Information Dr Poly Karmoker Associate Professor Bangladesh Agricultural University 01308060406 poly.ftri@gmail.com	20.00	4.00	10.00	6.00
3.	LS2020 1368	Determinants of Serum Homocysteine Level and Cardiovascular Risk Association: A Population Screening	<b>Applicants Information</b> Prof Sohel Reza Choudhury Plot 7/2, Section 2 National Heart Foundation Hospital and Research Institute, Mirpur-02, Dhaka 01713037254 sohel_r_choudhury@hotmail.com	15.00	4.00	7.00	4.00

		Program	<b>Co-investigators Information</b> Dr DhimanBanik National Heart Foundation Hospital and Research Institute, Plot 7/2, Section 2, Mirpur, Dhaka 1216 01819328053 dhimandmc@yahoo.com				
4.	LS2020 1443	Isolation, characterization and formulation of probiotics from halotolerant plant growth promoting microorganisms (HPGPMs) for ameliorating salt stress of rice plant in the coastal areas of Bangladesh	<b>Applicants Information</b> Prof Dr. Md. Atiqur Rahman Khokon Department of Plant Pathology, Bangladesh Agricultural University, Mymensingh-2202 +8801742133655, atiq.ppath@bau.edu.bd <b>Co-investigators Information</b> Ms FarzanaHaqueTumpa Assistant Professor, Department of Plant Pathology, Bangladesh Agricultural University, Mymensingh-2202, +88-01989008060 farzana.ppath@bau.edu.bd	<b>17.00</b>	<b>5.00</b>	<b>7.00</b>	<b>5.00</b>
5.	LS2021 1589	<b>Development of Trans-Impedance Amplifier Based Pest Control System for Post-Harvest Loss Reduction in Stored Paddy</b>	Applicants Information Dr Md Abdul Awal Professor Pham Power Machenaries Bangladesh Agricultural University 01710987258 awalfpm@bau.edu.bd Co-investigators Information Dr EhsanulKabir Professor Pham Power Machenaries Bangladesh Agricultural University 01843667834 kabir408@gmail.com	<b>22.00</b>	<b>4.00</b>	<b>10.00</b>	<b>8.00</b>
6.	SD2021 1669	Estimation of Potential Gaps to Climate-Smart Agricultural Practices in Vulnerable Coastal Region of	Applicants Information Dr Md. Abdul Awal Professor Department of Crop Botany Bangladesh Agricultural University 01720343625 awalma7@bau.edu.bd	<b>18.00</b>	<b>5.00</b>	<b>8.00</b>	<b>5.00</b>

		Bangladesh	Co-investigators Information Dr Shamima Akhter Associate Professor Bangladesh Agricultural University 01726899326 s.akhter_bau@yahoo.com				
7.	LS2020 1467	An investigation on food and water borne parasites in Bangladesh with emphasis on zoonoses.	<b>Applicants Information</b> Prof Moizur Rahman Professor, Department of Veterinary and Animal Sciences, University of Rajshahi, Rajshahi- Office: 0721711141; Cell: 01733202411 moizur@ru.ac.bd <b>Co-investigators Information</b> Dr Lovely Nahar Associate Professor, Department of Veterinary and Animal Sciences, University of Rajshahi, Rajshahi Office: 0721711141; Cell: 01798749540 naharpara78@ru.ac.bd	<b>18.00</b>	<b>5.00</b>	<b>8.00</b>	<b>5.00</b>
8.	LS2021 1618	<b>Revealing anticoccidial drug resistance and genetic analysis of Eimeriatenella causing caecal coccidiosis in chickens in Bangladesh</b>	Applicants Information Dr Mohammad ZahangirAlam Professor Dpt. of Paracytology Bangladesh Agricultural University 01746611162 mzalam@bau.edu.bd Co-investigators Information Dr ShirinAkter Associate Professor Dpt. of Paracytology Bangladesh Agricultural University 01712728569 shirin.akter@bau.edu.bd	<b>25.00</b>	<b>5.00</b>	<b>12.00</b>	<b>8.00</b>
9.	LS2021 1608	<b>Detection of antibiotics and heavy metals in commercial feeds and subsequent residues in broiler meat</b>	Applicants Information Dr Mohammad Al-Mamun Professor Dpt. of Animal Nutrition Bangladesh Agricultural University 01715051093 mamamun@bau.edu.bd Co-investigators Information	<b>15.00</b>	<b>5.00</b>	<b>10.00</b>	

			Mr Md. Rahat Ahmad Redoy Assistant Professor Dpt. of Animal Nutrition Bangladesh Agricultural University 01676081039 rahat_an@bau.edu.bd				
10.	LS2020 1365	A systematic survey to identify the prevalence of cardio-renal and metabolic risk factors in population	<b>Applicants Information</b> Prof : M Ayub Ali Chowdhury Dept. of Nephrology, Room 405, 3rd Floor, National Institute of Kidney Diseases and Urology (NIKDU), Sher-e-bangla Nagar, Dhaka 01711131778 ayubali12960@gmail.com; kdrghbd@yahoo.com <b>Co-investigators Information</b> Dr Kazi S Alam Dept. of Nephrology, Room 405, 3rd Floor, National Institute of Kidney Diseases and Urology (NIKDU), Sher-e-bangla Nagar, Dhaka 01713037254 kshanoor@yahoo.com	<b>12.00</b>	<b>5.00</b>	<b>7.00</b>	
11.	LS2020 1373	Evaluating the Lipid Abnormalities and Its Association With Inflammation for Cardiovascular Risk Profiling in Population	<b>Applicants Information</b> Prof Sajal K Banerjee Dept. of Cardiology, Bangabandhu Sheikh Mujib Medical University (BSMMU). Dhaka 1000 88 01711594017 drsajalk2003@yahoo.com; kdrghbd@yahoo.com <b>Co-investigators Information</b> Dr Dipal K Adhikary Dept. of Cardiology, Bangabandhu Sheikh Mujib Medical University (BSMMU). Block D, 3rd Floor, Dhaka 1000 88 01841019229 krcrg@yahoo.com	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>
12.	SS2020 1392	Efficacy of Technical Education in Generating Self-Employment Competence: A Comparative	<b>Applicants Information</b> Prof M Zulfiqar Ali Islam Department of Sociology University of RajshahiRajshahi 6205 01715359715 drzulfiqarai@gmail.com <b>Co-investigators Information</b>	<b>8.00</b>	<b>3.00</b>	<b>5.00</b>	

		Study of Bangladesh and South Korea	Dr Md. Tohidul Islam Rajshahi University Directorate of Secondary and Higher Education, Bangladesh, Dhaka 01721379912 towhid978@gmail.com				
13.	LS2020 1462	Exploring antibiotic-free sustainable control strategy for bovine mastitis: deciphering immunogenomics and immunobiotics of dairy cattle in Bangladesh	<b>Applicants Information</b> Dr Md. Aminul Islam Department of Medicine, Faculty of Veterinary Science, Bangladesh Agricultural University, Mymensingh-2202, +8801789046501 aminul.vmed@bau.edu.bd <b>Co-investigators Information</b> Prof AKM Anisur Rahman Department of Medicine, BAU Mymensingh-2202, Bangladesh. +8801713409196 <a href="mailto:marahmanmu05@gmail.com">marahmanmu05@gmail.com</a>	<b>15.00</b>	<b>4.00</b>	<b>8.00</b>	<b>3.00</b>
14.	LS2021 1634	<b>Capacity building of farmers to maintain pre-harvest interval (PHI) for pesticide use to ensure food safety using common interest group (CIG) approach</b>	Applicants Information Dr ShoniaSheheli Professor Department of Agricultural Extension Education Bangladesh Agricultural University +8801711386441 ssheheli.agext@bau.edu.bd Co-investigators Information Ms SharminAkter Assistant Professor Bangladesh Agricultural University +88 01712549281 sharmin.agext@bau.edu.bd	<b>15.00</b>	<b>4.00</b>	<b>8.00</b>	<b>3.00</b>

15.	LS2020 1470	Improvement of plant growth, nutrient and energy use efficiency of lettuce and cucumber under different LED-light spectrum in indoor vertical farming grow house controlled by Mobile phone.  Applied Date: 2020-09-21	<b>Applicants Information</b> Prof DrAbulHasnat M Solaiman FAB LAB SAU, Dept of Horticulture, Sher-e-Bangla Agricultural University 01711054215 ahmsolaimanhort@sau.edu.bd <b>Co-investigators Information</b> Mr KhairulKabir Sher- E- Bangla Agricultural University Department of Horticulture 01913919663 kabir@sau.edu.bd	<b>14.00</b>	<b>4.00</b>	<b>6.00</b>	<b>4.00</b>
16.	LS2020 1362	Deciphering resistome, virulome and genetic diversity of emerging multi-drug resistant bacteria isolated from medical waste and environmental samples in Bangladesh	<b>Applicants Information</b> Dr Zimam Mahmud Assistant Professor, Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka-1000, Bangladesh +8801632267681, +8801929206621 zimam@du.ac.bd <b>Co-investigators Information</b> Prof A.H.M.NurunNabi Professor, Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka-1000, Bangladesh +8801914737989 nabi@du.ac.bd	<b>12.00</b>	<b>3.00</b>	<b>6.00</b>	<b>3.00</b>
17.	LS2021 1578	<b>Screening of antimicrobial substances and antibiotic resistant genes (ARG) in the fish culture system of Bangladesh: state of antimicrobial resistance (AMR)</b>	Applicants Information Dr Md. Shakhawate Hossain Associate Professor Fisheries, Biology and Acquatic Environment Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) 01716232126 shakhawate@bsmrau.edu.bd Co-investigators Information Dr Md. Jahangir Alam Professor Fisheries, Biology and Acquatic Environment Bangabandhu Sheikh Mujibur	<b>20.00</b>	<b>5.00</b>	<b>10.00</b>	<b>5.00</b>

			Rahman Agricultural University (BSMRAU) 01715143521 mjalam@bsmrau.edu.bd				
18.	PS2021 1683	<b><u>The Impact of COVID-19 on Food Security and Nutrition</u></b>	Applicants Information Dr Salma Begum Professor Dhaka University 01863833577 sociodu2013@gmail.com Co-investigators Information Dr Md. Mohiuddin Professor Dhaka University 01711196408 muddin1977iba@gmail.com	<b>14.00</b>	<b>4.00</b>	<b>8.00</b>	<b>2.00</b>
19.	LS2020 1380	Seasonal Impact of Heavy Metal Concentration on Commercially Important Marine Fishes, Shrimps and Crabs in the Bay of Bengal Coast and the Implications for Human Health Risk in Bangladesh	<b>Applicants Information</b> Professor Dr. Md. Sirajul Islam Department of Environmental Science and Resource Management, MawlanaBhashani Science and Technology University, Tangail-1902 +88 092161616, +88 01710660209 islamstazu@yahoo.com <b>Co-investigators Information</b> Dr Shamim Al Mamun Department of Environmental Science and Resource Management, MawlanaBhashani Science and Technology University, Tangail-1902 +88 0921-61616, +88 01619208999 shamim084du@yahoo.co	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>
20.	LS2020 1430	Quantify Fluoroquinolone Antibiotic Residues in the Peripheral River of Dhaka using Fluorescence Spectroscopy: Anthropogenic Marker of Emerging Pollutants	<b>Applicants Information</b> Prof ShafiTareq Dept. of Environmental Sciences, Jahangirnagar University, Savar, Dhaka 1342 01720299364 smtareq@juniv.edu <b>Co-investigators Information</b> Dr FahmidaParvin Department of Environmental Sciences, Jahangirnagar University, Savar, Dhaka 1342 8801302556705	<b>20.00</b>	<b>5.00</b>	<b>8.00</b>	<b>7.00</b>

			<a href="mailto:fahmidaprvn497@juniv.edu">fahmidaprvn497@juniv.edu</a>				
21.	LS2021 1659	Morpho-molecular identification, distribution and sustainable management of Fall Armyworm ( <i>Spodoptera frugiperda</i> ) using biopesticides, botanicals, chemicals and Si-based resistance	Applicants Information Dr Mohammad ShaefUllah Professor Dpt. Entomology Bangladesh Agricultural University 01779682882 ullahipm@bau.edu.bd Co-investigators Information Dr Masum Ahmad Professor Dpt. Entomology Bangladesh Agricultural University +8801716665704 masum@bau.edu.bd	<b>20.00</b>	<b>5.00</b>	<b>10.00</b>	<b>5.00</b>
22.	LS2021 1586	<b>A novel phytosomal tablet development from <i>Carica papaya</i> for the treatment of dengue.</b>	Applicants Information Prof Hasan Mahmud Reza Professor Department of Pharmaceutical Sciences North South University 01715885651 hasan.reza@northsouth.edu Co-investigators Information Dr Asim Kumar Bepari Associate Professor North South University 01716089859 asim.bepari@northsouth.edu	<b>11.00</b>	<b>3.00</b>	<b>6.00</b>	<b>2.00</b>
23.	LS2020 1319	A comparative study of blood-brain barrier disruption by hypoglycemia in different hypoglycemic model mice.	<b>Applicants Information</b> Dr Md. Ibrahim Hossain Associate Professor, Dept. of Biochemistry and Molecular Biology, Faculty of Biological Sciences, Jahangirnagar University, Savar, Dhaka. 01906064698 ibrahim_bmb@juniv.edu <b>Co-investigators Information</b> Prof Dr. Md. Ibrahim Khalil Professor, Dept. of Biochemistry and Molecular Biology, Faculty of Biological Sciences, Jahangirnagar University, Savar, Dhaka. 01723919111 drmikhailil@gmail.com	<b>5.60</b>	<b>5.60</b>		



24.	LS2021 1551	<b>Isolation, characterization and culture of arbuscular mycorrhizal fungi (AMF) with crops towards the production of mycorrhiza enriched bio-fertilizer</b>	Applicants Information Dr Mohammad Zahangeer Alam Associate Professor Environmental Science Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) 01716635978 uzzalbau@yahoo.com Co-investigators Information Dr Md. Abdul Baset Mia Professor Crop Botany Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) 9205310-14 (Int. com 2079) miabaset@bsmrau.edu.bd	<b>20.00</b>	<b>5.00</b>	<b>10.00</b>	<b>5.00</b>
25.	PS2020 1317	Wave Attenuation and Sediment Deposition by Coastal Vegetations	<b>Applicants Information</b> Prof Ashabul Hoque Department of Mathematics, University of Rajshahi, Rajshahi- 6205 01715587509 ashabulh@yahoo.com <b>Co-investigators Information</b> Prof Gour Chandra Paul Department of Mathematics, University of Rajshahi, Rajshahi- 6205 88-01712187595 pcgour2001@yahoo.com	<b>12.00</b>	<b>3.00</b>	<b>5.00</b>	<b>4.00</b>
26.	SS2021 1646	<b>A study on people's continued existence strategies and coping competence in northern region of Bangladesh in the course of the pandemic</b>	Applicants Information Dr Professor Dr. A.T.M Rezaul Hoque Professor Department of Economics Hajee Mohammad Danesh Science and Technology University +88 01958 444895 luizareza@yahoo.com Co-investigators Information Mr Khalid Imran Assistant Professor Hajee Mohammad Danesh Science and Technology University +88 01671 445643 khalid_imran@hstu.ac.bd	<b>6.00</b>	<b>2.00</b>	<b>4.00</b>	

27.	LS2020 1486	Early pregnancy diagnosis through expression of pregnancy related genes in cattle and goats	<p><b>Applicants Information</b> Prof Mohammad Moniruzzaman Department of Animal Science, Bangladesh Agricultural University Mymensingh 01726491107 monir.as@bau.edu.bd</p> <p><b>Co-investigators Information</b> Dr Md. HasanurAlam Bangladesh Agricultural University Department of Animal Science, BAU, Mymensingh 01723888223 <a href="mailto:hasanur@bau.edu.bd">hasanur@bau.edu.bd</a></p>	<b>15.00</b>	<b>4.00</b>	<b>7.00</b>	<b>4.00</b>
28.	SD2021 1619	<b>Barriers for Green Supply Chain Management Implementation : A study in Bangladesh leather and leather product industry</b>	<p>Applicants Information Dr S.M.Mahbubur Rahman Associate Professor Department of Business Administration Noakhali Science and Technology University, Noakhali 01712122849 mmrahman987.dba@nstu.edu.bd</p> <p>Co-investigators Information Mr Habibur Rahman Assistant Professor Department of Business Administration Noakhali Science and Technology University, Noakhali 01717540634 habib.nstum@gmail.com</p>	<b>5.00</b>	<b>5.00</b>		
29.	LS2021 1594	<b>DNA Barcoding of bat population and associated human-bat interaction in Chittagong Hill Tracts of Bangladesh</b>	<p>Applicants Information Dr Md. Kamrul Hasan Professor Zoology Jahangirnagar University +8801711235186 mkhasan@juniv.edu</p> <p>Co-investigators Information Dr Sajeda Begum Professor Jahangirnagar University +8801712045640 bsajeda@yahoo.com</p>	<b>10.00</b>	<b>3.00</b>	<b>5.00</b>	<b>2.00</b>
30.	LS2020 1401	Smart Fertilizer Recommendation System through Leaf Color Chart	<p><b>Applicants Information</b> Prof Syed Md. Galib Chairman, Dept. of Computer Science and Engineering, Jashore</p>	<b>18.00</b>	<b>5.00</b>	<b>8.00</b>	<b>5.00</b>

		(LCC) Automation	University of Science and Technology +8801781408274 galib.cse@just.edu.bd <b>Co-investigators Information</b> Dr Md. Nasim Adnan Jessore University of Science and Technology (JUST) Assistant Professor, Dept. of Computer Science and Engineering, Jashore University of Science and Technology 01708524079 nasim.adnan@just.edu.bd				
31.	LS2020 1452	Determination of timing of the completion of the first wave of spermatogenesis in black Bengal goat	<b>Applicants Information</b> Dr Md. RoyhanGofur Associate Professor, Department of Veterinary and Animal Sciences, Rajshahi University, Rajshahi 01306106123 royhangm@gmail.com <b>Co-investigators Information</b> Dr AfiaKhatun Associate Professor, Department of Veterinary and Animal Sciences, Rajshahi University, Rajshahi 01724571947 <a href="mailto:afiakhatuns@gmail.com">afiakhatuns@gmail.com</a>	6.00	6.00		
32.	LS2020 1471	Production of YY supermale tilapia applying herbal alternatives to synthetic steroid hormone through marker assisted selection	<b>Applicants Information</b> Dr Md. ShahanoorAlam Dept. of Genetics and Fish Breeding, Faculty of Fisheries, Bangabandhu Sheikh Mujibur Rahman Agricultural University Gazipur-1706. 01753 586372 msalam1981@gmail.com <b>Co-investigators Information</b> Dr Nargis Sultana BangabandhuSheikh Mujibur Rahman Agricultural University (BSMRAU) Dept. of Fisheries Biology and Aquatic Environment, Gazipur-1706, 01712697840 nargis1703@yahoo.com	15.00	4.00	6.00	5.00
33.	LS2021	<b>Isolation and</b>	Applicants Information Dr Md. Majibur Rahman	22.00	5.00	10.00	7.00

	1582	<b>identification of novel antibiotics produced by marine Streptomyces spp.</b>	Professor Department of Microbiology Dhaka University  +8801552459425 majibrahman@gmail.com Co-investigators Information Dr SabitaRezwana Rahman Professor Dhaka University +8801552638020 sabita_rahman@du.ac.bd				
34.	LS2020 1479	Pathobilology of edible vegetable oils on the vital organs of the rabbit: A public health perspective study in Bangladesh	<b>Applicants Information</b> Prof Dr. Mohammad Rafiqul Islam Professor, Department of Anatomy and Histology, Bangladesh Agricultural University, Mymensingh-2202 +88 01741 355282 rafiqul.islam@bau.edu.bd <b>Co-investigators Information</b> Prof Dr. Mir RubayetJahan Professor, Department of Anatomy and Histology, Bangladesh Agricultural University, Mymensingh-2202 +8801712185054 <a href="mailto:rubayet.lucky@gmail.com">rubayet.lucky@gmail.com</a>	<b>18.00</b>	<b>5.00</b>	<b>8.00</b>	<b>5.00</b>
35.	LS2021 1612	<b>Identification of Microplastics Contamination in Commercial Dried Marine Fish from the Bay of Bengal: an Implication of Marine Pollution to Seafood Safety</b>	Applicants Information Dr Md. SazedulHoque Associate Professor Fisheries Technology Registrar, Patuakhali Science and Technology University Patuakhali Science and Technology University +8801716244719 sazedul.fst@pstu.ac.bd Co-investigators Information Mr Suprakash Chakma Associate Professor Fisheries Technology Patuakhali Science and Technology University +8801827285550 sup.fst@pstu.ac.bd	<b>12.00</b>	<b>4.00</b>	<b>5.00</b>	<b>3.00</b>
36.	LS2020 1384	Production and characterization of dialdehyde	<b>Applicants Information</b> Prof MdNazrul Islam Forestry and Wood Technology	<b>10.00</b>	<b>4.00</b>	<b>6.00</b>	

		cellulose (DAC) based adhesive for the application in wood-based industries	Discipline, Khulna - 9208, Bangladesh +8801925517235 nazrul17@yahoo.com <b>Co-investigators Information</b> Prof MdMorsalineBillah Biotechnology and Genetic Engineering Discipline, Khulna University, Khulna - 9208, Bangladesh +8801712008393 morsaline@gmail.com				
37.	LS2020 1294	Analysis of Health-Promoting Benefits of Lactic Acid Bacteria Isolated from Traditional Fermented Beverages of Bangladesh and Evaluation of Their Compatibility for Probiotic Applications	<b>Applicants Information</b> Dr TanimJabid Hossain Department of Biochemistry and Molecular Biology, University of Chittagong, Chattogram-4331, Bangladesh. +8801812092020 tanim.bmb@gmail.com <b>Co-investigators Information</b> Dr Ferdausi Ali Department of Microbiology, University of Chittagong, Chattogram-4331, Bangladesh. +8801719975259 ferdausi_ali@yahoo.com	<b>8.00</b>	<b>3.00</b>	<b>3.00</b>	<b>2.00</b>
38.	PS2020 1451	Development of Natural Antibacterial Peptide Loaded Wound Dressings	<b>Applicants Information</b> Dr Muhammad Tarik Arafat Department of Biomedical Engineering (BME), Bangladesh University of Engineering and Technology (BUET), Dhaka-1205, 01911764467 tarikarafat@bme.buet.ac.bd <b>Co-investigators Information</b> Dr A.B.M. ToufiqueHasan Department of Mechanical Engineering (ME), (BUET), Dhaka-1000 01730714444 toufiquehasan@me.buet.ac.bd	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>
39.	LS2021 1580	<b>Effects of biofloc based single cell protein on the growth and</b>	Applicants Information Dr Mohammad Lutfar Rahman Associate Professor Genetics and Fish Breeding Bangabandhu Sheikh Mujibur Rahman Agricultural University	<b>18.00</b>	<b>5.00</b>	<b>10.00</b>	<b>3.00</b>

		<b>reproduction of Nile tilapia (Oreochromis niloticus): a molecular approach</b>	(BSMRAU) 01710586058 mlrahman@bsmrau.edu.bd Co-investigators Information Mr Md. Emranul Ahsan Associate Professor Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) 01715093536 meahsan@bsmrau.edu.bd				
40.	LS2021 1576	<b>Adaptation of shrimp in intensive biofloc culture system using microbial protein</b>	Applicants Information Dr A. M. Shahabuddin Associate Professor Aquaculture Sher-e-Bangla Agricultural University Research System (SAURES) Sher- E- Bangla Agricultural University 01720025260 amsuddin@yahoo.com Co-investigators Information Ms Antara Ghosh Asst. Professor Aquaculture Sher- E- Bangla Agricultural University 01717913259 antarajstu@gmail.com	<b>12.00</b>	<b>4.00</b>	<b>8.00</b>	
41.	ET2021 1696	<b>A Comparative Performance Analysis of Zero Voltage Switching Class E and Selected Enhanced Class E Inverters</b>	Applicants Information Dr Ratil H Ashique Associate Professor <b>EEE</b> Green University of Bangladesh 01773590010 ratil@eee.green.edu.bd Co-investigators Information Prof ShahriarKabir (PhD candidate) Assistant Professor <b>EEE</b> Green University of Bangladesh 01764610728 kabir@eee.green.edu.bd	<b>4.00</b>	<b>4.00</b>		
42.	SS2020 1413	Exploring the Relationships of Women Empowerment	<b>Applicants Information</b> Prof Mohammad Shafiqul Islam Department of Public Administration, School of Social Sciences, Shahjalal University of	<b>8.00</b>	<b>3.00</b>	<b>5.00</b>	

		and Diets, Nutritional Status of Adolescent Girls in Urban and Peri-urban Settings	Science and Technology, Sylhet 3114, Bangladesh +8801719287907 shafiq.pad@gmail.com <b>Co-investigators Information</b> Ms JobaydaGulsanAra Department of Public Administration, School of Social Sciences, Shahjalal University of Science and Technology, Sylhet 3114, Bangladesh +880-1670734092 Jobayda14@gmail.com				
43.	LS2020 1450	Investigation of Bacterial Quorum Sensing & Biofilm Inhibitory Potentials of Some Selected Medicinal Plants from Sunderbans.	<b>Applicants Information</b> Dr NripendraNath Biswas Associate Professor, Pharmacy Discipline, Life Science School, Khulna University-9208 01797-317760 nnathbiswas@gmail.com <b>Co-investigators Information</b> Dr Asish Kumar Das Professor and Head of the Discipline, Pharmacy Discipline, Life Science School, Khulna University-9208 01914066214 <a href="mailto:dasasish03@yahoo.com">dasasish03@yahoo.com</a>	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>
44.	LS2021 1664	Cellular Mechanisms and Anatomical Adaptations of Major Crop in Coastal area of Bangladesh- Focusing Salinity Stress	Applicants Information <b>Dr SHAHANARA BEGUM</b> <b>Professor</b> <b>Department of</b> <b>Crop Botany</b> <b>Bangladesh Agricultural</b> <b>University</b> <b>01716504060</b> <b>shahanarab@bau.edu.bd</b> Co-investigators Information Dr MD. AZHARUL ISLAM  Professor Department of Environment Science Bangladesh Agricultural University 01719993555 maislam@bau.edu.bd	<b>22.00</b>	<b>6.00</b>	<b>10.00</b>	<b>6.00</b>

45.	LS2020 1378	Serotyping and Genotyping of Dengue virus for accurate laboratory diagnosis and appropriate patient-management in Bangladesh	<p><b>Applicants Information</b> Dr Md Islam Department of Microbiology, Jahangirnagar University, Savar, Dhaka 1342, Bangladesh. 8801715029136 salequl@gmail.com</p> <p><b>Co-investigators Information</b> Prof MasumShahriar Department of Pharmacy, Jahangirnagar University, Savar, Dhaka 1342, Bangladesh. 8801813974580 masum_shahriar@juniv.edu</p>	<b>12.00</b>	<b>3.00</b>	<b>5.00</b>	<b>4.00</b>
46.	LS2021 1662	Microplastics in fish and fishery products: possible risk for human consumption	<p>Applicants Information Dr Md. Shahjahan Professor Dpt. of Fisheries Management Bangladesh Agricultural University 01718590903 mdshahjahan@bau.edu.bd</p> <p>Co-investigators Information Mr. Md. FazleRohani Assistant Professor <b>Department of Aquaculture</b> Bangladesh Agricultural University 01743254901 rohani_aq@bau.edu.bd</p>	<b>18.00</b>	<b>4.00</b>	<b>10.00</b>	<b>4.00</b>
47.	LS2021 1698	<b>Sensor-Based Variable-Rate Agrochemical Spraying System for Disease Control in Paddy Field</b>	<p>Applicants Information Prof Dr. Anisur Rahman Professor Bangladesh Agricultural University +8801717605485 anis_fpm@bau.edu.bd</p> <p>Co-investigators Information Prof DrMdHamidul Islam Professor Bangladesh Agricultural University +8801712863879 hamidfpm@bau.edu.bd</p>	<b>20.00</b>	<b>5.00</b>	<b>10.00</b>	<b>5.00</b>
48.	LS2020 1400	Development of Low-cost, Multiplexed Self-diagnostic	<p><b>Applicants Information</b> Dr Gokul Chandra Biswas Associate Professor, Department of Genetic Engineering and Biotechnology, Shahjalal</p>	<b>10.00</b>	<b>4.00</b>	<b>6.00</b>	



		Microdevice for Rapid and Early Detection of Cancer and COVID-19	University of Science & Technology, Sylhet-3114, Bangladesh 0821-714479, 717850 (PABX) Ext. 411; Mobile: +8801787114414 gcbiswas-geb@sust.edu <b>Co-investigators Information</b> Prof Dr. Md. Jahangir Alam Department of Genetic Engineering and Biotechnology, Shahjalal University of Science & Technology, Sylhet-3114, Bangladesh 0821-714479, 717850 (PABX) Ext. 411; Mobile: +8801911939040 jahangir-btc@sust.edu				
49.	LS2021 1665	Molecular and Biochemical dissection of Terminal Heat Stress Tolerance in Spring Wheat ( <i>Triticumaestivum</i> L.)	Applicants Information Dr G. H. M. SAGOR Professor Department of Genetics & Plant breeding Bangladesh Agricultural University +8801779-896137 sagorgpb@gmail.com Co-investigators Information UpamaMondal Assistant Professor Bangladesh Agricultural University +8801741-136055 m_upama@bau.edu.bd	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>
50.	LS2021 1689	<b>APPLICATION OF FUZZY COGNITIVE MAPS FOR WHEAT YIELD MANAGEMENT IN PRECISION FARMING</b>	Applicants Information Dr MD ROBIUL ISLAM Professor Rajshahi University 8801914254233 mrislam@ru.ac.bd Co-investigators Information Doctor MOSAMMAT NILUFAR YASMIN Professor Rajshahi University +8801722725788 nyasmin@ru.ac.bd	<b>18.00</b>	<b>4.00</b>	<b>10.00</b>	<b>4.00</b>
51.	LS2020	Selection, characterization	<b>Applicants Information</b> Prof MdSaiful Islam	<b>20.00</b>	<b>5.00</b>	<b>8.00</b>	<b>7.00</b>

	1337	and evaluation of landrace rice cultivars for high salinity and low-N stress adaptation, improving yield and enhance food security at the coastal area of Bangladesh	Room-B/107, Dept. Soil Science, Patuakhali Science and Technology University, Dumki, Patuakhali-8602 +88-01717372057 msaifulpstu@yahoo.com <b>Co-investigators Information</b> Prof Md. Kamal Hossain Room-B/109, Dept. Soil Science, Patuakhali Science and Technology University, Dumki, Patuakhali-8602 +8801724010322 mkamal_pstu@yahoo.com				
52.	LS2020 1324	Feed Safety and Nutrition of Cattle in Bangladesh: Using Total Mixed Rations for Beef Production in Intensive System	<b>Applicants Information</b> Dr Md. Abul Hashem Dr. Md. Abul Hashem, Professor, Department of Animal Science, Bangladesh Agricultural University, Mymensingh-2202 +8801721310621 hashem_as@bau.edu.bd <b>Co-investigators Information</b> Dr Mohammad Al-Mamun Dr. Mohammad Al-Mamun, Professor, Department of Animal Nutrition, Bangladesh Agricultural University, Mymensingh-2202 +8801715051093 mamamun@bau.edu.bd	<b>13.00</b>	<b>5.00</b>	<b>8.00</b>	
53.	PS2020 1512	Coupling of heterogeneous and homogeneous catalytic processes to treat dye containing environmental waste water	<b>Applicants Information</b> Prof Mohammad AbulHasnat B-Building, Department of Chemistry, Sylhet-3114 01675002818 mahtazim@yahoo.com <b>Co-investigators Information</b> Dr S. M. Nizam Uddin B-Building, Department of Chemistry, Sylhet-3114 01712013266 ontic.sohel@gmail.com	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>
54.	LS2021 1641	<b>Analysis of Genetic Polymorphisms in SERS-CoV-2 Entry Related Host Protease Tmprss2 to</b>	Applicants Information Dr Md. Mustafizur Rahman Professor Pharmacy Discipline Khulna University +880-1711-485602 dipti0103@yahoo.com	<b>20.00</b>	<b>5.00</b>	<b>10.00</b>	<b>5.00</b>

		<b>understand Variation in COVID-19 Susceptibility and Disease Severity among Bangladeshi Populations</b>	Co-investigators Information Dr Md. Golam Hossain Professor Khulna University +880-1732-642220 ghossain72@yahoo.com				
55.	SS2020 1323	The Impact of Backpack Loads on Physical and Mental Health of School Children	<b>Applicants Information</b> Prof ASOKE KUMAR SAHA DEPARTMENT OF PSYCHOLOGY, JAGANNATH UNIVERSITY, DHAKA- 1100, BANGLADESH 01726028112 asoke_saha@yahoo.com <b>Co-investigators Information</b> Dr FARJANA AHMED DEPARTMENT OF PSYCHOLOGY, JAGANNATH UNIVERSITY, DHAKA- 1100, BANGLADESH 01763031119 ahmedfarjana@gmail.com	<b>8.00</b>	<b>3.00</b>	<b>5.00</b>	
56.	LS2021 1639	<b>Expression profiling of drought responsive genes of potato under in vitro drought stress</b>  <b>Applied Date: 2021-06-24</b>  <b>Download Submitted PCN Form</b>	Applicants Information Dr FahmidaKhatun Professor Department of Biotechnology Bangladesh Agricultural University 01746759369 fahmida.meem@bau.edu.bd Co-investigators Information Dr Md. ShahidulHaque Professor Bangladesh Agricultural University 01716066503 haquems@bau.edu.bd	<b>11.00</b>	<b>3.00</b>	<b>6.00</b>	<b>2.00</b>
57.	LS2020 1407	Screening drought tolerant five indigenous tree species for combating the effect of future climate change - A physiological and biochemical	<b>Applicants Information</b> Prof Romel Ahmed Department of Forestry and Environmental Science, Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh Shahjalal University of Science and Technology 01874934514	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>

		approach	romel-fes@sust.edu; romelahmed76@yahoo.com <b>Co-investigators Information</b> Dr M. MasumUIHoque Shahjalal University of Science and Technology Department of Forestry and Environmental Science, Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh 01748714848 masum_hq@yahoo.com				
58.	LS2020 1361	Establishing miR-424-503 cluster as a potential therapeutic target for chemo- resistant breast cancer; an in- vitro approach	<b>Applicants Information</b> Mr RamenduParial Assistant Professor, Department of Biochemistry & Molecular Biology, University of Chittagong, Chattogram-4331, Bangladesh +8801815816070 parialbmb@cu.ac.bd <b>Co-investigators Information</b> Mr RamenduParial Assistant Professor, Department of Biochemistry & Molecular Biology, University of Chittagong, Chattogram-4331, Bangladesh +8801815816070 parialbmb@cu.ac.bd	<b>13.00</b>	<b>4.00</b>	<b>6.00</b>	<b>3.00</b>
59.	LS2020 1351	Seroprevalence and molecular characterization of lumpy skin disease virus (LSDV) in cattle: a potential implication for isolation of vaccine strain in Bangladesh	<b>Applicants Information</b> Dr. Md. Taimur Islam Associate Professor, Department of Pathobiology, Faculty of Veterinary Medicine and Animal science (FVMAS), Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur-1706, Bangladesh 01712547950 taimurpbl@bsmrau.edu.bd <b>Co-investigators Information</b> Dr. Anup Kumar Talukder Associate Professor, Department of Gynecology, Obstetrics and Reproductive Health, FVMAS, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur-1706, Bangladesh 01705614551	<b>20.00</b>	<b>5.00</b>	<b>8.00</b>	<b>7.00</b>

			anupbau@gmail.com				
60.	LS2019 1188	Investigating the role of calmodulin-dependent protein kinase II (CaMKII) in bladder cancer growth, migration, and invasion.	<p><b>Applicants Information</b> Prof YearulKabir Department of Biochemistry and Molecular Biology, Dhaka-1000 Dhaka University 01710-327716 ykabir@du.ac.bd</p> <p><b>Co-investigators Information</b> Dr M MTowhidul Islam Dhaka University Department of Biochemistry and Molecular Biology, Dhaka-1000 01750-505764 <a href="mailto:towhidbmb@du.ac.bd">towhidbmb@du.ac.bd</a></p>	16.00	5.00	7.00	4.00
61.	LS2020 1523	Investigation of Antidiabetic and Diuretic Activities of Traditionally used Medicinal Plants of Sundarban and Khulna Regions.	<p><b>Applicants Information</b> Professor Dr. Utpal Kumar Karmakar Pharmacy Discipline, Khulna University, Khulna-9208, Bangladesh. 01712161906 ukk146@gmail.com</p> <p><b>Co-investigators Information</b> Mr PritamKundu Pharmacy Discipline, Khulna University, Khulna-9208, Bangladesh. 01710448660 pritam.kupharm@gmail.com</p>	12.00	3.00	5.00	4.00
62.	MRS20 201428	Geochemical characteristics of sedimentary organic matter in the Bay of Bengal, Bangladesh: implications for methane generation potential	<p><b>Applicants Information</b> Dr H. M. Zakir Hossain Department of Petroleum and Mining Engineering, Jashore University of Science and Technology 01781731963 zakirgsd@yahoo.com; zakir_pme@just.edu.bd</p> <p><b>Co-investigators Information</b> Ms FarzanaYeasminNipa Department of Petroleum and Mining Engineering, JUST, 01724-808479 <a href="mailto:n.jstu@yahoo.com">n.jstu@yahoo.com</a></p>	10.00	3.00	5.00	2.00
63.	LS2020 1420	Potentiating Antibiotic Activity by addition of	<p><b>Applicants Information</b> Dr Shamim Ahmed Department of Biochemistry and Molecular Biology, Shahjalal University of Science and</p>	5.00	5.00		

		adjuvants Against Resistant, Gram- negative Bacteria: A combination of in silico, in vitro and in vivo experiments	Technology, Sylhet 3114, Bangladesh 01776196006 shamim1174-bmb@sust.edu <b>Co-investigators Information</b> Dr Mahmud Hossain Shahjalal University of Science and Technology, Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka- 1000, Bangladesh 01712659151mahmudbio1480@ du.ac.bd				
64.	LS2020 1353	Identification and molecular characterisation multiple abiotic stress tolerant tomato genotypes and their putative resistant gene families	<b>Applicants Information</b> Dr Ajit Ghosh Kumargoan, Sylhet. Shahjalal University of Science and Technology 01679436700 ajitghoshbd@gmail.com <b>Co-investigators Information</b> Dr Muhammad AbulKalam Azad Shahjalal University of Science and Technology Kumargoan, Sylhet. 01302897622 makazad-bmb@sust.edu	<b>18.00</b>	<b>5.00</b>	<b>8.00</b>	<b>5.00</b>
65.	LS2020 1456	Impact of Lameness and Claw Lesions with their Associated Risk Factors on Dairy Cattle Welfare and Production in Milk Pocket Areas of Bangladesh	<b>Applicants Information</b> Prof Dr. M. Ariful Islam Dept of Medicine, Bangladesh Agricultural University 01717838903 maislam77@bau.edu.bd <b>Co-investigators Information</b> Prof Dr. A.K.M. Anisur Rahman Dept of Medicine, Bangladesh Agricultural University 01713409196 <a href="mailto:arahman_med@bau.edu.bd">arahman_med@bau.edu.bd</a>	<b>18.00</b>	<b>5.00</b>	<b>8.00</b>	<b>5.00</b>
66.	LS2021 1648	<b>Exploring the roles of mobile genetic elements in evolving emergence of the microbial “resistome” in surface water</b>	Applicants Information Dr Santonu Kumar Sanyal Assistant Professor Department of Microbiology Jagannath University, Dhaka, Bangladesh 01717796209 santonu@mib.jnu.ac.bd	<b>20.00</b>	<b>5.00</b>	<b>10.00</b>	<b>5.00</b>

		<b>bodies of Dhaka city, Bangladesh</b>	Co-investigators Information Md. Shariful Islam Assistant Professor Jagannath University, Dhaka, Bangladesh 01912662171 shariful86@gmail.com				
67.	IC2020 1325	Machine Learning Based Security Approach in Energy Harvested Cognitive Radio-Internet of Things	<b>Applicants Information</b> Dr Md. Sipon Miah Room: 111, Department of Information and Communication Technology Islamic University, Bangladesh +8801716883080 mdsiponmiah@gmail.com <b>Co-investigators Information</b> Dr Md. Mahbubur Rahman Islamic University, Bangladesh Room: 110, Department of Information and Communication Technology +8801711007192 drmahbub_07@yahoo.com	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>
68.	LS2019 1237	Effects of Non-Nutritive Sweeteners on the Brain, Liver, Heart, Kidney, Pancreas and Blood Profile of Diabetic Mice	<b>Applicants Information</b> Prof Md. Zahirul Islam Khan Dept. of Anatomy and Histology, Bangladesh Agricultural University, Mymensingh 2202. +88-01720-077666 zahirulah@bau.edu.bd <b>Co-investigators Information</b> Prof ZiaulHaque Dept. of Anatomy and Histology, Bangladesh Agricultural University, Mymensingh 2202. +88-01793-641483 <a href="mailto:zhaque_vet@yahoo.com">zhaque_vet@yahoo.com</a>	<b>16.00</b>	<b>4.00</b>	<b>8.00</b>	<b>4.00</b>
69.	LS2021 1605	<b>DNA barcoding of yeasts isolated from the Sundarban mangrove forest and biodiesel production from the biomass of oleaginous strains</b>	Applicants Information Prof Md. ShahinurKabir Professor Department of Botany, Jahangirnagar University, Savar, Dhaka 1342 Jahangirnagar University 01914127437 shahin@juniv.edu Co-investigators Information Dr Md. Zahidul Islam Associate Professor Jahangirnagar University	<b>15.00</b>	<b>5.00</b>	<b>6.00</b>	<b>4.00</b>

			01787086965 zahidul@juniv.edu				
70.	LS2021 1536	Collection and Evaluation of Coloured Rice Germplasm for Yield, Quality, and Phytonutrients of Health Benefit	<b>Applicants Information</b> Professor Dr. MD. SOLAIMAN ALI FAKIR, Department of Crop Botany, Bangladesh Agricultural University, Mymensingh 01715523202 fakirmsa@gmail.com <b>Co-investigators Information</b> Professor Dr. MD. ALAMGIR HOSSAIN-2, Department of Crop Botany, Bangladesh Agricultural University, Mymensingh 01760178541alamgircbot@bau.edu.bd	<b>16.00</b>	<b>4.00</b>	<b>8.00</b>	<b>4.00</b>
71.	LS2021 1677	Improved nutrient acquisition, plant protection and growth of rice by endophytic bacterium Pseudomonas mosselii	Applicants Information Dr Razia Sultana Professor Department of Agricultural Chemistry Bangladesh Agricultural University 8801758735137 razs@bau.edu.bd Co-investigators Information KamrunNahar Assistant Professor Bangladesh Agricultural University 8801817000815 nahar.ac@bau.edu.bd	<b>10.00</b>	<b>4.00</b>	<b>3.00</b>	<b>3.00</b>
72.	LS2021 1640	<b>Development of Salinity and Drought Tolerant Tomato line/s Through Genetic transformation of PDH45 gene</b>	Applicants Information Dr Mohammad Nurul Islam Professor Department of Botany Dhaka University 01911308364 mnurul@du.ac.bd Co-investigators Information Dr RifatSamad Associate Professor Dhaka University +8801716035767 rifatsamad@gmail.com	<b>9.00</b>	<b>3.00</b>	<b>4.00</b>	<b>2.00</b>
73.	SS2021 1609	<b>Analyse the Poverty</b>	Applicants Information Mr MdMostafizur Rahman	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>



		<b>Dynamics in Informal Settlements during the COVID-19 Situation</b>	Associate Professor Urban and Rural Planning Khulna University +8801718110797 mostafiz.rahman@ku.ac.bd Co-investigators Information Mr Mahmud Uz Zaman Assistant Professor Khulna University +8801701831576 mahmud.zaman@ku.ac.bd				
74.	LS2020 1342	Virological investigation of avian influenza and avian corona virus in backyard and commercial poultry in Bangladesh	<b>Applicants Information</b> Prof Rokshana Parvin Department of Pathology, Faculty of Veterinary Science, Bangladesh Agricultural University, Mymensingh 01711045804 rokshana.parvin@bau.edu.bd <b>Co-investigators Information</b> Prof Emdadul Haque Chowdhury Department of Pathology, Faculty of Veterinary Science, Bangladesh Agricultural University, Mymensingh 01712017381 emdad001@yahoo.com	<b>20.00</b>	<b>6.00</b>	<b>8.00</b>	<b>6.00</b>
75.	PS2019 1189	Turning tannery sludge into sustainable green fertilizer through hydrothermal carbonization: a potential soil amendment for future Bangladesh	<b>Applicants Information</b> Dr Md. Azharul Islam Forestry and Wood Technology Discipline, 2nd Academic Building, Khulna University, Khulna 01723910280 iazharul@gmail.com <b>Co-investigators Information</b> Prof Sharif Hasan Limon Forestry and Wood Technology Discipline, 2nd Academic Building, Khulna University, Khulna 01718079616 hasanlimon2000@yahoo.com	<b>12.00</b>	<b>5.00</b>	<b>7.00</b>	
76.	LS2021 1602	<b>Effects of Dietary Sources on Growth, Immunity and Gene Expression of the Orange</b>	Applicants Information Mr MdRashedul Islam Associate Professor Fisheries and Marine Resource Technology (FMRT) Discipline Khulna University +88 01747-929430	<b>20.00</b>	<b>5.00</b>	<b>10.00</b>	<b>5.00</b>

		<b>Mud Crab (Scylla olivacea): Initiatives for Formulating High Quality Feed</b>	<p>mrislam.ku99@gmail.com  Co-investigators Information  Dr MdLifatRahi  Associate Professor  Khulna University  +880 1796-875647  lifatrahi@gmail.com</p>				
77.	LS2021 1681	<b>Melatonin rescues neurobehavioral and reproductive abnormalities, caused by the fungicide, propiconazole in catfish, Mystuscavasius</b>	<p>Applicants Information  Dr Muhammad Badruzzaman  Professor  Bangabandhu Sheikh Mujibur  Rahman Agricultural University  (BSMRAU)  +8801717627748  <a href="mailto:zamanbmb@bsmrau.edu.bd">zamanbmb@bsmrau.edu.bd</a>  Co-investigators Information  Dr Afzal Sheikh  Assistant Professor  Bangabandhu Sheikh Mujibur  Rahman Agricultural University  (BSMRAU)  +88-01810030241  asheikh@bsmrau.edu.bd</p>	<b>20.00</b>	<b>5.00</b>	<b>10.00</b>	<b>5.00</b>
78.	LS2020 1371	<p>• VDR gene expression and vitamin D levels and calcium homeostasis in Bangladeshi Population</p> <p><b>Co-PI should be changed</b></p>	<p><b>Applicants Information</b>  Prof MdZahid Hassan  Dept of Physiology and Molecular Biology, Bangladesh University of Health Sciences (BUHS), 125/1 DarusSaalam Road, Mirpur-1, Dhaka-1216  Mob- 01552300984  mzhassan@buhs.ac.bd;  kcreg@yahoo.com</p> <p><b>Co-investigators Information</b>  Dr MdMasud Iqbal  Dept of Nephrology, SSMC &amp; Mitford Hospital. Dhaka  Land: 880 2 7319002-4, ext 371;  Mob- 01711952011  masud_1232001@yahoo.com</p>	<b>15.00</b>	<b>4.00</b>	<b>7.00</b>	<b>4.00</b>
79.	PS2021 1528	Modelling & Numerical analysis of Nuclear Reactor Pressure Vessel Lower Head Failure under severe accident	<p><b>Applicants Information</b>  Mr Mohammad Khan  Department of Nuclear Engineering, Curzan Hall Campus, Dhaka University  01311408215  mmhkhan.nuclear@du.ac.bd</p> <p><b>Co-investigators Information</b></p>	<b>6.00</b>	<b>6.00</b>		

		conditions with volumetrically heated stratified molten pool using corium simulant.	Mr Md. MahidulProdhan Department of Nuclear Engineering, Curzan Hall Campus, Dhaka University 01719125520 prodhan@du.ac.bd				
80.	LS2021 1642	<b>Effects of Polymorphisms of HLA Class I and Class II Genes on the Variation of Antibody Production due to Vaccination of COVID-19 in Bangladeshi Population</b>	Applicants Information Dr Siddiquil Islam Associate Professor Pharmacy Southeast University 01914726253 siddiquepharmacy@gmail.com Co-investigators Information Prof Abu Mosaddek Professor Southeast University 01711483814 Drmosaddek1968@gmail.com	<b>12.00</b>	<b>4.00</b>	<b>6.00</b>	<b>2.00</b>
81.	PS2021 1624	<b>Development of biomimetic and non-biomimetic electrocatalysts based on iron and other base metals for proton reduction</b>	Applicants Information Dr Shishir Ghosh Associate Professor Chairman, Department of Chemistry Jahangirnagar University 01716401007 sghosh_006@yahoo.com Co-investigators Information Dr. SubasRajbangshi Associate Professor Jahangirnagar University 01841095681 subas_652@yahoo.com	<b>15.00</b>	<b>5.00</b>	<b>6.00</b>	<b>4.00</b>
82.	LS2021 1617	<b>Exposure and risk assessment of land-based pollution with microplastics</b>	Applicants Information Dr Md. Mostafizur Rahman Associate Professor Department of Environmental Sciences JahangirnagarUniversity  01717514833 rahmanmm@juniv.edu Co-investigators Information Dr MashuraShammi Associate Professor Department of Environmental Sciences Jahangirnagar University 01535704505	<b>20.00</b>	<b>5.00</b>	<b>8.00</b>	<b>7.00</b>

			mashura926@juniv.edu				
83.	LS2020 1281	In pursuit of liquid biopsy biomarker for non-invasive detection of bladder cancer in a high risk population exposed to arsenic contamination in Bangladesh	<b>Applicants Information</b> Dr MD ISMAIL HOSEN Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka-1000 +8801911531689 ismail.hosen@du.ac.bd <b>Co-investigators Information</b> Dr SajibChakraborty Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka-1000 +8801632375041 <a href="mailto:sajib@du.ac.bd">sajib@du.ac.bd</a>	<b>16.00</b>	<b>5.00</b>	<b>6.00</b>	<b>5.00</b>
84.	LS2021 1649	<b>In vitro propagation and biochemical analysis of three medicinal plants having anti-viral properties</b>	Applicants Information Dr Subroto Kumar Das Assistant Professor Department of Botany Barisal University 01715540458 mrsbroto@yahoo.com Co-investigators Information Ms Tania Sultana Assistant Professor Barisal University 01726336453 onnashashama@gmail.com	<b>15.00</b>	<b>5.00</b>	<b>6.00</b>	<b>4.00</b>
85.	SD2021 1679	Biofortification of Rice and Wheat: A Novel Approach to Save Life from Malnutrition of Micronutrients	Applicants Information Dr G K M Mustafizur Rahman Professor Department of Soil Science Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) +88 01718186642 mustafiz@bsmrau.edu.bd Co-investigators Information Dr Mohammad SaifulAlam Professor Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) +88 01724720655 saiful@bsmrau.edu.bd	<b>20.00</b>	<b>5.00</b>	<b>8.00</b>	<b>7.00</b>
86.	LS2021 1695	<b>Developing low cost herbal cocktail to</b>	Applicants Information Dr Md. AbulKalam Azad Professor	<b>20.00</b>	<b>5.0</b>	<b>8.0</b>	<b>7.0</b>

		<b>reduce hot-humid summer stress on broilers</b>	Bangladesh Agricultural University +880-1712-174651 azad_animalscience@bau.edu.bd Co-investigators Information Dr Md. Shawkat Ali Professor Bangladesh Agricultural University +880-1717-838105 mdshawkatali.ps@bau.edu.bd				
87.	LS2020 1335	Assessment of the degradation of Teknaf Wildlife sanctuary under the Cox's Bazar South Forest division using remote sensing and GIS technique	<b>Applicants Information</b> Dr MD. DANESH MIAH INSTITUTE OF FORESTRY & ENVIRONMENTAL SCIENCES, UNIVERSITY OF CHITTAGONG, CHITTAGONG 4331 01917094320 dansmiah@gmail.com <b>Co-investigators Information</b> Mr MD. AKHTER HOSSAIN INSTITUTE OF FORESTRY & ENVIRONMENTAL SCIENCES, UNIVERSITY OF CHITTAGONG, CHITTAGONG 4331 01827501435 akhtherhossain2010@gmail.com	<b>5.00</b>	<b>5.00</b>		
88.	LS2020 1464	Investigation on genetic relatedness and transmission of MRSA between companion animals and infected human patients in selective areas of Bangladesh	<b>Applicants Information</b> Prof MD. MAHBUB ALAM Department of Medicine, BAU, Mymensingh-2202, Bangladesh Bangladesh Agricultural University 01733-792435 asamahbub2003@yahoo.com <b>Co-investigators Information</b> Dr Jayedul Hasan Bangladesh Agricultural University Department of Microbiology and Hygiene, BAU, Mymensingh-2202, Bangladesh 01837-580658 ,dr_jahid@bau.edu.bd	<b>15.00</b>	<b>5.00</b>	<b>6.00</b>	<b>4.00</b>
89.	LS2020	Enhancement of drought tolerance	<b>Applicants Information</b> Prof Mohammad	<b>16.00</b>	<b>5.0</b>	<b>6.0</b>	<b>5.0</b>

	1461	in wheat: in vitro androgenesis approach	MehfuzHasanSaikat Department of Genetics and Plant Breeding, BSMRAU, Salna, Gazipur 1706 01552495428 mehfuz@bsmrau.edu.bd <b>Co-investigators Information</b> Prof Md. GolamRasul Department of Genetics and Plant Breeding, BSMRAU,Salna, Gazipur 1706 01715401448 mdgolam60@yahoo.com				
90.	SD2021 1598	<b>Living with pesticide in the environment: Hazards, awareness, food safety and mitigation options against pesticide menace in Bangladesh.</b>	Applicants Information Prof Dr. M. Rabiul Karim Professor Anatomy and Histology Bangladesh Agricultural University 01730721613 mrabiulkarim@bau.edu.bd Co-investigators Information Prof. Dr. Md. Anawarul Abedin Professor Soil Science Bangladesh Agricultural University 01718081668 m.a.abedin@bau.edu.bd	<b>18.00</b>	<b>5.0</b>	<b>8.0</b>	<b>5.0</b>
91.	LS2021 1616	<b>COMPARATIVE EFFECT OF MUSTARD AND SOYBEAN OILS ON CARDIOMETABOLIC RISK FACTORS AMONG TYPE 2 DIABETIC SUBJECTS</b>	Applicants Information Dr Masfida Akhter Associate Professor Biochemistry and Cell Biology Hamdard University Bangladesh 01819137991 masfida@hamdarduniversity.edu.bd Co-investigators Information Dr. Liaquat Ali Professor Biochemistry and Cell Biology Hamdard University Bangladesh 01819229382 liaquat@pihs.ac.bd	<b>6.0</b>	<b>6.0</b>		
92.	SD2021 1555	<b>Production, Characterization and Application of Bio-char Derived from</b>	Applicants Information Dr Md. KhairulBhuiyan Professor Physics Bangladesh Agricultural University	<b>15.00</b>	<b>4.00</b>	<b>6.00</b>	<b>5.00</b>

		<b>Livestock Wastes for Utilization in Soil Fertility and Renewable Energy Development</b>	+8801726062575 bhuiyan.phy@bau.edu.bd Co-investigators Information Dr Mukhlesur Rahman Professor Bangladesh Agricultural University +8801933548922 mmrahman@bau.edu.bd				
93.	PS2020 1298	Remote sensing based Onion crop yield monitoring and forecasting system in Bangladesh	<b>Applicants Information</b> Dr Hasan Abdullah GIS and Remote Sensing Lab., Department of Agroforestry and Environment, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur 01767695926 hasan.abdullah@bsmrau.edu.bd <b>Co-investigators Information</b> Prof Md. Giashuddin Miah Office of the Vice-Chancellor, Bangabandhu Sheikh Mujibur Rahman Agricultural University 01715401443 giash1960@gmail.com	<b>8.00</b>	<b>4.00</b>	<b>4.00</b>	
94.	MRS20 201521	Analysis the diversity of Microbial Pollution indicators at Karnafuliriver estuary, Chattogram: Impacts study based on coastal ecosystem and livelihood	<b>Applicants Information</b> Dr MD. WAHIDUL ALAM Associate Professor, Department of Oceanography, University of Chittagong, Chattogram-4331 +88017111199318 wahidul.alam@cu.ac.bd <b>Co-investigators Information</b> Mr MD. ENAMUL HOQUE Assistant Professor, Department of Oceanography, University of Chittagong, Chattogram, 01733817080 enamul_imsf@cu.ac.bd	<b>10.00</b>	<b>4.0</b>	<b>6.0</b>	
95.	LS2021 1541	Effects of endophytic yeasts Pichiafermantans and Meyerozymacari bbica on gut microbiota, reproductive	<b>Applicants Information</b> Dr Mohammad Abdus Salam Associate professor, Department of Genetics and Fish Breeding, BSMRAU, Gazipur-1706, +88-01757111593 salamfish@bsmrau.edu.bd <b>Co-investigators Information</b> Dr SabujKantiMazumder Assistant Professor, Department	<b>19.00</b>	<b>5.0</b>	<b>8.0</b>	<b>6.0</b>

		performances, gonadal & larval development & growth & survival of fry of <i>Barbonymus gonionotus</i>	of Genetics and Fish Breeding, BSMRAU, Gazipur-1706, +88-01717386047 sabujgfb@bsmrau.edu.bd				
96.	LS2021 1652	<b>Mental health sequelae among Traumatic Brain Injury survivors in Bangladesh</b>	<b>Applicants Information</b> Prof Dr. Parveen Huque Professor Clinical Psychology Dhaka University 01715150144 phuque11@gmail.com <b>Co-investigators Information</b> Mr Shahanur Hossain Assistant Professor Dhaka University 01763667040 shossain_cp@du.ac.bd	<b>10.00</b>	<b>4.0</b>	<b>6.0</b>	
97.	LS2021 1593	<b>Genotyping markers in fecundity genes: towards a marker assisted selection for high prolificacy in Bangladeshi goat and sheep</b>	<b>Applicants Information</b> Dr Ashutosh Das Professor Department of Genetics and Animal Breeding Chittagong Veterinary and Animal Sciences University (CVASU) 01675725800 ashutosh.das@cvasu.ac.bd <b>Co-investigators Information</b> Prof Omar Faruk Miazi Professor Chittagong Veterinary and Animal Sciences University (CVASU) 01716405111 f_cvasu@yahoo.co.in	<b>18.00</b>	<b>5.0</b>	<b>8.0</b>	<b>5.0</b>
98.	ET2021 1588	<b>Design and development of single-mode core polymer optical multimode interference</b>	<b>Applicants Information</b> Dr Md. Omar Faruk Rasel Associate Professor Physics Discipline Khulna University 01717815313 ofr_ju@phy.ku.ac.bd	<b>10.00</b>	<b>5.0</b>	<b>5.0</b>	



		<b>based Y-branch coupler and Mach-Zehnder interferometer waveguides for high-performance computing systems</b>	<b>Co-investigators Information</b> Ms Preangka Roy Assistant Professor Khulna University 01730867483 preangka.666@gmail.com				
<b>Total Allocation</b>				<b>1415.60</b>	<b>430.60</b>	<b>641.00</b>	<b>344.00</b>

**1<sup>st</sup> year Projects- 08**

**2<sup>nd</sup> year Projects- 15**

**3<sup>rd</sup> year Projects- 75**