

Research Management Wing
Bangabandhu Sheikh Mujibur Rahman Agricultural University
Gazipur 1706

List of Selected Research Assistant 2023

13th Meeting

Sl. No.	Project Title	Name of PI	Source of Project Fund	Student Name & Reg. No.
1.	Management of Sucking Insect Pests of Okra using New Insecticides: Impact on Virus Disease and Biodiversity of Beneficial Arthropods Year: 2021-2022	Prof. Dr. Md. Ramiz Uddin Miah, ENT	UGC	Md. Jobayer Ahmed Dept. of Agronomy Reg. No. 22-05-6113
2.	Assessment of Resident' Perception on Land use Dynamics and Urban Agriculture of Dhaka Metropolitan Area Year: 2021-2024	Dr. Muhammad Ziaul Hoque, Assoc. Prof., AER	RMW, BSMRAU	Juana Sultana Jothi Dept. of Agricultural Extension and Rural Development Reg. No. 2017-05-4417 01886171429 juanajothi17@gmail.com
3.	Projection of Suitable Tea Growing Areas in Northern Bangladesh under Changing Climate Scenarios Year: 2022-2025	Dr. Foyez Ahmed Prodhan, Assoc. Prof., AER	RMW, BSMRAU	Md. Masud Mia Dept. of Agricultural Extension and Rural Development Reg. No. 2002-05-6091 01320861706 masudmia.bsmrstu102@gmail.com
4.	Monitoring Fodder Quality using UAV-Based Multispectral Imaging and Field Sampling Year: 2022-2025	Dr. Hasan Muhammad Abdullah, Assoc. Prof., AFE	RMW, BSMRAU	Md. Arifur Rahman Dept. of Agroforestry & Environment Reg. No. 2017-05-4457 01874836920 arif17054457@gmail.com
5.	Assessment of the Effect of Day and Night Temperature Regime on Frit Setting of Different Hybrid Summer Tomato Cultivated in Bangladesh Year: 2021-2022	Dr. Md. Raihan Taluker, Assoc. Prof., ENS	UGC	Nahid Al Hasan Bappy Dept. of Environmental Science Reg. No. 2017-05-4314 01521306404 nahidalhasan10@gmail.com
6.	Control of Cercospora Leaf Spot of Naturally Infected Indian Spinach Year: 2022-2025	Dr. Shaikh Sharmin Siddique, Asst. Prof., PLP	RMW, BSMRAU	Pallab Ghosh Dept. of Plant Pathology Reg. No. 2017-05-4188 01524406620 pallabbsmrau@gmail.com

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7.	Genome-wide Identification and Characterization of MATE Gene Families and their Associated Regulatory Elements in Common Bean and Papaya using Integrated Bioinformatics Approaches Year: 2022-2025	Prof. Dr. Mohammad Nazmol Hasan, STT	RMW, BSMRAU	Md. Robin Islam Dept. of Genetics and Plant Breeding Reg. No. +880303222521 irobin632@gmail.com
8.	Exogenous Application of Abscisic Acid and Jasmonic Acid on <i>Stevia rebaudiana</i> Growth and Development under Heavy Metal Stress Year: 2022-2025	Prof. Dr. Md. Ashraful Haque, IBGE	RMW, BSMRAU	Atofa Naz Institute of Biotechnology and Genetic Engineering Reg. No. 21-11-5725 01825345310 atofanazjamee@gmail.com
9.	Development of Blast Resistant Wheat Variety through Introgression of Rmg8 and RmgGR119 Genes into the Local Wheat Varieties of Bangladesh Year: 2020-2023	Prof. Dr. Md. Tofazzal Islam, IBGE	RMW, BSMRAU	Md. Julfikar Ali Institute of Biotechnology and Genetic Engineering Reg. No. 01521253424 julfikarhstu.ac.bd@gmail.com
10.	Crop Suitability mapping and Exploring Improved Cropping Patterns for Coastal Saline Ecosystem of Bangladesh Year: 2022-2025	Dr. Satyen Mondal, Asst. Prof., AFE	RMW, BSMRAU	Noorun Nahar Setu Dept. of Agroforestry and Environment Reg. No. 2008-05-2084 01633932950 nahar_khan77@yahoo.com
11.	Factors Influencing Pathogenic Bacteria in Poultry Manur Year: 2021-2024	Dr. Md. Aminul Islam, Assoc. Prof., MED	RMW, BSMRAU	Tania Sultana Dept. of Medicine Reg. No. 17-05-4379 01517078921 tanasultana4123@gmail.com
12.	Epidemiology and Molecular Characterization of Important Intestinal Zoonotic Protozoan Parasites in Domestic Pigs and their Handlers in Chattogram Hill Tracts Year: 2021-2024	Dr. Md. Robiul Karim, Assoc. Prof., MED	RMW, BSMRAU	Tania Sultana Dept. of Medicine Reg. No. 17-05-4379 01517078921 tanasultana4123@gmail.com
13.	Antibody Detection and Molecular Characterization of <i>Toxoplasma gondii</i> from Domestic Cat (<i>Felis catus</i>) in Dhaka City Year: 2021-2022	Dr. Md. Robiul Karim, Assoc. Prof., MED	UGC	Md. Farhan Hasan Dept. of Medicine Reg. No. 2017-05-4361 01816867944 mdfarhanhasan123@gmail.com
14.	Morphological and Molecular Investigation of Gastrointestinal Helminths of Indigenous Chicken in Gazipur District Year: 2022-2025	Dr. Fahima Khatun, Assoc. Prof., PBL	RMW, BSMRAU	Uzzal Sarker Dept. of Anatomy and Histology 01621276039 uzzalsarker597@gmail.com

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15.	Development of Mass Culture Technology of <i>Spirulina Spirulina platensis</i> Based on Low-cost Media and its Application in Rearing Fish Larvae Year: 2022-2025	Prof. Dr. Md. Amzad Hossain, AQC	RMW, BSMRAU	Tonay Chandra Khajanchi Bachelor of Science in Fisheries Reg. No. 2018-05-4650 01886416248 tonaychandrakhajanchi@gmail.com
16.	Screening of Antimicrobial Substances and Antibiotic Resistant Genes (ARG) in the Fish Culture System of Bangladesh: State of Antimicrobial Resistance (AMR) Year: 2021-2024	Dr. Md. Shakhawate Hossain, Assoc. Prof., FBE	BANBEIS, MoE	Sutapa Debi Dept. of Genetics and Fish Breeding Reg. No. 01632605718 sutapadebi393@gmail.com
17.	Microbial Diversity in Some Major Agro-Ecological Zones of Bangladesh Year: 2023-2026	Prof. Dr. GKM Mustafizur Rahman, SSC	BAS-USDA	Ibne Saleh Md. Farhad Senior Scientific Officer BARI, Gazipur 01717476320 farhadsau@gmail.com
18.	Development of Drought Tolerant Doubled Haploid Eggplant Lines for Braird Tract Utilizing Local and Exotic Germplasm Year: 2023-2026	Prof. Dr. Mohammad Mehruz Hasan Saikat, GPB	BAS-USDA	Md. Samsuzzaman Dept. of Genetics and Plant Breeding Reg. No. 2022-11-6140 01777674929 zaman.sau1978@gmail.com
19.	Extreme Ambient Temperature Effects in Kalibaus (<i>Labeo calbasu</i>): metabolic, enzymatic and hemato-biochemical responses Year: 2021-2022	Dr. Sabuj Kanti Mazumder, Asst. Prof., GFB	UGC	Masuda Sultana Mimi Dept. of Genetics and Fish Breeding Reg. No. 01788558545 sultanamimi1398@gmail.com
20.	Persistence and Risk Assessment of Emamectin Benzoate Residues in Brinjal Vegetables Year: 2021-2022	Prof. Dr. Habibur Rahman, ENT	UGC	Md. Obydullah Sheikh Dept. of Entomology Reg. No. 01740708546 anondosheikh5@gmail.com
21.	Innovative Washing Technology of Fruits and Vegetables for Shelf-Life Extension Year: 2022-2025	Dr. Md. Nahidul Islam, Asst. Prof., AGP	RMW, BSMRAU	Nikhil Kumar Dept. of Agro Processing Reg. No. 2021-11-6148 01763987577 nikhilkumerjust@mail.com
22.	IoT Based Smart Plant Health Monitoring System Year: 2021-2022	Dr. Gonesh Chandra Saha, Assoc. Prof., CST	UGC	Sumaiya Akter Ruponti Dept. of Crop Botany Reg. No. 01856993534 summiear1999@gmail.com

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23.	Effect of Different Levels of Fertilizers and Types of Mulching Materials on the Growth and Yield of Sweet Potato Year: 2021-2022	Prof. Dr. Md. Abiar Rahman, AFE	UGC	KH Armane Alam Dept. of Agroforestry and Environment Reg. No. 2022-05-6104 01303111224 khondokararman516@gmail.com
24.	Optimization and Use of Drone-based High Throughput Phenotyping Techniques in Breeding Experiments Conducted through multi-environment AGGRi Network Trials in Bangladesh Year: 2022-	PI: Prof. Dr. AKM Aminul Islam, GPB Co-PI: Dr. Hasan M. Abdullah, AFE	IRRI, AGGRi Network	Tasfia Binte Anam Priya Dept. of Genetics and Plant Breeding Reg. No. 18-05-4537 01625246102 tasfiapriya1998@gmail.com
				Tanvir Ahmmmed Dept. of Agroforestry and Environment Reg. No. 2017-05-4251 tanvir.bsmrau@gmail.com
25.	Isolation and Molecular Characterization of Lignin-degrading Bacteria towards Improving Nutritional Quality of Rice Straw Year: 2021-2022	Prof. Dr. Md. Morshedur Rahman, DPS	UGC	Sabrina Zaman Seema Dept. of Dairy and Poultry Science Reg. No. 01516118106 sabinazaman1@gmail.com
26.	Effect of Bifidobacteria to Combat Salmonella Infection in Broiler Chickens Year: 2022-2023	Prof. Dr. Md. Morshedur Rahman, DPS	UGC	Moin Uddin Dept. of Animal Science and Nutrition Reg. No. 2016-05-4031 01798635973 moinuddinbsmrau@gmail.com

14th Meeting

Sl. No.	Project Title	Name of PI	Source of Project Fund	Name of Student, Reg. No. & Dept.	Remark
1.	Mining GABA Producing Probiotic Lactic Acid Bacteria to Formulate Bio-Functional Fermented Milk Project Year: 2022-2026	Prof. Dr. Md. Morshedur Rahman, DPS	BAS-USDA	Kazi Md. Al-Noman Dept. of Dairy and Poultry Science Reg. No. 2016-11-4136 01723934704 kazialnoman51@gmail.com	From 01 June 2023
2.	Development of an Effective and Nobel Biofungicide Formulation for the Sustainable Management of Wheat Blast Year: 2023-2026	Prof. Dr. Md. Tofazzal Islam, IBGE	BAS-USDA	Amal Chandra Manidas Institute of Biotechnology & Genetic Engineering 01920787708 amal_manidas@yahoo.com	From 01 June 2023
3.	Wheat Diseases Early Warning Advisory System (DEWAS) Year: 2023-2026	Prof. Dr. Md. Tofazzal Islam, IBGE	Bill & Melinda Gates Foundation, USA and FCDD, UK	Shamfin Hossain Kasfy Institute of Biotechnology and Genetic Engineering Reg. No. 17-05-4221 01533981664 shamfinhossain@gmail.com	From May 2023

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4.	Omics Food and Nutritional Security-Platform Technologies to Enhance Crop Genetic Resources and Food Value Chains in Bangladesh (OFANS) Year: 2020-2023	Prof. Dr. Md. Tofazzal Islam, IBGE	BARC-GIFS (KGF)	Aril Agnila Rahman Institute of Biotechnology and Genetic Engineering Reg. No. 17-05-4252 arinagnila@gmail.com	From June 2023
5.	Taxonomic Study Leafhopper and Planthopper Associated with Rice Based Agro-ecosystem in Bangladesh Year: 2021-2022	Dr. Md. Shamim Hossain, Assoc. Prof., ENT	UGC	Shabiha Munmun Reg. No. 18-05-4538 Dept. of Entomology 01531729325 munmunkhan538@gmail.com	
6.	Assessing Potential Impact of Bt Eggplants on Non-Target Arthropods in Bangladesh Year: 2021-2022	Prof. Dr. Md. Ruhul Amin, ENT	UGC	Tayaba Akter Koli Dept. of Entomology Reg. No. 18-05-4565 01645852019 tayyabakoli2000@gmail.com	
7.	Integrated Management of Arthropod Pests of Malta and Dragon Fruit Crops in Madhupur Tract of Bangladesh (TF108-C/23) Year:2023-2026	Prof. Dr. Md. Ruhul Amin, ENT	KGF	Md. Ayub Ali Dept. of Entomology Reg. No.2018-05-4585 01760536444 ayubali4585@gmail.com	
8.	Assessment of Morphological Characteristics and Biochemical Traits Influencing Resistant or Tolerant to Brinjal Shoot and Fruit Borer Year: 2021-2022	Prof. Dr. Md. Ahsanul Haque, ENT	UGC	Md. Iqbal Hossain Dept. of Entomology Reg. No. 2022-05-6093 01521546865 ikbalhossain4385@gmail.com	
9.	Application of Complex Edible Coating to Extend Shelf life of Green Chilli Year: 2021-2022	Dr. Md. Nahidul Islam, Asst. Prof., AGP	UGC	Abu Saleah Md. Rayhan Dept. of Agro-processing Reg. No. 23-05-6531 01814427903	
10.	Development of Onion Variety through Induced Mutation Year: 2021-2024	Prof. Dr. Md. Golam Rasul, GPB	RMW, BSMRAU	Sabuj Rahman Dept. of Genetics and Plant Breeding Reg. No. 2018-05-4564 01751349668	
11.	Antioxidant and antimicrobial potential of stevia (<i>Stevia rebaudiana</i> Bertoni) Leaf Extracts and their Application in Fish Preservation Year: 2021-2024	Prof. Dr. A. K. M. Azad Shah, FIT	RMW, BSMRAU	Atoshi Chakma Dept. of Fisheries Technology Reg. No. 2017-05-4340 atoshi109@gmail.com	
12.	Development and Evaluation 7×7 Diallel Experimental Hybrid Population of Sweet Gourd Year: 2021-2022	Prof. Dr. Mohammad Sharif Raihan, GPB	UGC	Sazia Islam Liya Dept. of Genetics and Plant Breeding Reg. No. 2018-05-4582 01705219121 saziislam1999@gmail.com	

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13.	Exploring Genetic Architecture of Grain Yield Quality Traits in a 8-way Indica by Indica Rice MAGIC Population Year: 2022-2025	Prof. Dr. Mohammad Sharif Raihan, GPB	BANBEIS, MoE	Rokaiya Khanom Dept. of Genetics and Plant Breeding Reg. No. 01881468319 jaminykhan4@gmail.com	
14.	Screening for the Development of High Yielding Early Maturing Soybean Genotypes for Rabi Season Year: 2022-2023	Dr. Liakat Ali, Assoc. Prof., GPB	UGC	Nour Mohammad Faruky Siam Dept. of Genetics and Plant Breeding Reg. No. 2022-05-6081	
15.	DNA Fingerprinting of Rice Germplasm for Salinity Tolerance at Seedling Stage Year: 2022-2023	Prof. Dr. A.K.M Aminul Islam, GPB	UGC	Falguni Akter Shraboni Dept. of Genetics and Plant Breeding Reg. No. 2018-05-4546 01836096216 shraboni.agri@gmail.com	
16.	Influence of Human Capital in Adoption of Good Agricultural Practices for Vegetable Protection by the Growers in Narsingdi District Year: 2022-2023	Prof. Dr. Md. Safiul Islam Afrad, AER	UGC	Md. Shibly Sadik Dept. of AER Reg. No. 18-05-4633 01757531079 shiblysadik717177@gmail.com	
17.	A Study to Estimate the Hazardous Converted Chemical Beneze from Sodium Benzoate, A Commonly used Preservative in Mango Juice in Bangladesh Year: 2022-2023	Dr. Afzal Sheikh, Asst. Prof., BMB	UGC	Kazi Raghil Ashab Dept. of Horticulture Reg. No. 2018-05-4543 01876593203 raghibashab@gmail.com	
18.	Enhancement of Drought Tolerance of Wheat using Plant Growth Promoting Rhizobacteria Year: 2021-2022	Dr. Mohammed Mohi-Ud-Din, Assoc. Prof., CBT	UGC	Mahmudul Hasan Tahery Dept. of Crop Botany Reg. No. 18-05-4560 mahmudulhtahery@gmail.com	
19.	Extraction and Characterization of Alginate from <i>Sargassum</i> sp. Collected from Bay of Bengal, Cox's Bazar Year: 2022-2023	Prof. Dr. S. M. Rafiquzzaman, FBE	UGC	Mehedi Hasan Ayon Dept. of Fisheries Biology and Aquatic Environment Reg. No. 01521260339 mehedihasanayon893@gmail.com	
20.	Effect of Seaweed Supplementation with Moringa Extract on Productive and Reproductive Performance of Native Duck Year: 2022-2023	Dr. Md. Mazharul Islam, Assoc. Prof., ABG	UGC	Munmun Akter Dept. of Animal Science & Nutrition Reg. No. 22-05-6102 01795573158 munmunakter472@gmail.com	
21.	Antimicrobial Potential and Mechanistic Actions of Marine Macroalgae Associated Bacteria and Bio-inspired Nanoparticles Against Major Pathogens of Rice in	Prof. Dr. Md. Mahidul Islam Masum, PLP	RMW, BSMRAU	Fahmida Khatun Dept. of Plant Pathology Reg. No. 18-05-4635 01796297868	

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	Bangladesh Year: 2021-2024			fahmidasinthybsmau@gmail.com	
22.	Exploring and Designing a Business Model for Rice Production under Circular Economy in Bangladesh Year: 2022-2025	Prof. Dr. Md. Monjurul Islam, RDV	RMW, BSMRAU	Shohanur Rahman Dept. of Agricultural Economics Reg. No. 18-05-4810 01739259838 shohanorsohag@gmail.com	
23.	Maturity Staging and Application of Antagonistic Bacteria for the Expansion of Shelf life of BU Papaya-1 (Top Lady) Year: 2022-2025	Prof. Dr. Md. Fakhrul Hasan, HRT	BANBEIS, MoE	Ahsan Habib Dept. of Horticulture Reg. No. 18-05-4557 ahsanhabib0018@gmail.com	
24.	Improving Yield Performance and Alleviation of Excess Soil Moisture Stress in Soybean through Application of Potassium Fertilizer Year: 2021-2022	Prof. Dr. Md. Abdullah Al Mamun, AGR	UGC	Ummay Habiba Dept. of Agronomy Reg. No. 18-05-4603 ummayhabibaag@gmail.com	
25.	Assessment of Heavy Metals from Indian Major Carp (<i>Labeo rohita</i>) Commercial Aquaculture System in Bangladesh and Human Consumption Risk Year: 2022-2023	Dr. Md. Emranul Ahsan, Assoc. Prof., FMG	UGC	Rejuwan Ahmmed Shawan Dept. of Fisheries Management Reg. No. 01521415238 rizwanshawon8@gmail.com	
26.	Toxic Effects of Silver Nanoparticles on Liver and Kidney Possible Role of Oxidative Stress Year: 2022-2023	Prof. Dr. Mohammad Shah Alam, ANH	UGC	Zannatul Maowa Dept. of Anantomy & Histology Reg. No. 2016-05-4004 01677174670 nr.maowa@gmail.com	
27.	Spatio-temporal Distribution of Heavy Metals in the Tanguar <i>haor</i> of Bangladesh: Ecological and Human Health risk Assessment Year: 2022-2023	Dr. Md. Shakhawate Hossain, Assoc. Prof., FBE	UGC	Md. Asif Alam Wahra Dept. of Fisheries Biology & Aquatic Environment 01955463018 asifsojib0700@gmail.com	
28.	Mitigation of Salinity Stress in Wheat by Bioorganic Compound Salicylic Acid, Putrescine and Arbuscular Mycorrhiza Year: 2022-2023	Prof. Dr. Md. Abdul Baset Mia, CBT	UGC	Md. Maruf Hossain Reg. No. 2018-05-4789 Dept. of Agrometeorology	
29.	Application of Indigenous Probiotic Bacteria and Seaweed Extracts for Growth and Disease Control of Giant Tiger Shrimp (<i>Penaeus monodon</i>) Sub Project under SCMF	Prof. Dr. Md. Mahbubur Rahman, IBGE	DoF	Bishwajit Karmakar Sunny Institute of Biotechnology and Genetic Engineering Reg. No. 01742245556 bishwajitsunny@outlook.com	From 10 Aug. 2023