Bio-data

of
Md. Golam Kibria Bhuiyan
Senior Scientific Officer
Farm Machinery and Postharvest Technology Division
Bangladesh Rice Research Institute (BRRI)

(1)	(a) Name (b) Father's name (c) Mother's name (d) Gender	: : : :	Md. Golam Kibria Bhuiyan Md. Golam Hafez Bhuiyan Safia Akter Male
(2)	Address (a) Permanent Address (b) Position and Present address (c) Telephone & e-mail	 : : :	 Vill: Power House road, Kandipara, P.O.: Brahmanbaria, Upazila: Brahmanbaria, Dist: Brahmanbaria. **Principal Scientific Officer** Farm Machinery and Postharvest Technology Division, Bangladesh Rice Research Institute (BRRI),Gazipur-1701 02-9294117-21 ext-504 (office), kibria_1971@yahoo.com
(3)	Nationality	:	Bangladeshi
(4)	Marital Status	:	Married
(5)	Date of birth	:	25/08/1971

6. Educational Career

Degree/Diploma/Certificate	Class/Grade/Division	University/Institute/Board	Year
PhD in Farm Machinery	Satisfactory	Bangladesh Agricultural University, Mymensingh	2018
M. S. in Ag. Engg.	First Class	Bangladesh Agricultural University, Mymensingh	1998
B.Sc. in Ag. Engg.	First Class	Bangladesh Agricultural University, Mymensingh	1993 (Published in 1997)
H.S.C (Science group)	First Division	Cumilla Board	1988
S.S.C (Science group)	First Division	Cumilla Board	1986

(7)	**Field of Specialization**	:	Farm Machinery and Postharvest Technology

8. Training

(a) In Country

Organization	Year	Duration		Name of Program
		Mon.	Days	
CIMMYT, Bangladesh	Oct 15-16, 2001	-	2	Seeder operation and maintenance
REFPI Project, Bangladesh Agricultural University, Mymensingh.	28-29 Sep. 2002	-	2	Improvement of skill and work environment of landless wage earners in rice processing system of Bangladesh.

REFPI Project, Bangladesh Agricultural University, Mymensingh.	27 Oct - 06 Nov.2002	-	10	Participatory Technology Development with a systems and Sustainable Livelihood Perspective
Bangladesh Rice Research Institute.	21 Dec,2003 18 Feb 2004	2	-	Rice Production, Communication, and office management.
Bangladesh Academy for Rural Development.	22 Feb – 20June 2004	4	-	Foundation Training
Bangladesh Rice Research Institute.	7 to 12 June, 2008	-	7	1–Week Rice Production, training
FMPHT Division Bangladesh Rice Research Institute	15 – 18 September 2013	-	4	Engineering Drawing and Design of Small Equipment by AutoCAD Tools
FMPHT Division Bangladesh Rice Research Institute	17 – 19 December 2013	-	3	Training on Operation of Laboratory Equipment
FMPHT Division Bangladesh Rice Research Institute	22 – 24 December 2013	-	3	Training on Experimental Design, Layout and Statistical analysis
FMPHT Division Bangladesh Rice Research Institute	24 – 29 December 2013	-	6	Advanced Training on Drawing and Design of Agricultural Equipment by AutoCAD
National Agricultural Training Academy (NATA)	11 – 15 February 2018	-	5	Project Appraisal and Formulation of DPP
National Agricultural Training Academy (NATA)	16 – 20 September 2018	-	5	Public Financial Management
Bangladesh Rice Research Institute.	22 - 26 September 2018	-	5	Innovation in Public Service
National Agricultural Training Academy (NATA)	18 – 23 March 2019	-	6	ToT on Teaching Methods

(b) **Abroad**

Organization	Year	Duration		Name of Program
		Months.	Days	
Tsukuba International center (TBIC), JICA.	1Feb.to 26 Nov.2005	10	-	Rice Research Techniques-I I
Kasetsart University, Bangkok, Thailand	17-26 July 2014	-	10	Writing a Dissertation Literature Review

9. Employment Record

Name(s) of employing organization	Designation	Pay Scale Grade	Date of joining	Date of leaving	Nature of duties actually performed specifying teaching/research/ administration/management

Bangladesh Rice Research Institute	Principal Scientific Officer	4	26.12.2022	**To date**	To design, development and modification of agricultural machinery for Bangladesh agriculture, to develop rice postharvest processing technologies
Bangladesh Rice Research Institute	Senior Scientific Officer	6	28/01/07	25.12.2022	To design, development and modification of agricultural machinery for Bangladesh agriculture, to develop rice postharvest processing technologies
Bangladesh Rice Research Institute	Scientific Officer	9	10/05/ 01	27/01/2007	To design, development and modification of agricultural machinery for Bangladesh agriculture, to develop rice postharvest processing technologies

10. Scientific Paper

1. M.G.K. Bhuiyan; M.A. Quasem; M.A. Baqui; M.A. Rahman and S.M.M Rahman (2006). A comparative study on the quality of paddy seed stored in different storage structure. International Journal of Sustainable Agricultural Technology (IJSAT). Vol.2, Issue: 3, 42-46.
2. M.G.K. Bhuiyan (2007). Effect of Row spacing and seed rate on Rice growth and yield by direct seeding method. Farming Japan, The bimonthly publication on Agriculture, Foresty and Fisheries, Vol.41-4, 28-40.
3. M.G.K. Bhuiyan, M.A. Quasem, T.K. Sarker, M.S. Islam, M.D. Huda, A.K.M.S. Islam (2009). Studies on the Quality of Paddy Stored in Steel drum, Plastic drum, Low-cost Cocoon and Gunny bag. International Journal of BioResearch(IJBR). Vol.6, Issue:2, 1-6.
4. M.G.K. Bhuiyan, M.D. Huda, A.K.M.S. Islam, M.A. Hossen, M.S. Islam (2010). Study the Adoption Status of Farm Machinery in Some Selected Sites of Bangladesh. Journal of Agricultural Engineering, Institution of Engineers, Bangladesh, Vol. 38/AE, No. 1, 1-7.
5. M.Z. Abedin; G.K. Bhuiyan, and M.Z. Rahman, (2001). Feasibility of cement Plastered Bamboo-Reinforced Slabs fence of rural Houses in Bangladesh. Bangladesh Journal of Agric. Engg.12 (1 & 2), 95-103.
6. AKM S Islam; M A Baqui; GK Bhuiyan and MS Hossain (2004). User Opinion on the Performance of BRRI Rice Wheat Thresher**.** Journal of the Institution of Engineers. Bangladesh. Agricultural Engineering Division, Vol. 31/AE, No.1.
7. MM Alam; M D Huda; MS Haque and M G K Bhuiyan (2004). Studies on Storage Stability of Guava Juice and Jelly. Journal of the Institution of Engineers Bangladesh**.**Agricultural Engineering Division, Vol. 31/AE, No.1.
8. S.M.M. Rahman; M.G.K. Bhuiyan; M.A. Rahman, M.A. Baqui and B.K. Bala (2006). Popularization of BRRI Seed Dryer in Bangladesh. International Journal of Sustainable Agricultural Technology (IJSAT). Vol.2, Issue: 3, 47-52
9. M.M. Alam, M.K. Mondal, A.B.M.Z. Hossain and G.K. Bhuiyan (2006). Soil Moisture and Salinity Dynamics of Ploughed and Unploughed Land in Coastal Region of Bangladesh. International Journal of Sustainable Agricultural Technology (IJSAT). Vol.2, Issue: 2,69-76.
10. A.B.M.Z. Hossain; M.M. Alam and G.K. Bhuiyan (2006). Construction of Time-Domain Reflectometry (TDR) Sensor for Measuring Soil-Water content. International Journal of

Sustainable Agricultural Technology (IJSAT). Vol.2, Issue: 3, 14-20.
11. M.A. Rahman, A. Khair, M.N. Islam, A.K.M.S. Islam and G.K. Bhuiyan (2006). Storage of Cut Flower by Formation of Intercellular Water Structured Through Applying Xenon Gas. International Journal of BioResearch(IJBR). Vol.1, Issue:1, 51-54.
12. M.A. Rahman, A. Khair, M.N. Islam, A.K.M.S. Islam and G.K. Bhuiyan (2006). Storage of Persimon Fruit (*Diospyros kaki* L.) by Making Intercellular Water Structured using Xenon Gas. International Journal of BioResearch (IJBR). Vol.1, Issue:2, 33-39.
13. Mobile Huller: An Alternate source of Income for Rural Areas (2006). MA Quasem, MGK Bhuiyan, AKMS Islam, MD Huda and MM Islam. International Journal of Bioresearch (IJBR), Vol.1, Issue: 4, 31-34.
14. M. Ahiduzzaman, M.A. Baqui, MGK Bhuiyan, M.A. Rahman, M.S. Islam, M.A. Hossen (2006). Improvement of a Low-cost Rice weeder. Journal of Agricultural Machinery and Bioresources Engineering.Vol.4, Issue:1&2, 75-79.
15. M.J. Alam, M.A. Hossen, B.C. Nath, G. Mowla, GK Bhuiyan (2007). Performance Evaluation of RDA Developed Low-cost Deep Tube Well. Journal of the Institution of Engineers, Bangladesh, Agricultural Engineering Division, Vol. 33/AE.
16. M.S. Islam,M. Eusuf Harun, M.G.K.Bhuiyan and M.S. Islam (2008).Rice Variety Marketing Scenario at Trading Level in Some Selected Site of Bangladesh. Eco-Friendly Agriculture Journal. Vol. 1(5): 248-253.
17. M.A.Rahman,M.S.Islam,G. Mowla, A.K.M.S. Islam, M.G.K. Bhuiyan (2008). Storage of Egg Plant (Solanum Melongena L.) by Making Intracellular Water Structured by Using Xenon Gas. Journal of Agricultural Engineering, Institution of Engineers, Bangladesh, Vol. 35/AE: 21-28.
18. M.S. Islam, S.M.M. Rahman, M. A Rahman, M. D Huda, M. A Quasem, A.K.M.S. Islam, M. Ahiduzzaman, M.G.K. Bhuiyan, M.A. Hossen, M.A. Baqui. (2009). Mechanized Rice Cultivation in Bangladesh: Past Experiences and future Potentials. Agricultural Mechanization in Asia, Africa, and Latin America.Vol.40, No.1,36-40.
19. M.A. Rahman, M. S. Islam, S.M.M. Rahman, A.K.M.S. Islam, B.C.Nath and M.G.Kibria (2009).Experimental Investigation of Drying Kinetics of Cabbage. Journal of Agricultural Engineering, The Institution of Engineers, Bangladesh, Vol. 36/AE:69-76.
20. A.B.M. Zahid, M.G.K. Bhuiyan, M.A. Hossen and M.D. Huda (2010). Development of a Method for Selecting Two-wheel Drive Tractor. Eco-Friendly Agriculture Journal. Vol. 3(3): 154-158.
21. M. A. Hossen, M.S. Islam, M.D. Huda, M.A. Zami, M.G.K. Bhuiyan and B.C. Nath. (2011). Design and Development of a Weeder for both Lowland and Upland Conditions. Agricultural Mechanization in Asia, Africa, and Latin America2011. Vol.42, No.2, pp56-62.
22. K.M.A.S. Sarkar, M.M. Alam, A. Rahman and M.G.K. Bhuiyan. (2011). Post-Harvest Losses in Mango Value Chain. International Journal of Bioresearch. 10(5):25-31.
23. A. Rahman, S. Panigrahi, R.L. Kushwaha, M.M. Alam, M.G.K. Bhuiyan and M.A. Hossen. (2011). Physio-Mechanical Properties of Compression Molded Flax Fiber-Reinforced Composites. Eco-friendly Agril. J. 4(06):628-632.
24. M.A. Hossen, M.A. Rahman, M.G.K. Bhuiyan, T.K. Sarkar and M.A. Alam (2013). Improvement of BRRI USG Applicator. J. of Agril. Mech. Bioresour. Eng. 6 (1 & 2): 33-39.
25. M.A. Hossen, M. S. Islam, M.A. Rahman, M.D. Huda, M.G.K. Bhuiyan, B.C. Nath. (2013). Design and Development of a Manually Operated Urea Supper Granule (Usg) Applicator. Agricultural Mechanization in Asia, Africa, and Latin America 2011. Vol.44, No.2, pp85-91.

26. B. K. Bala, M. G. K. Bhuiyan, M. M. Alam, Fatimah Mohamed Arshad, Shaufique F. Sidique & E. F. Alias (2016): Modelling of supply chain of rice in Bangladesh, International Journal of Systems Science: Operations & Logistics, DOI:10.1080/23302674.2016.1179813
27. M. M. Alam1, M. I. N. Khan, C. K. Saha, A. Rahman, M. G. K. Bhuyian (2017). Manufacturing of agricultural machinery in Bangladesh: opportunities and constraints. AgricEngInt: CIGR Journal Open access at http://www.cigrjournal.org Vol. 19, No. 1 pp122-135 June, 2017.
28. B.C. Nath, M.G.K. Bhuiyan, M.M. Haque, D. Chanda, M.A. Rahman, H.B. Shozib (2019). Use of Zn Enriched Rice Byproduct as Zn Fertilizer. Journal of the Institution of Engineers Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.2.
29. M.D. Huda, B. C. Nath, S. Paul, M.G.K. Bhuiyan, S. Islam and M.M. Islam (2019). Design and Development of a Head Feed Mini Combine Harvester Suitable in Bangladesh Condition. Journal of the Institution of Engineers Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.2.
30. S. Islam, H. Paul, F. Akter, M.G.K. Bhuiyan, S. Paul (2019). Performance Evaluation of a Deep Tubewel Irrigation Scheme: A Case study in Sutiakhali of Mymensingh District. Journal of the Institution of Engineers Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.3, pp 63-68.
31. H. Paul, S. Paul, M.A. Hossen, M.D. Huda, S. Islam, M.G.K. Bhuiyan, B.C. Nath, M.A. Rahman (2019). Performance of Power Operated Automatic Seed Sower Machine of Mat Type Seedling Raising. Journal of the Institution of Engineers, Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.3, pp 69-77.
32. S. Islam, M.D. Huda, M.G.K. Bhuiyan, M.A. Hossen, H. Paul, M. Ahiduzzaman (2019). Prospect of Rice Straw Biomass Briquette Production: An Alternative Source of Energy. Journal of the Institution of Engineers Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.3, pp 79-86.
33. M.M. Islam, M.A. Hossen, M.K. Zaman, M.Z. Hasan and M.G.K. Bhuiyan (2019). Development of a Potato Storage Facilities using Evaporative Cooling Method for Small Farm Households in Bangladesh. Journal of the Institution of Engineers Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.4, pp 39-43.
34. M.D. Huda, M.G.K. Bhuiyan, B.C. Nath, M.K. Milon, S. Islam, H. Paul, M.M. Islam and M.M. Rahman (2019). Performance Evaluation and Economics of the Reaper Binder for Harvesting Paddy in Bangladesh. Journal of the Institution of Engineers Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.4, pp 61-67.
35. H. Paul, B.C. Nath, M.G.K. Bhuiyan, S. Paul, S. Islam, M.D. Huda and H.B. Shozib (2019). Effect of Degree of Milling on Rice Grain Quality. Journal of the Institution of Engineers Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.4, pp 69-76.
36. H. Paul, M.A. Hossen, S. Islam, S. Paul and M.G.K. Bhuiyan (2019). Evaluation of BRRI Multi-Rows Power Weeder: A Case Study under Silty Loam Soil at Sadar Gazipur. Journal of the Institution of Engineers Bangladesh**.** Agricultural Engineering Division, Vol. 42/AE, No.4, pp 77-83.
37. M.A. Hossen, M.G.K. Bhuiyan, M.M. Rahman, M.K. Zaman, M. M.Islam 1 and M. A. Rahman (2020).Development of mixed fertilizer deep placement technology into soil simultaneously with mechanical rice seedling transplanting. Journal of Science, Technology and Environment Informatics (JSTEI). 09(02): 649-664.

38. A.K.M.S. Islam, M.G.K. Bhuiyan, M. Kamruzzaman, M. A. Alam, and M.A. Rahman (2020). Custom Hire Service Business of Rice Combine Harvester in *Haor* Basin of Bangladesh. Bangladesh Rice J. 23 (2): 65-75, 2019, doi.org/10.3329/brj. v23i2.48249.

39. M.G.K Bhuiyan, M.D. Huda, B.C Nath, A.K.M.S. Islam, MM Islam and H Paul (2020). Improvement of Air Blow Type Engelberg Huller for Processing Un-Parboiled Paddy. Journal of the Institution of Engineers Bangladesh(IEB)**.** Agricultural Engineering Division, Vol. 43/AE, No.1, 21-29.

40. M.G.K. Bhuiyan, M.D. Huda, B.C. Nath, A.K.M.S. Islam, MM Islam and S Islam (2020). Performance Evaluation of Modified Rubber Roll De-Husker. Journal of the Institution of Engineers Bangladesh(IEB)**.** Agricultural Engineering Division, Vol. 43/AE, No.1,31-39.

41. S. Paul, A. Akhter, B.C. Nath, M.D. Huda, M.G.K. Bhuiyan, H. Paul and S. Islam (2020). Nutritional Elements Assessment in Selected Traditional Local Vegetables. Journal of the Institution of Engineers Bangladesh (IEB)**.** Agricultural Engineering Division, Vol. 43/AE, No.1,51-59.

42. M.G.K. Bhuiyan, A.K.M.S. Islam, M. Kamruzzaman, M.A. Alam, H.Paul, M.M. Islam(2020). Opportunity of Local Service Provider on Custom Hiring Business of Combine Harvester for Small Holder Farmers' in Haor Areas. Journal of the Institution of Engineers Bangladesh (IEB)**.** Agricultural Engineering Division, Vol. 43/AE, No.1, 85-94.

43. A.K.M.S. Islam, M.A. Alam, M. Kamruzzaman, M.G.K. Bhuiyan, M.M. Islam and M.R.B.H. Pranto. 2021. Business Viability of Small Combine Harvester in Haor Areas. European Journal of Agriculture and Food Sciences, Vol 3, Issue 3, pp 47 – 55. *DOI: http://dx.doi.org/10.24018/ejfood.2021.3.3.290*.

44. M.G.K. Bhuiyan, M.M. Alam, M.A. Razzak, A. Rahman and M.D. Huda. (2021). Value Chain Analysis of Rice Milling Machinery in Bangladesh. Journal of the Institution of Engineers Bangladesh (IEB)**.** Agricultural Engineering Division, Vol. 43/AE, No.2, 37-53.

45. M. M. Rahman, B.C. Nath, S. Paul, M.G.K. Bhuiyan, M.P. Ali, H. Rahaman, M. D. Huda, M. A. Rahman (2021). Design and Development of BRRI Solar Powered Light Trap. International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075 (Online), Volume-11 Issue-2.

46. M.A. Alam, A.K.M.S. Islam, M.M. Islam, M. Kamruzzaman and M.G.K. Bhuiyan (2021). Field Performance of Mini Combine Harvester Utilized for Rice Harvesting in Haor Areas of Bangladesh. UIJRT (United International Journal for Research and Technology), Volume 02, Issue11. ISSN: 2582-6382.

47. B.C. Nath , S. Paul, M. D. Huda, M.A. Hossen, M.G.K. Bhuiyan, A.K.M.S. Islam (2022). Combine Harvester: Small Machine Solves Big Rice Harvesting Problem of Bangladesh. Agricultural Sciences, 13, 201-220 https://www.scirp.org/journal/as.

11. Published Booklets as author

1. M.G.K. Bhuiyan;B, C. Nath, M,P, Ali; M,M, Rahman; S, Paul; M, D, Huda; M,A, Rahman (2018).BRRI Solar Light Trap. Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.

12. Published Booklets as Co-author

1. M.S. Islam; M.A. Rahman; M.A Quasem; M.A. Baqui; M. Ahiduzzaman; M.G.K. Bhuiyan and M.D. Huda (2005). Manual on BRRI Improve Chula Construction, Use and Maintenance. Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
2. S.M.M. Rahman; M.S. Islam; M.D. Huda; M.A. Baqui;M.A. Rahman; M.G.K. Bhuiyan and M.A Quasem(2005) . Manual on BRRI Dryer operation and Maintenance. Farm

Machinery and Postharvest Technology Division, BRRI, Gazipur.

3. M.A. Baqui; M.A. Rahman; M.S. Islam; S.M.M. Rahman and M.G.K. Bhuiyan (2005). Manual on BRRI Rice-Wheat Reaper operation and Maintenance. Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
4. M.S. Islam; M. Ahiduzzaman; M.A. Baqui; M.A. Rahman; M.D. Huda and M.G.K. Bhuiyan (2005). Manual on BRRI Weeder Use and Maintenance. Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
5. M.A. Rahman; M.D. Huda; A.K.M.S. Islam; M.G.K. Bhuiyan (2012). Operation and Maintenance of BRRI developed Winnower. Published under FMTD project, Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
6. M.A. Rahman; M.D. Huda; M.G.K. Bhuiyan and M.A. Alam(2012).Operation and Maintenance of BRRI developed Reaper. Published under FMTD project, Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
7. M.A. Rahman; M.D. Huda; A.K.M.S. Islam; M.G.K. Bhuiyan; M.A. Hossen; B. C, Nath; M.K. Milon; S. Paul; A.K.M.L.R. Azad; M.A. Alam and M.K .Pintu.(2014), Introduction of BRRI developed Farm Machinery and Technology. Published under FMTD project, Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
8. M.A. Rahman; M.D. Huda; A.K.M.S. Islam; M.G.K. Bhuiyan; M.A. Hossen; B. C, Nath; M.K. Milon; S. Paul; A.K.M.L.R. Azad; M.A. Alam and M.K. Pintu. (2015), Introduction of BRRI developed Farm Machinery and Technology. Published under FMTD project, Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
9. M.D. Huda; B. C, Nath; M S. Paul; .M.G.K. Bhuiyan and S. Islam.(2019). Operation and Maintenance Manual on BRRI Head feed combine harvester. Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
10. M.A. Hossen; M.A. Rahman; M.G.K. Bhuiyan; M.M. Islam; m. Shahariar (2020). Rice Transplanter cum Fertilizer Applicator. Published under DFMRT project, PIU – BARC, NATP – 2

13. Leaflet as author

a. M.G.K. Bhuiyan; B.C. Nath; M.P. Ali; MM Rahman (2017). BRRI Solar Light Trap. Farm Machinery and Postharvest Technology Division, BRRI, Gazipur. Funded by Research and Innovation program under Ministry of Agriculture.

b. M.G.K. Bhuiyan; M.D. Huda; M.P. Ali; S. Paul (2018).BRRI Solar Light Trap. Farm Machinery and Postharvest Technology Division, BRRI, Gazipur. Funded by Research and Innovation program under Ministry of Agriculture.

14. Leaflet as Co-author

1. S.M.M. Rahman; B.K. Bala; M.G.K. Bhuiyan and M.A. Rahman (2004). Use BRRI dryer reduce Postharvest loss and save seed health. Seed drying research component, Rice Seed Health Improvement Sub- Project (SHIP). Funded by PETRRA-IRRI/DFID.
2. S.M.M. Rahman; B.K. Bala; M.G.K. Bhuiyan and M.A. Rahman (2004). Use BRRI dryer reduce Postharvest loss and save seed health (Bangla). Seed drying research component, Rice Seed Health Improvement Sub- Project (SHIP). Funded by PETRRA-IRRI/DFID.
3. M. D. Huda: M.A. Alam; M.G.K. Bhuiyan; M.A. Hossen; M.A. Rahman (2019). Operation and maintenance manual on BRRI dryer. Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.
4. M.A. Alam, A.K.M.S. Islam, M.G.K. Bhuiyan, M.M. Islam, M.E. Adam (2021). BRRI Seed Sower Machine. Published under project SFMRA, FMPHT division, BRRI.

15. Poster as Co-author

1. S.M.M. Rahman; B.K. Bala; M.G.K. Bhuiyan and M.A. Rahman (2004). Use BRRI dryer reduce Postharvest loss and save seed health (Bangla). Seed drying research component,

Rice Seed Health Improvement Sub-Project (SHIP). Funded by PETRRA-IRRI/DFID.

16. Bulletins as co-author

1. A.K.M.S. Islam and M.G.K. Bhuiyan (2003). Engine operated Rice thresher machine. Published in Daily Bangla bazer News Paper in3rd August, 2003, Dhaka, Bangladesh.
2. M.M. Alam; I.N. Khan and M.G.K. Bhuiyan (2011). Problems and prospects of Agriculture Machinery Production. Published in Monthly Khamar Bichitra,Year 3,number 09.
3. M.D. Huda; M.G.K. Bhuiyan; B.C. Nath and M.P.Ali (2019).Environment friendly BRRI Solar light trap. Published in "Krishi Kotha",78th year, 9th number edition.
4. S. Islam; M.D. Huda; M.A. Hossen; M.G.K. Bhuiyan and M.A. Rahman (2020). Seedling Raising Techniques for Rice Transplanter. Published in "Krishi Kotha", *Jyoishtho*, 1427 edition.
5. M.D. Huda; B.C. Nath; M.G.K. Bhuiyan; S. Paul and S. Islam (2020). Use of Combine Harvester and importance. Published in "Krishi Kotha", *Shrabon*, 1427 edition.

17. Seminar/Workshop/Symposium Proceedings/Popular articles/Abstract

1. M. S. Islam; M.A. Baqui; M.A. Quasem; S.M.M. Rahman; M. A Rahman; A.K.M. Saiful Islam; M. Ahiduzzaman, and M.G.K. Bhuiyan (2002). Farm Mechanization and Postharvest Technologies for Rice Production and processing in Bangladesh. Proceedings of the 2nd Annual paper meet, Agricultural Engineering Division. The Institution of Engineers, Bangladesh (IEB). 20 November 2002, 133-143.
2. M. Ahiduzzaman; M.A. Baqui; M.G.K. Bhuiyan and M. Syedul Islam, 2002. Modification and Development of a low cost Rice Weeder. Proceedings of the 2nd Annual paper meet, Agricultural Engineering Division. The Institution of Engineers, Bangladesh. 20 November 2002, 144-151.
3. S.M.M. Rahman; M.G. K Bhuiyan, M.A. Rahman, M.A. Baqui and B.K.Bala (2003). Farm Level Evaluation Bio-mass energy operated Seed Dryer at selected sites of Bangladesh. Proceedings of the international Symposium on Renewable Energy: Environment protection and energy Solution for sustainable Development, Kuala Lumpur, Malaysia. 14-17September 2003, 855-863.
4. M.A. Baqui, M.S. Islam, S.M. M. Rahman, M. A. Rahman, M A. Quasem, M.D. Huda; A.K.M.S. Islam; M. Ahiduzzaman; and M.G.K. Bhuiyan (2004). Recent Development of Mechanization Technologies for Rice Production and Processing in Bangladesh. 20th Rice Research and Extension Workshop held at BRRI on 22-26 February, 2004.
5. M.S. Islam, S.M. M. Rahman, M. A. Rahman, M A. Quasem, M.D. Huda; A.K.M.S. Islam; M. Ahiduzzaman; and M.G.K. Bhuiyan and Anwar Hossen (2006). Mechanized Rice Cultivation in Bangladesh: Past Experiences and Future Potentials. 21th BRRI–DAE Joint Workshop held at BRRI on 19-21 September, 2006.
6. M.J. Alam, M.A. Hossen, B.C. Nath, G. Mowla, G.K. Bhuiyan (2008). Performance Evaluation of RDA Developed Low-Cost Deep Tube Well. Proceedings of the Annual paper meet, Agricultural Engineering Division. The Institution of Engineers, Bangladesh. 14 June, 2008, 73-78.
7. M.M. Alam, M.I.N. Khan and M.G.K. Bhuiyan (2010). Manufacturing of Agricultural Machinery in Bangladesh: Opportunities and Constraints. Proceedings of the paper meet-2010, Agricultural Engineering Division. The Institution of Engineers, Bangladesh (IEB). May,2010, 1-15.
8. M. D. Huda, M.G.K. Bhuiyan, M.A. Hossen and M. A. Rahman (2019). Farm Machinery and Postharvest Technology Activities on Rice Production and Processing.7th International

Conference on Data Science and SDGs, held in Department of Statistics, University of Rajshahi, Bangladesh, December 18-19, pp 751-754.

18. Workshop paper

S.M.M. Rahman; M.G.K. Bhuiyan; B.K. Bala and M. Jasim Uddin (2003). Problems and Suitability of seed drying by seed dryer. Farmer's evaluation workshop, 10-11 December, 2003.Seed drying research component, Seed health improvement sub-project, Bangladesh Rice Research Institute (BRRI), Bangladesh.

19. Abstract

1. B. C. Nath, G. Chen, M.A. Mazid, S.Paul, M.G.K. Bhuiyan, M.A. Hossen, M.M. Rahman and M.D. Huda (2018). Lower Degrees of Milling Embed Food and Nutrition Security in Bangladesh. Published in 33rd EFFoST International Conference 12-14 November 2019. Postillion Convention Centre, WTC Rotterdam, The Netherlands.
2. M.D. Huda. M.G.K. Bhuiyan, M.A. Hossen, M.A. Rahman and (2019). Farm Machinery and Postharvest Technology Activities on Rice production and processing. Published in 7th International Conference on "Data Science and SDG's Challenges, Opportunities and Realities" Organized by Department of Statistics, University of Rajshahi, held in December 18-19, 2019.

20. Investigator of Research Program

a) Principal Investigator of Research Program

1. Principal Investigator of the Program entitled "BRRI Solar Light Trap. Funded by Research and Innovation program under Ministry of Agriculture (2017-18).
2. Principal Investigator of the Program entitled "BRRI Solar Light Trap. Funded by Research and Innovation program under Ministry of Agriculture (2018-19).

b) Co-Principal Investigator of Research Program

Co-Principal Investigator of the Program entitled "Adaptive Field Trial of BRRI Developed Manual Rice Transplanter and Mini Combine Harvester". Funded by Research and Innovation program under Ministry of Agriculture (2016-17).

21. Relevant activities and achievement

a) **Research report**

1. M.G.K. Bhuiyan (2005). Effect of Row spacing and seed rate on Rice growth and yield by direct seeding method. Report submitted to TBIC, JICA, Japan. Vol.9,15-37
2. Annual Progress Report (2003) of Popularizing BRRI Developed Agricultural Machinery to Augment Mechanized Rice Cultivation in Bangladesh (PAMP) at Thakurgaon Site, Bangladesh. Report submitted to the Project Director, PAMP.
3. Base line survey Report on Farm Mechanization of Dogori block under Gazipur District (2005). Report submitted to the Project Director, PAMP.
4. Base line survey Report on Farm Mechanization of Goari block of Bhaluka Upazila under Mymensingh district (2005). Report submitted to the Project Director, PAMP.
5. Base line survey Report on Farm Mechanization of Kadomtoli block of Ghatail Upazila under Tangail district (2005). Report submitted to the Project Director, PAMP.
6. Base line survey Report on Farm Mechanization of Kushumhati block under Sherpur district (2005). Report submitted to the Project Director, PAMP.
7. Effect of row spacing and seed rate on Rice Growth and Yield by Direct Seeding method, Published in The Bimonthly Publication on Agriculture, Forestry and Fisheries, "Farming Japan" Vol.41-4, 2007.
8. Test report on the Seed Dryer Supplied by J.K. Industries. Submitted to Mr. Md. Imdadul Haque, Project Director of "Enhancement of Agricultural Production and Rural Employment through Extension of Agricultural Engineering" DAE, Farmgate, Dhaka.

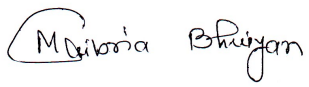
9. Principal Investigator of the Program entitled "BRRI Solar Light Trap. Funded by Research and Innovation program under Ministry of Agriculture (2017-18).
10. Principal Investigator of the Program entitled "BRRI Solar Light Trap. Funded by Research and Innovation program under Ministry of Agriculture (2018-19).

b) Technology transfer activities

1. Demonstration and Extension of BRRI Developed Agricultural Machinery among the farmers of Dinajpur, Thakurgaon, Mymensingh, Sherpur, Jamalpur , Gazipur, Cumilla, Feni districts during 2001 to 2006 under PAMP Project. (BRRI Rice-Wheat Thresher, BRRI Open drum thresher, BRRI Rice-Wheat Reaper, BRRI Winnower and BRRI Weeder).
2. Demonstration and Extension of BRRI Developed Agricultural Machinery among the Farmers of Kushtia, Gaibandha, Joypurhat, Sherpur, Jamalpur, Jaipurhat districts during 2010 to 2015 Under FMTD project. (BRRI Rice-Wheat Thresher, BRRI Open drum thresher, BRRI Rice-Wheat Reaper, BRRI Winnower, BRRI Prilled urea applicator and BRRI Weeder).
3. Demonstration and Extension of BRRI Developed Air Blow type Engelberg Huller to the farmers of Cumilla and Sirajganj during 2012 to 2015 under KOICA project.
4. Demonstration and Extension of BRRI Developed Combine Harvester and Manual Rice transplanter to the farmers of Gazipur, Chuadanga during 2016 to 2017 under Research and Innovation program of Ministry of Agriculture (MoA).
5. Demonstration and Extension of BRRI Developed Solar Light Trap to the farmers of Bogura, Narsingdi, Jessore, Khulna, Sherpur and Gazipur during 2017 to 2019 under Research and Innovation program of Ministry of Agriculture (MoA).

22. Certificates Received

1. Received certificate for working in "Rice Seed Health Improvement Project (SHIP)" from 01 April 2003 to 30 June 2004 under PETRRA project.
2. Awarded proficiency certificate for Special Light Driving Training during the period from 11 May 2004 to 01 June 2004 under Foundation Training course for NARS scientist, BARD Cumilla.
3. Received certificate for successfully completed a computer training course introducing Microsoft Windows and Microsoft Office on 18 February,2005, Organized by Tsukuba International Academy in conjunction with Japan International Cooperation Agency (JICA).
4. Received certificate of attendance for attending the "Workshop on Capacity Building for Mitigation of Climate Change by use Precision Agriculture in Bangladesh" Organized by Asian-Pacific Network for Global Change Research Project Bangladesh Component during 10-12 March, 2015, at FPM department BAU.
5. Received certificate for presenting paper in the 7th international Conference on "Data Science and SDG's Challenges, Opportunities and Realities" Organized by Department of Statistics, University of Rajshahi, held in December 18-19, 2019.



(Md. Golam kibria Bhuiyan)
Senior Scientific Officer
Farm machinery and Postharvest Technology Division
Bangladesh Rice Research Institute (BRRI)