

## Biological Sciences Group

### Sylhet Agriculture University, Sylhet

SL. No.	Gr. SL.	Name of the Principal Investigator & Associate Investigator	Address of the Principle Investigator	Project Title	Recommended Grant Amount
276.	25 BS	Prof. Dr. Md. Abdul Baset Anzuman Ara Associate Professor	Department of Livestock Production and Management, Sylhet Agricultural University, Sylhet	Source of variation in milk urea nitrogen of crossbred dairy cow in Sylhet Division.	3Lac
277.	6 BS	Professor. Dr. Md. Hasanuzzaman Talukder Anita Rani Dey Assistant Professor	Department of Parasitology, Faculty of Veterinary Science, Bangladesh Agricultural University, Mymensingh	Rapid Diagnostic Methods Development for Transboundary and Emerging Parasitic Diseases of Animals	3 Lac
278.	41 BS	Dr. Md. Sazzad Hossain Associate Professor Zannatul Ferdous Lecturer	Department of Aquaculture Bangladesh Agricultural University, Mymensingh	Substitution of fishmeal with bloodmeal in pelleted feed for the growth and production of walking catfish <i>Clarias batrachus</i>	2 Lac
279.	42 BS	Professor Dr Md Azharul Hoque Mr. Shuvro Debnath Lecturer	Department of Animal Breeding and Genetics, Bangladesh Agricultural University, Mymensingh	Community driven breeding scheme using Indigenous and Brahman inheritance for the development of beef breed in Bangladesh	3 Lac
280.	45 BS	Professore Dr. Md. Anamul Hoque Dr. Mahmud Hossain Sumon Associate Professor	Department of Soil Science, Bangladesh Agricultural University, Mymensingh	Integrated Plant Nutrient Management For Improving Soil Fertility and Crop Productivity In Intensive Cropping Systems.	2 Lac
281.	47 BS	Professor Dr. M. Ali Akbar Dr. Mohammad Shohel Rana Siddiki Associate Professor	Department of Animal Nutrition, Bangladesh Agricultural University, Mymensingh	Introduction of fodder preservation and storage system for feeding dairy cows during flood and lean period in Baghabari area for increased milk yield and economic benefit of the farmers	3 Lac
282.	64 BS	Professor Dr M. A. Rahim Dr. Md. Ashraf Islam Associate Professor	Bangladesh Agricultural University Germplasm Centre (BAU-GPC), Mymensingh	Continuation of strengthening the BAU Germplasm Center for Fruit Research, Development, technology generation, Education and Extension.	4 Lac
283.	137 BS	Professor Md. Siddikur Rahman Professor Dr. Md. Nurul Hoque	Dept. of Farm Structure and Environmental Engineering, Bangladesh Agricultural University, Mymensingh.	Feasibility study of using rice fields as a wastewater treatment plant	2 Lac
284.	140 BS	Professor Dr. Md. Alamgir Hossain Md. Rezwanaul Haque Assistant Professor	Department of Crop Botany, Bangladesh Agricultural University (BAU), Mymensingh	Water-soluble chlorophyll production: A health beneficial bioactive molecule derived from natural chlorophyll.	3 Lac
285.	184 BS	Professor Dr. Mohammd Moniruzzaman Professor Dr. Md. Ruhul Amin	Department of Animal Science, Bangladesh Agricultural University, Mymensingh	Performance of Black Bengal kids fed different levels of milk	3 Lac
286.	185 BS	Professor Dr. Md. Harun-ur-Rashid Dr. Mohammad Ashiqul Islam Assistant Professor	Department of Dairy Science, Bangladesh Agricultural University, Mymensingh	Development of Functional Dahi (Yoghurt) by lactic acid bacteria (LAB) culture isolated from natural flora	3 Lac
287.	186 BS	Prof. Dr. Md. Rafiqul Alam Dr. Marzia Rahman	Department of Surgery & Obstetrics, Faculty of Veterinary Science, Bangladesh Agricultural University (BAU), Mymensingh	Management of External Wounds Using Autogenous and Homogenous Skin Grafts in Goats	3 Lac
288.	194 BS	Professor Dr. M. Afzal Hossain Md. Nurealam Siddiqui Lecturer	Department of Biochemistry and Molecular Biology, Bangladesh Agricultural University, Mymensingh	Biochemical and molecular characterization of rice genotypes under salt stress	3 Lac
289.	350 BS	Professor Dr. Syed Md. Ehsanur Rahman Professor Dr. Md. Mukhlesur Rahman	Department of Animal Science, Bangladesh Agricultural University, Mymensingh	Effect of feeding systems on lamb carcass and meat quality	3 Lac
290.	7 BS	Mr. Umakanta Sarkar Associate Professor Dr. Md. Liakat Ali Lecturer	Dept. of Genetics and plant Breeding, BSMRAU, Gazipur	Total antioxidant activity, total polyphenol, total flavonoid, bioactive and antioxidant compositions and variability in vegetable amaranth.	3 Lac
291.	20 BS	Dr. Md. Azizul Hoque Associate Professor Jahidul Hassan Assistant Professor	Department of Horticulture, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur	Value addition in jackfruit, pineapple and banana through developing protocol of different processed products	3 Lac

292.	24 BS	Prof. Dr. M. Mofazzal Hossain Prof. Dr. Mohammad Zakaria	Department of Horticulture, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Salna, Gazipur	Collection, Evaluation and Molecular Characterization of Strawberry Genotypes for Tropical Variety Development	3 Lac
293.	255 BS	Professor Zeba I. Seraj Md. Sazzadur Rahman Senior Scientific Officer	Dept. of Biochemistry and Molecular Biology, University of Dhaka, Dhaka	Stability of helicase gene expressing for conferring salt tolerance across several generations of transgenic rice.	4 Lac
294.	26 Phy's (38 BS)	Professor A.H.M. Nurun Nabi Taibur Rahman Assistant Professor	Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka	Analysis of genetic, allelic and functional variations of superoxide dismutase, catalase and glutathione peroxidase enzymes in heavy metal exposed Bangladeshi population.	3 Lac
295.	262 BS	Dr. Kabita Anzu-Man-Ara Scientific Officer Dr. S M Sharifuzzaman Scientific Officer	Floriculture Division, Horticulture Research Center, Bangladesh Agricultural Research Institute (BARI), Gazipur	Quality Flower Production, Post Harvest Maintenance and Dissemination of Gladiolus and Tuberose Varieties	2 Lac
296.	228 BS	Professor Dr. Md. Anis Khan Professor Dr. Mohammad Ahsanul Kabir	Department of Horticulture, Hajee Mohammad Danesh Science and Technology University (HSTU), Dinajpur	Improvement Of Yield And Nutritional Quality Of Cucumber (Cucumis Sativus L.) By The Application Of Plant Growth Hormone At Different Growth Stages Of Plant.	3 Lac
297.	235 BS	Professor Dr. Sripati Sikder Md. Rabiul Islam Assistant Professor	Department of Crop Physiology and Ecology, Hajee Mohammad Danesh Science and Technology University, Dinajpur	Eco-Physiological Basis Of Drought And Heat Tolerance In Wheat	2 Lac
298.	238 BS	Prof. Dr. M. Shahadat Hossain Khan Dr. Afrin Akhter Assistant Registrar	Department of Soil Science, Hajee Mohammad Danesh Science and Technology University (HSTU), Dinajpur	Inhibiting Biodegradation of Soil Organic Matter by Decomposition Inhibitors	3 Lac
299.	318 BS	Professor Dr. Md. Najim Uddin Rubeca Fancy Associate Professor	Department of Agricultural Chemistry, Faculty of Agriculture, Hajee Mohammad Danesh Science and Technology University (HSTU), Dinajpur	Cold stress survival mechanism of Boro Rice seedlings under low temperature environment in Northwest Bangladesh	2 Lac

### Medical Sciences Group

300.	1 MED: S	Dr. Ismat Ara Associate Professor Dr. Kazi Lutfor Rahman	Department of Oral & Maxillofacial Surgery Dhaka Dental College & Hospital, Mirpur- 14, Dhaka.	Correction for Enophthalmos by Titanium Mesh in Case of Orbital Floor Fracture.	3 Lac
301.	80 MED: S	Dr Shirin Akter Begum Associate Professor Dr Rezaul Karim Kazal Associate professor	Department of Obstetrics & Gynecology, Banga Bandhu Sheikh Mujib Medical University, Shahbag, Dhaka	Early detection and control of gestational trophoblastic tumor.” cross sectional study.	2 Lac
302.	38 MED: S	Dr Md Omar Faruque Associate Professor Professor Dr Zahid Hassan	Dept of Molecular Biology, University of Health Sciences (BUHS), 125/1 Darus Salam, Mirpur-1, Dhaka	Anti-diabetic effect of Oyster mushroom through activation of AMPK (Adenosine 5'-monophosphate activated protein kinase) pathway	3 Lac
303.	52 MED: S	Dr Quamrun Nahar Sr Research Officer Professor Subhagata Choudhury	Department of Biochemistry and Cell Biology, Research Division, 122 Kazi Nazrul Islam Avenue, Shahbag, Dhaka	Relationship between food security and metabolic syndrome of bangladeshi adult population	2 Lac

### Engineering And Applied Science Group

304.	18 EAS	Dr. Muhammed Yusuf Miah Associate Professor Md. Towhidul Islam Assistant Professor	Department of Applied Chemistry and Chemical Engineering, Noakhali Science and Technology University, Sonapur, Noakhali	Method development for minimizing the toxic effects of artificially ripening agents (calcium carbide, ethephon) containing fruits and a comparative study between Formalin and Calcium carbide on the basis of Carcinogenicity for public health safety.	3 Lakh
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### Physical Science Group

305.	6 Phy's	Professor Dr. Tapan Kumar Saha Nikhil Chandra Bhoumik Assistant Instrument Engineer	Department of Chemistry, Jahangirnagar University, Savar, Dhaka	Absorption of Reactive Dyes onto Biodegradable Rice Husk in Aqueous Solution	5 Lakh
306.	374 BS	Professor Dr. A.F.M. Saiful Islam Md. Mehedi Hasan Lecturer	Department of Crop Botany and Tea Production Technology, Faculty of Agriculture, Sylhet Agricultural University, Sylhet	Selection of suitable cultivars of sweetpotato for higher yield at Sylhet region.	2 Lac
307.	269 BS	Dr. Abdullah Mohammad Shohael Associate Professor	Department of Biotechnology & Genetic Engineering, Jahangirnagar University, Savar, Dhaka.	High frequency plant regeneration through somatic embryogenesis and detection of somaclonal variation at	3 Lac

		M. Rezaul Karim, Ph.D Assistant Professor		the nucleotide sequence level in local aromatic rice cultivars in Bangladesh	
308.	121 ES	Mr. Tofayel Ahamed Associate Professor Shohana Parvin Assistant Professor	Department of Agroforestry and Environment, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur.	Remote Sensing Based Carbon Stock Measurement of Modhupur Sal Forest	3 Lac
309.	121 BS	Professor Dr. Mohammad Nurul Islam Professor Dr. M. Imdadul Hoque	Plant Breeding and Biotechnology Laboratory, Department of Botany, University of Dhaka, Dhaka	Construction of an anti-viral vector targeting replicase and silencing suppressor gene of Tomato Leaf Curl Virus (ToLCV)	3 Lac
310.	54 BS	Professor Dr. Md. Delowar Hossain Mohammad Kabirul Islam Assistant Professor	Dept. of Soil Science, Patuakhali Science and Technology University, Dumki, Patuakhali	Screening of HYV rice variety in respect of nutrient management for coastal regions of Bangladesh.	3 Lac
311.	323 BS	Professor Dr. A.S.M. Iqbal Hussain A. B. M. Mahbub Morshed Khan Assistant Professor	Department of Agronomy, Patuakhali Science and Technology University, Dumki, Patuakhali	Collection, Purification, Preservation and Improvement of Local Rice Cultivars in Southern Regions of Bangladesh	3 Lac
312.	86 BS	Dr. Jahangir Alam Chief Scientific Officer Shohel Mahmud Scientific Officer Animal	Animal Biotechnology Division, National Institute of Biotechnology (NIB), Ganakbari, Ashulia, Savar, Dhaka	Anti-NDV (Newcastle Disease Virus) activity of <i>Aloe vera</i> available in Bangladesh	3 Lac
313.	87 BS	Dr. Md. Abdul Alim Senior Scientific Officer Mridha Md. Kamal Hossain Scientific Officer Animal	Animal Biotechnology Division, National Institute of Biotechnology (NIB), Ganakbari, Ashulia, Savar, Dhaka	Identification of single nucleotide polymorphisms (SNPs) as genetic marker for resistance traits to gastrointestinal nematode infections(GNI) in Black Bengal Goat	3 Lac
314.	21 EAS	Professor Dr. Mohd. Maniruzzaman Basir Ahmed Assitant Professor	Department of Applied Chemistry & Chemical Technology, Islamic University, Kushtia	Production of Bio-plastics from Bio-renewable Okra ( <i>Abelmoschus esculentus L.</i> ) Fibres of Bangladesh	3 Lakh
315.	30 EAS	Dr. Md. Hafezur Rahman Associate Professor Mst. Ayesha Akther Zaman Associate Professor	Department of Applied Chemistry & Chemical Technology, Islamic University, Kushtia	Preparation and characterization of fiber reinforced poly (lactic acid) composites.	3 Lakh