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*Borlaug Higher Education for
Agricultural Research and Development*

Final Scholar Report: Bangladesh

By

The BHEARD Administrative Team
Michigan State University

Office of the Dean
College of Agriculture and Natural Resources
Michigan State University
446 W. Circle Drive, Room 102
East Lansing, Michigan 48824-1039
Email: CGC.BHEARD@campusad.msu.edu
Project Website: <https://www.canr.msu.edu/bheard>



Executive Summary

Michigan State University (MSU) is the implementing entity of the Borlaug Higher Education for Agricultural Research and Development (BHEARD) program. As part of the United States government's Feed the Future initiative, BHEARD is funded by the United States Agency for International Development (USAID), through the International Maize and Wheat Improvement Center (CIMMYT).

Honoring the legacy of Nobel Peace Prize Laureate Norman Borlaug, the program increases the number of agricultural scientists and strengthens scientific institutions in partner countries. BHEARD supports long-term training of agricultural researchers at the master's and doctoral levels, linking scientific and higher education communities in Feed the Future priority countries and the United States.



A BHEARD scholarship supports coursework at U.S. and regional universities in Africa, Brazil, Bangladesh, and India; providing funding for research and post completion research in the student's home country. In addition, the program provides a variety of allowances to cover training costs and laboratory fees. BHEARD also aims to develop, test and evaluate new models of small-scale institutional capacity development.

This report documents BHEARD programmatic activities from October 1, 2018 through September 30, 2019. It includes a program overview, financial summaries, and student updates for Bangladesh.

Acknowledgement and thank you to all BHEARD staff who have worked for this program and contributed to this report.

- John Medendorp, Director
- Mathias Ndizihiwe, Student Progress Coordinator
- Cait Goddard, Institutional Capacity Development Lead
- Jen Riebow, Fiscal Officer

Activity Summary

The Borlaug Higher Education for Agriculture and Development (BHEARD) program, supported by US Agency for International Development (USAID) develops agricultural scientists and increases agricultural research capacity in Feed the Future partner countries including Bangladesh. BHEARD has provided scholarships to students seeking masters and doctorate degrees at US and regional academic

institutions and has provided funding for agricultural research in their home countries. The program also developed, tested, and evaluated new models of small-scale institutional capacity development.

Successes

BHEARD sponsored 27 scholars, 20 successfully completed their program and went back to their home institutions after completion of their degree programs. Seven scholars either withdrew (for personal reasons) or were withdrawn due to non compliance with BHEARD regulations. All completing students received PhDs in their respective areas of study

Challenges

Two scholars from Cohort #6 who were unable to complete their program due to COVID-19 lockdowns in their university, have since the close of the BHEARD program completed their degrees. Their degree completion is marked with an asterisk in the table below.

Seven scholars were withdrawn from the BHEARD program, two for not completing within the timeline, one for disregarding of program requirements, two for violating the sponsorship contract, and two declined scholarships for personal reasons.

LIST OF ALL SCHOLARS

NAME (first and last)	SEX	COHORT	STUDENT STATUS	UNIVERSITY	SUBJECT AREA	ACADEMIC LEVEL	GRADUATION YEAR
Sheikh, Md Mohiuddin	M	COHORT 6	Completed	Punjab Agricultural University	Extension Education	PhD	-
Sultana, Shifat	F	COHORT 6	Completed	Bangladesh Agricultural University	Agricultural Extension Education	PhD	-
Talukder, Md Zahirul Alam	M	COHORT 6	Completed	Indian Agricultural Research Institute, New Delhi	Genetics and Plant Breeding	PhD	-
Paul, Mritunjoy	M	COHORT 6	Completed*	Central Institute of Fisheries Education (CIFE)	Fish Nutrition & Feed Technology	PhD	-
Farhad, Md	M	COHORT 6	Completed*	TERI School of Advanced Studies	Molecular plant breeding	PhD	-
Datta, Debi Rani	F	COHORT 6	Withdrawn	-	-	PhD	-
Kader, Hafij Al	M	COHORT 6	Withdrawn	Indian Agricultural Research Institute,	Biochemistry	PhD	-

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				New Delhi			
Ray, Shuma	F	COHORT 5	Completed*	Bangabandhu Sheikh Mujibur Rahman Agricultural University	Genetics and Plant Breeding	PhD	-
Rahman, Kazi Tamim	M	COHORT 3	Completed	Kansas State University	Agricultural Economics	PhD	FY2020
Rahman, MD Mahfuzur	M	COHORT 3	Completed	Washington State University	Plant Pathology	PhD	FY2021
Kabir, MD Yamin	M	COHORT 3	Completed	University of Georgia	Horticulture	PhD	FY2020
Das, Shimul	M	COHORT 3	Completed	Washington State University	Plant Pathology	PhD	FY2021
Dash, Prosanta	M	COHORT 3	Completed	University of Florida	Horticultural Science	PhD	FY2019
Hamim, Islam	M	COHORT 3	Completed	University of Hawaii	Tropical Plant Pathology	PhD	FY2019
Khan, Murshida	F	COHORT 2	Completed	Louisiana State University	Fisheries and Aquaculture	PhD	FY2019
Shamsunnaheer, Shamsunnaheer	F	COHORT 2	Completed	University of Florida	Plant Pathology	PhD	FY2019
Akon, MD Wahiduzzaman	M	COHORT 2	Withdrawn	Michigan State University	Entomology	PhD	-
Rahman, MD Mokhlesur	M	COHORT 2	Withdrawn	Kansas State University	Genetics	PhD	-
Alam, Mohammad Ashraful	M	COHORT 1	Completed	Ohio State University	Fisheries	PhD	FY2018
Amin, MD Nurul	M	COHORT 1	Completed	Washington State University	Crop Science	PhD	FY2019
Chowdhury, MD Golam Ferdous	M	COHORT 1	Completed	University of Florida	Horticultural Science	PhD	FY2018
Elahi, Ferdous E	F	COHORT 1	Completed	Ohio State University	Plant Pathology	PhD	FY2018
Islam, MD Mynul	M	COHORT 1	Completed	Ohio State University	Plant Pathology	PhD	FY2018
Sattar, Mohammad Nahid	M	COHORT 1	Completed	Michigan State University	Agricultural, Food, and Resource Economics	PhD	FY2019
Alam, Mohammad Zahangeer	M	COHORT 1	Withdrawn	Washington State University	Crop and Soil Sciences	PhD	-

Arifunnahar, Most Bonita	F	COHORT 1	Withdrawn	North Carolina State University	-	PhD	-
Islam, MD Shafiqul	M	COHORT 1	Withdrawn	Michigan State University	Plant Breeding, Genetics and Biotechnology	PhD	-

PAPER PUBLICATIONS BY SCHOLARS

The BHEARD scholars sponsored by the USAID mission in Bangladesh had published a total of 58 peer reviewed scientific papers or an average of 2.9 academic papers per BHEARD scholars. These scholars have continued to be active in contributing to the science of their respective fields since the end of the BHEARD program, although the BHEARD program no longer tracked publications after the close of the program on September 30, 2021. These publications are a significant contribution to the advance of agricultural science in Bangladesh and these scholars are continuing and will continue to contribute to scientific agricultural research and knowledge generation for many years to come.

STUDENT NAME	TITLE	AUTHORS	PUBLISHED IN	PUBLICATION DATE
Md Nurul Amin	Tuber yield assessment of potato genotypes in Bangladesh	M.N. Amin, M.M. Rahman, Sauda Naznin, M.K. Alam, Md. Monirul Hasan Tipu, Md. Zulfiker Haider, Prodhan, Md. Mazadul Islam and B.C. Kundu	Indian Journal of Agricultural Research	08/31/21
Shuma Rani Ray	Heterobeltiosis and Economic Heterosis for Grain Yield Related Traits of Boro Rice (<i>Oryza sativa</i> L.)	Shuma Rani Ray, A.K.M. Aminul Islam, M.G. Rasul, M.M. Hasan Saikat, J.U. Ahmed	International Journal of Applied Science and Biotechnology	03/30/21
Mritunjoy Paul	Effects of graded dietary lipid levels on growth, feed utilization, body composition and metabolism in juvenile white leg shrimp, <i>Penaeus vannamei</i> (Boone, 1931) reared in inland saline water of 10 g/L salinity	Nisha Chuphal, Parimal Sardar, Narottam Prasad Sahu, Naseemashahul Shamna, Vungarala Harikrishna, Manas Kumar Maiti, Vijayakumar Sidramappa Mannur, Prasanta Jana, Mritunjoy Paul, Gopal Krishna	Aquaculture Nutrition	08/08/21
Mritunjoy Paul	Dietary protein requirement of white shrimp, <i>Penaeus vannamei</i> (Boone, 1931) juveniles, reared in inland ground water of medium salinity	Prasanta Jana, Narottam Prasad Sahu, Parimal Sardar, Nazeema Shamna, Tincy Varghese, Ashutosh Dharmendra Deo, Vungurala Harikrishna, Mritunjoy Paul, Hougaina Panmei, Gyandeep Gupta, Chinmay Nanda, Gopal Krishna	Aquaculture Research	12/24/20

Mritunjoy Paul	Optimal dietary protein requirement of juvenile GIFT Tilapia (<i>Oreochromis niloticus</i>) reared in inland ground saline water	M. Paul, P. Sardar, N.P. Sahu, T. Varghese, N. Shamna, V. Harikrishna, A.D. Deo, P. Jana, K.P. Singha, G. Gupta, M. Kumar and G. Krishna	Journal of Environmental Biology	09/09/21
Md Farhad	Phenological variations in early planting of wheat breeding lines and identification of markers by GWAS	"Md Farhad ¹ , Shashi Bhushan Tripathi ¹ , Ravi Prakash Singh, Arun Kumar Joshi ³ , Pradeep Kumar Bhati, Suchismita Mondal ² , Uttam Kumar	BGRI Virtual Technical Workshop 2020	10/07/20
Md. Farhad	Analysis of early heat tolerance in bread wheat and associated SNP markers	"Md. Farhad, Shashi B. Tripathi, Ravi P. Singh, Arun K. Joshi, Jesse A. Poland, Pradeep K. Bhati, Vipin Tomar, Suchismita Mondal, Uttam Kumar	JTA Multidisciplinary International Conference, New Delhi, India	02/17/20
Md. Mohiuddin Sheikh	Integrated Farming Systems: A Review of Farmers Friendly Approaches	Md. Mohiuddin Sheikh, T. S. Riar and A. K. M. Kanak Pervez	Asian Journal of Agricultural Extension, Economics & Sociology	05/11/21
Alam, Mohammad Ashraful	A Review on Silonia Silondia (Hamilton, 1822) Threatened Fish of the World: (Siluriformes: Schilbeidae)	Flura, Mohammad Ashraful Alam, and Md. Robiul Awal Hossain	Research in Agriculture, Livestock, and Fisheries	08/30/18
Alam, Mohammad Ashraful	Impact of Fifteen Days Fishing Ban in the Major Spawning Grounds of Hilsa (<i>Tenualosa ilisha</i> Hamilton 1822) on its Spawning Success	Md. Anisur Rahman, Flura, Tayfa Ahmed, Mehedi Hasan Pramanik and Mohammad Ashraful Alam	Research in Agriculture, Livestock, and Fisheries	12/21/15
Amin, MD Nurul	Human waste: An underestimated source of nutrient pollution in coastal seas of Bangladesh, India and Pakistan	Amin, Md Nurul; Kroeze, Carolien; Strokal, Maryna	Marine Pollution Bulletin	05/15/17
Chowdhury, MD Golam Ferdous	Prestorage application of oxalic acid to alleviate chilling injury in mango fruit	Li, P., Zheng, X., Chowdhury, M.G.F., Cordasco, K., Brecht, J.K.	American Society for Horticulture Science	12/01/15
Chowdhury, MD Golam Ferdous	Lipid-Based Edible Coatings Improve Shelf Life and Sensory Quality Without Affecting	A.H. Simmone, C.M. Moore, N.R. Green, E.H. Simmone, M.G.F. Chowdhury, J.K. Brecht, R.D.	Florida State Horticultural Society	

	Ascorbic Acid Content of White Bell Peppers	Hagenmaier, F.M. Woods, and R.R. Eitenmiller		
Das, Shimul	Effects of Water, Sanitation, Handwashing, and Nutritional Interventions on Child Enteric Protozoan Infections in Rural Bangladesh: A Cluster-Randomized Controlled Trial	Audrie Lin, Ayse Ercumen, Jade Benjamin-Chung, Benjamin F Arnold, Shimul Das, Rashidul Haque, Sania Ashraf, Sarker M Parvez, Leanne Unicomb, Mahbubur Rahman, Alan E Hubbard, Christine P Stewart, John M Colford Jr., Stephen P Luby	Clinical Infectious Diseases	04/13/18
Das, Shimul	Performance of Different Management Practices on Tomato Fruit Borer (<i>Helicoverpa Armigera</i> Hubner) Abundance and Infestation	M. Dey, S. Das, M. M. Kamal, and R. Sarkar	Journal of the Bangladesh Agricultural University	05/29/17
Das, Shimul	Efficacy of Management Approaches Against Cucurbit Fruit Fly (<i>Bactrocera Cucurbitae</i> Coquillett) of Bitter Gourd	R. Sarkar, S. Das, M.M. Kamal, K.S. Islam, M. Jahan	Bangladesh Journal of Agricultural Research	02/27/18
Das, Shimul	Species Richness of Thrips and Whiteflies and Their Predators in Mustard Fields	S. Das, M.M. Rahman, M.M. Kamal, A. Shishir	Journal of the Bangladesh Agricultural University	08/11/17
Das, Shimul	Effect of Compost Tea, Streptomycin and Cupravit in Controlling Bacterial Leaf Blight of Rice	A. Shishir, M.M. Kamal, M.A.R. Khokon, M.R. Islam, and S. Das	Bangladesh Journal of Agricultural Research	11/09/17
Dash, Prosanta	Yield Performance of Cabbage Under Different Combinations of Manures and Fertilizers	Kumazr Sajib, Prosanta Kumar Dash, Bipradas Adhikary, and Md. Abdul Mannan	World Journal of Agricultural Sciences	
Dash, Prosanta	Assessment of Physical Characteristics and Antioxidant Content of Carrot Available in South Western region of Bangladesh	Prosanta Kumar Dash, Afroza Sharmin, and Md. Abdul Mannan	South Asian Journal of Agriculture	08/01/15
Dash, Prosanta	Germination, growth and yield response of Kohlrabi, <i>Brassica oleracea</i> var. <i>gongylodes</i> L. to NaCl induced salinity stress	Ajay Kumar Biswas; Abdul Mannan; Prosanto Kumar Dash	Bioscience and Bioengineering Communications	03/15/16

Dash, Prosanta	A Sustainable Technique of Rapid Multiplication of Gerbera (<i>Gerbera jamesonii</i> L.) - Using In Vitro Seed Culture	Md. Monirul Islam, M. Abdullah Al Mamun, Prosanta Kumar Dash, Kundu, R.R., and Akter, J.	International Journal of Current Research	08/01/17
Dash, Prosanta	A Protocol for Rapid Multiplication of Gerbera <i>jamesonii</i> L. –A popular Cut Flower through Organogenesis	M. M Islam, A. A Mamun, P. K Dash, M. R Islam, and S. Khanam	Journal of Agriculture and Research	08/31/17
Dash, Prosanta	An In Vitro Protocol for High Frequency Plant Regeneration from Cotyledonary Nodes of Gerbera <i>Jamesonii</i> L.	M. M Islam, A. A Mamun, P. K Dash, and S. I Jahan	American Journal of Engineering and Natural Sciences	03/01/17
Dash, Prosanta	Growth Performance of Orchid (<i>Dendrobium</i> Sp.) as Influences by Different NPK Spray Connection	Trishita Monda, Prosanta Kumar Dash, Mahtalat Ahmed, Md. Monirul Islam, Md. Hossen Ali	International Journal of Biosciences	04/01/14
Dash, Prosanta	Effect of Salinity on Germination, Growth, and Yield of Radish (<i>Raphanus Sativus</i> L.) Varieties	Paromita Ghosh, Prosanta Kumar Dash, Rituraj Sarker, Md. Abdul Mannan	International Journal of Biosciences	07/02/14
Dash, Prosanta	Physico-Chemical Characterization and Product Development from Turmeric (<i>Curcuma Longa</i>) Germplasm Available in South Western Region of Bangladesh	Prosanta Kumar Dash, Afroza Akhtar, Md. Abdul Mannan	International Journal of Biosciences	01/11/14
Dash, Prosanta	Effect of NPK Spray Foundation on Growth of Two Cultivars of Orchid (<i>Mokara</i> Sp.)	Md. Hossen Ali, Prosanta Kumar Dash, Md. Monirul Islam, Mahtalat Ahmed, and Trishita Mondal	Journal of Agriculture and Veterinary Science	05/01/14
Dash, Prosanta	Physio-Chemical Characteristics and Antioxidant Assay of Tomato (<i>Lycopersicon Esculentum</i> Mill.) Germplasm Available in the South Western Region of Bangladesh	Md. Mazidul Islam Talukder, Prosanta Kumar Dash, and Md. Abdul Mannan	International Journal of Biosciences	05/08/15
Dash, Prosanta	Physio-Chemical Characterization of Drumstick (<i>Moringa Oleifera</i> L.) Germplasm Available in South Western Region of Bangladesh	Jesmin Akther; Kabir, M.Y.; Dash, P.K.; Mannan, M.A.	Journal of Biodiversity and Environmental Sciences	

Dash, Prosanta	Optimization of Heat Stress Mitigation Measures for Strawberry Plug Transplant Establishment	Prosanta K. Dash, Carlene A. Chase, Shinsuke Agehara, Lincoln Zotarelli, and Zhengfei Guan	Florida State Horticultural Society Conference	07/01/17
Elahi, Ferdous E.	First report of tomato brown root rot complex caused by Colletotrichum coccodes and Pyrenochaeta lycopersici in Ohio	Vrisman, C.M., Testen, A.L., Elahi, F., Miller, S.A.	American Phytopathological Society	01/01/17
Farhad, Md	Biplot yield analysis of heat-tolerant spring wheat genotypes (Triticum aestivum L.) in multiple growing environments	Akbar Hossain, M.A.H.S. Jahan, Jagadish Timsina, Jaime A. Teixeira da Silva, M. Golam Mahboob, M. Farhad	Open Agriculture	09/06/18
Farhad, MD	Development and deployment of biofortified and blast resistant wheat variety in Bangladesh	Md Farhad , Govindan Velu , Ravi Singh , Pawan Singh , Carlos Guzman , Mohammad Abdul Hakim , Mohammad Rezaul Kabir , Mohammad Ashraful Alam , Mohammad Siddikunnabi Mandal , Akbar Hossain , Mostofa Ali Reza , Kishwar-e Mustarin , Abu Hena Sarwar Jahan , Naresh Chandra Deb Barma	13th International Gluten Workshop Proceedings	03/14/18
Farhad, MD	Mitigating the twin problems of malnutrition and wheat blast by one wheat variety, 'BARI Gom 33', in Bangladesh	Akbar Hossain, Khondoker Abdul Mottaleb, Md. Farhad, Naresh Chandra Deb Barma	Acta Agrobotanica	07/01/19
Farhad, MD	Analysis of early heat tolerance in bread wheat and associated SNP markers	Md. Farhad, Shashi B. Tripathi, Ravi P. Singh, Arun K. Joshi, Jesse A. Poland, Pradeep K. Bhati, Vipin Tomar, Suchismita Mondal, Uttam Kumar	JTA Conference 2020	02/17/20
Farhad, MD	Wheat disease surveillance and monitoring in Bangladesh	Md Farhad, Kishwar-E-,Mustarin, Md Mostofa Ali, Reza, Krishna Kanto, Roy, Md. Ashraful, Alam, Md. Rezaul, Kabir, MD Abdil, Hakim, Md Monwar, Hossain, Md Rabiul, Islam, Tim, Krupnik, Md Forhad, Amin, Md. Mosharraf, Hossain, Nure Alam, Siddque, Paritosh Kumar, Malaker, Maricellis, Acevedo, Noresh Chandra Deb, Barma	2018 BGRI Technical Workshop	04/14/18

Hamim, Islam	Transgene-Mediated Resistance to Papaya Ringspot Virus: Challenges and Solutions	Hamim, Islam; Green, James C.; Hu, John S.; Marquez, Josiah; Melzer, Michael J.; Borth, Wayne B	Phytoparasitica	02/01/18
Hamim, Islam	Correction to: Genome characterization and distribution of Taro bacilliform CH virus on taro in Hawaii, USA	Wang, Yanan; Borth, Wayne B.; Green, James C.; Islam Hamim; Cao, Keqiang; Hu, John S.; Melzer, Michael J.	European Journal of Plant Pathology	02/01/18
Hamim, Islam	Genetic diversity of the bacterial wilt pathogen <i>Ralstonia solanacearum</i> using a RAPD marker	Nishat, Sayeda; Hamim, Islam; Ali, Md Ayub; Hossain, Muhammed Ali; Bahadur Meah, M; Islam, Md Rashidul; Ibrahim Khalil, M	Comptes Rendus - Biologies	11/01/15
Hamim, Islam	Molecular Characterization and Distribution of Two Strains of Dasheen mosaic virus on Taro in Hawaii	Wang, Yanan; Wu, Beilei; Borth, Wayne B; Islam, Hamim; Green, James C; Melzer, Michael J; Hu, John S	Plant Disease	12/01/17
Hamim, Islam	First Report of Dasheen Mosaic Virus Infecting Taro (<i>Colocasia esculenta</i>) in Bangladesh	D. Wang, I. Hamim, W. B. Borth, M. J. Melzer, G. F. Sun, and J. S. Hu	Plant disease	10/08/18
Hamim, Islam	Genome characterization and distribution of Taro bacilliform CH virus on taro in Hawaii, USA	Yanan Wang, Wayne B. Borth, James C. Green, Islam Hamim, Keqiang Cao, John S. Hu, and Michael J. Melzer	European Journal of Plant Pathology	11/03/17
Hamim, Islam	Ultra-sensitive Detection of Papaya Ringspot Virus Using Single-Tube Nested PCR	I. Hamim, W. Borth, M.J. Melzer, J. Hu	Acta Virologica	09/27/18
Hamim, Islam	Occurrence of Tomato Leaf Curl Bangladesh Virus and Associated Subviral DNA Molecules in Papaya in Bangladesh: Molecular Detection and Characterization	Islam Hamim, Wayne B. Borth, Michael J. Melzer, Jon Y. Suzuki, Marisa M. Wall, John S. Hu	Archives of Virology	02/15/19
Hamim, Islam	First Report of Bean Yellow Mosaic Virus Infecting <i>Nasturtium</i> (<i>Tropaelum Majus</i>) in Hawaii	D. Wang, J. Ocenar, I. Hamim, W. B. Borth, M.T. Fakuda, M.J. Melzer, J.Y. Suzuki, M.M. Wall, T. Matsumoto, G.F. Sun, M. Ko, J.S. Hu	Plant Disease	11/02/18
Hamim, Islam	First Report of Zucchini Tigre Mosaic Virus Infecting Bitter Melon (<i>Momordica Charantia</i>) in Hawaii	D. Wang, G. Boluk, E. A. Quinto, I. Hamim, W. B. Borth, M. J. Melzer, J. Green, J. Y. Suzuki, M. M. Wall, T. Matsumoto, G. F. Sun, and J. S. Hu	Plant Disease	02/25/19

Khan, Murshida	Comparative Study of Physical, Chemical, Microbiological and Sensory Aspects of Some Sun-Dried Fishes in Bangladesh	Bhaskar Chandra Majumdar, Faria Afrin, Md. Golam Rasul, Murshida Khan, and A.K.M. Azad Shah	Brazilian Journal of Biological Sciences	12/31/17
Paul, Mritunjoy	Phytobiotics in Aquaculture Health Management: A Review	Prasanta Jana, Sutanu Karmakar, Utsa Roy, Mritunjoy Paul, Ashutosh Kumar Singh, and Kuntal Krishna Bera	Journal of Entomology and Zoology Studies	06/28/18
Paul, Mritunjoy	Optimization of Dietary Protein to Energy Ratio (P/E ratio) for Sutchi Catfish, <i>Pangasianodon hypophthalmus</i> (Sauvage, 1878) Fingerlings	Md. Zulfikar Ali, Mritunjoy Paul, Prasanta Jana, Md. Khalilur Rahman and Yahia Mahmud	Journal of Entomology and Zoology Studies	08/19/18
Rahman, Kazi Tamim	Freshwater pond fish farming in Bangladesh: A micro level land use analysis	Md Salauddin Palash, Kazi Tamim Rahman, Shakila Salam, and Mahmuda Nasrin	Journal of Bangladesh Agricultural University	08/23/18
Rahman, Kazi Tamim	Fed Cattle Market Integration in Mandatory Price Reporting Era	Kazi Tamim Rahman and Md. Salauddin Palash	Open Agriculture	10/05/18
Rahman, Kazi Tamim	Profitability and Technical Efficiency of Boro Rice (BRRI dhan29) Cultivation in Dinajpur and Bogra of Bangladesh	Kazi Tamim Rahman, Md. Rafiul Bari, and M. Kamruzzaman	International Journal of Natural and Social Sciences	05/11/16
Rahman, MD Mokhlesur	The effect of urban and rural habitats on activity budgets of the endangered Northern Plains sacred langur, <i>Semnopithecus entellus</i> (Dufresne, 1797) in Jessore, Bangladesh	Mst. Tahmina Khatun, Mohammad Firoj Jaman, Md. Mokhlesur Rahman, and Md. Mahabub Alam	Mammalia	01/06/18
Ray, Shuma Rani	Role of Exogenous Signaling Molecules in Alleviating Salt-Induced Oxidative Stress in Rice (<i>Oryza Sativa</i> L.): A Comparative Study	Md. Tahjib-Ul-Arif, Sonya Afrin, Mohammed Arif Sadik Polash, Tahmina Akter, Shuma Rani Ray, Md. Tofazzal Hossain, and M. Afzal Hossain	Acta Physiologiae Plantarum	04/13/19
Shamsunnaheer, Shamsunnaheer	Reversible Activation of XA21-Mediated Resistance by Temperature	Qiang Chen, Xiaoen Huang, Xiuhua Chen, Shamsunnaheer, and Wen-Yuan Song	European Journal of Plant Pathology	11/13/18
Sheikh, Md Mohiuddin	Effect of Foliar Application of Zinc on the Yield, Quality and Storability of Potato in Tista	Md. Waliur Rahman, Md. Monirul Islam, Md. Mohiuddin Sheikh, Md. Iqbal Hossain, Md. Abu Kawochar,	Tropical Agricultural	11/14/18

	Meander Floodplain Soil	and Md. Shamshul Alam	Science	
Sheikh, Md Mohiuddin	Fuzzy-Likert Scale Based Assessment of Marketing Risk Faced by the Hybrid Rice Growers of Bangladesh	A.K.M. Kanak Pervez, Md. Ektear Uddin, Ashfaq Ahmad Shah, Foyez Ahmed Prodhan, and Md. Mohhiuddin Sheikh	Economics of Agriculture	01/18/19