

**CURRICULUM VITAE OF
MD. ABDULLAH AL MAMUN**

Scientific Officer
Agricultural Statistics Division
Bangladesh Rice Research Institute
(BRRI) Gazipur-1701, Bangladesh
Date of Birth: 06/05/1988
Nationality: Bangladeshi
Cell: +8801738729783
Email: mamunru4777@gmail.com
Webmail: mamun.stat@brii.gov.bd



1. Name : **MD. ABDULLAH AL MAMUN**
2. Father's name : Late Md. Golam Mustafa
3. Mother's name : Zabeda Khatun
4. Spouse name (if applicable) : Rubiya Khatun
5. Gender : Male
6. Mailing Address : Scientific Officer, Agricultural Statistics Division
, BRRI, Gazipur-1701, Bangladesh
7. Permanent Address : Village: Sontosh Nagor, P/O: Kayem Khola, Upazilla:
Jhikargachha, District: Jashore, Country: Bangladesh
8. Phone: 0088 02 49272005-14 extn. 605 (office)
0088 02 49272005-14 extn. 298 (residence)
Cell: 0088 01738729783
E-mail: mamunru4777@gmail.com
mamunru.stat@brii.gov.bd
Date of birth : 06-05-1988
10. Age : 33 years
11. Educational qualification :

Name of Degree	Board/University	Passing Year	GPA/CGPA	Out of	Discipline	Specialization
M.Sc. (Thesis)	Rajshahi University	2012	3.838	4.00	Science	Statistics
B.Sc. (Honours)	Rajshahi University	2011	3.17	4.00	Science	Statistics
H.S.C	Jashore	2006	4.00	5.00	Science	
S.S.C	Jessore	2004	3.94	5.00	Science	

Thesis/Project

Degree Level	Type	Title	Institute
M.Sc. (Thesis)	Thesis	Agricultural Drought Analysis Using Markov Chain Model: A Case Study of Dhaka and Tangail District	Department of Statistics, Rajshahi University
M.Sc. (Thesis)	In Plant Training	Report on Activities of Bureau of Statistics in Jhikargacha Upazila, Jessore, Bangladesh	Department of Statistics, Rajshahi University
B.Sc. (Honours)	Project	The Statistical Analysis of Dropout Students of Primary Education: A Case Study of Jessore District	Department of Statistics, Rajshahi University

12. Research Interest

- Experimental design
- Crop modeling
- Climate change
- Environmental statistics
- Statistical modeling and forecasting
- Stochastic process
- Agro meteorology
- Multivariate data analysis
- Time series data analysis and modeling
- Food security and poverty reduction
- Agricultural development and policy

13. Software Skill

Statistical Soft and Programming	Programming R, ArcGIS, QGIS, SPSS, Eviews, GenStat, CropStat, STAR, PB-Tools, SAS, Statistix10, Meta-R, ForTran77
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14. Specialized Training

SI	Training title	Date
1.	Hands-on training on molecular biology techniques and basics on bioinformatics, Bangladesh Rice Research Institute, Gazipur	16-26 August, 2021
2.	Hands-on training for using high throughput phenotypic system for c4 rice research, Bangladesh Rice Research Institute, Gazipur	6-7 June, 2021
3.	Introduction to GIS and Remote Sensing in Agricultural Research, Bangladesh Rice Research Institute, Gazipur	22-25 March, 2021
4.	Application of Bioinformatics in Rice Improvement, Bangladesh Rice Research Institute, Gazipur	14-24, January 2020
5.	Hands on Training on Data Analysis for Crop Modeling, Bangladesh Rice Research Institute, Gazipur	6-8, January 2020
6.	Rice Physiological Development Through Trait Discovery Training Course, Bangladesh Rice Research Institute, Gazipur	28 Dec- 2 Jan, 2020
7.	Agricultural Research Methodology, Bangladesh Rice Research Institute, Gazipur	16-20, Nov 2019
8.	BAS-TWAS-SASAREP Young Scientists Meeting, Bangladesh Academy of	28-29, Sep 2019

SI	Training title	Date
	Science, Dhaka	
9.	Decision Support System for Agro-Technology Transfer (DSSAT), Bangladesh Rice Research Institute, Gazipur	26-29 May, 2019
10.	N-25th Foundation Training Course for NARS Scientists, National Agricultural Training Academy, Gazipur	05 Aug- 02 Dec, 2018
11.	Bioinformatics for Sustainable Development in Agriculture, Bangladesh Agricultural Research Council, Dhaka	26-28 Dec, 2017
12.	6 th National Workshop Bioinformatics for Sustainable Development in Agriculture, Health and Environment, Bangladesh Rice Research Institute, Gazipur	13-14, Dec 2017
13.	Hands-on Training on P-rep Design, Bangladesh Rice Research Institute, Gazipur	05 Dec, 2017
14.	Hybrid Rice Development and Seed Production Training, Bangladesh Rice Research Institute, Gazipur	12-16 Nov, 2017
15.	Crop Yield Forecasting and Projection using Climate Data and Water Balance Estimates, Bangladesh Bureau of Statistics, Dhaka	19-21 Sep, 2017
16.	Experimental Design and Data Analysis Training Course, Bangladesh Rice Research Institute, Gazipur	1-3 April, 2017
17.	Modern Rice Production Training Course, Bangladesh Rice Research Institute, Gazipur	4-6 March, 2017
18.	Programming R for Experimental Design and Data Analysis, Bangladesh Rice Research Institute, Gazipur	18-22 Dec, 2016
19.	Basic on Agro Meteorology. Linux, Weather Research and Forecasting (WRF) model and Climate Prediction Tool (CPT) Training Course, Bangladesh Meteorological Department, Dhaka	16-30 Aug, 2016
20.	Two-Month Rice Production and Communication Training Course, Bangladesh Rice Research Institute, Gazipur	30 Aug to 28 Oct, 2015

15. Conference and Workshops

Date	Conference and Workshops Title
21-24 December, 2012	<i>“International Conference on Statistical Data Mining for Bioinformatics Health Agriculture and Environment”</i> , Organized by Department of Statistics, University of Rajshahi, Supported by Higher Education Quality Enhancement Project (HEQEP).
18-19 October, 2012	<i>“International Workshop on Large Scale National Survey”</i> , Organized by Department of Statistics, University of Rajshahi, Supported by Higher Education Quality Enhancement Project (HEQEP).
21-22 September, 2012	<i>“Workshop on Optimization”</i> , Organized by Department of Statistics, University of Rajshahi, Supported by Higher Education Quality Enhancement Project (HEQEP).
27-28 July, 2012	<i>“Workshop on Environmental Analysis under Climate Change”</i> , Organized by Department of Statistics, University of Rajshahi, Supported by Higher Education Quality Enhancement Project (HEQEP).

20-22 April, 2012	“International Workshop on Health Statistics” Organized by Department of Statistics, Rajshahi University, Supported by Higher Education Quality Enhancement Project (HEQEP).
25-26 November, 2011	“Workshop on Multivariate Calculus for Machine Learning” , Organized by Department of Statistics, Rajshahi University, Supported by Higher Education Quality Enhancement Project (HEQEP).
30 September - 01 October, 2011	“Workshop on Matrix Analysis and Their Applications in Statistics” , Organized by Department of Statistics, Rajshahi University, Supported by Higher Education Quality Enhancement Project (HEQEP).
28-30 July, 2011	“Workshop on Calculus I for Machine Learning” , Organized by Department of Statistics, Rajshahi University, Supported by Higher Education Quality Enhancement Project (HEQEP).

16. PUBLICATIONS (28)

(a) Journal Papers: (27)

Sl. No	Author (s), Year of publication, Title, Journal name, Volume &/or Issue no. and Page number of the scientific papers
1.	Al Mamun, M.A. , Nihad, S.A.I., Sarkar, M.A.R., Aziz, M.A., Qayum, M.A., Ahmed, R., Rahman, N.M.F., Hossain, M.I. and Kabir, M.S., 2021. Growth and trend analysis of area, production and yield of rice: A scenario of rice security in Bangladesh. PloS one, 16(12), p.e0261128. https://doi.org/10.1371/journal.pone.0261128
2.	Islam, R., Nihad, S.A.I., Obaidullah, A.J.M., Al Mamun, A. , Moniruzzaman, M. and Hasan, S., 2021. Efficacy of biological, chemical and cultural practices for the management of foot and root rot disease of black cumin. Biocatalysis and Agricultural Biotechnology, 37, p.102193.
3.	Nasim, M., Khatun, A., Kabir, M.J., Mostafizur, A.B.M., Mamun, M.A.A. , Sarkar, M.A.R. and Kabir, M.S., 2021. Intensification of Cropping through Utilization of Fallow Period and Unutilized Land Resources in Bangladesh. Bangladesh Rice Journal, 25(1), pp.89-100.
4.	Rahman, N., Rahman, M., Baten, M., Hossain, M., Hassan, S., Ahmed, R., Hossain, M., Hossain, A., Aziz, M. ., Haque, M., Halder, T. ., Mamun, M. , Bhuiyan, M., Khan, M., Chowdhury, A. ., Qayum, M., Sarkar, M., Salam, M., & Kabir, M. (2021). Weather Forecast Based Rice Advisory Services in Bangladesh. Bangladesh Rice Journal, 25(1), 51–74. https://doi.org/10.3329/brj.v25i1.55179
5.	Kabir, M.J., Sarkar, M.A.R., Rahman, M.C., Rahman, N.M.F., Mamun, M.A.A. , Chowdhury, A., Salam, M.U. and Kabir, M.S., 2021. Risk of rice cultivation under current and future environment and market. Bangladesh Rice Journal, 25(1), pp.101-110.
6.	Karmakar, B., Rahman, M.M., Sarkar, M.A.R., Mamun, M.A.A., Rahman, M.C., Nessa, B., Salam, M.U. and Kabir, M.S., 2021. Adoption Lag Minimization for Increasing Rice Yield. Bangladesh Rice Journal, 25(1), pp.75-88.
7.	Hossain, M.S., Islam, A.K.M.S., Kabir, M.J., Sarkar, M.A.R., Mamun, M.A.A. , Rahman, M.C., Salam, M.U. and Kabir, M.S., 2021. Role of Training in Transferring Rice Production

Sl. No	Author (s), Year of publication, Title, Journal name, Volume &/or Issue no. and Page number of the scientific papers
	Technologies to Farm Level. Bangladesh Rice Journal, 25(1), pp.111-120.
8.	Aziz, M.A., Hossain, A.Z., Moniruzzaman, M., Ahmed, R., Zahan, T., Azim, S., Qayum, M.A. , Al Mamun , M.A., Kader, M.A. and Rahman, N.M.F., 2021. Mapping of Agricultural Drought in Bangladesh using Geographic Information System (GIS). Earth Systems and Environment, pp.1-11.
9.	Shozib, H.B., Siddiquee, M.A., Rahman, N.M.F., Mamun, M.A.A. , Sarkar, M.A.R., Rabbi, S.M.H.A., Salam, M.U. and Kabir, M.S., 2020. Grain quality research of rice for ensuring nutritional food security. Bangladesh Rice Journal, 24(2), pp.103-117.
10.	Rahman, M.S., Haque, M.M., Kabir, M.J., Islam, A.K.M.S., Sarkar, M.A.R., Mamun, M.A.A. , Salam, M.U. and Kabir, M.S., 2020. Enhancing rice Productivity in the unfavourable ecosystems of Bangladesh. Bangladesh Rice Journal, 24(2), pp.83-102.
11.	Bhuiyan, M.K.A., Islam, A.K.M.S., Sarkar, M.A.R., Mamun, M.A.A. , Salam, M.U. and Kabir, M.S., 2020. Agronomic management and interventions to increase rice yield in Bangladesh. Bangladesh Rice Journal, 24(2), pp.161-181.
12.	Haque, M.M., Islam, M.R., Rahman, M.S., Sarkar, M.A.R., Mamun, M.A.A. , Salam, M.U. and Kabir, M.S., 2020. Soil health as influenced by fertilizer management in rice based cropping system. Bangladesh Rice Journal, 24(2), pp.119-131.
13.	Kabir, M.S., Salam, M.U., Islam, A.K.M.S., Sarkar, M.A.R., Mamun, M.A.A. , Rahman, M.C., Nessa, B., Kabir, M.J., Shozib, H.B., Hossain, M.B. and Chowdhury, A., 2020. Doubling rice productivity in Bangladesh: A way to achieving SDG 2 and moving forward. Bangladesh Rice Journal, 24(2), pp.1-47.
14.	Rabbi, S.M.H.A., Biswas, P.L., Rashid, E.S.M.H., Iftekharuddaula, K.M., Rahman, N.M.F., Rahman, M.S., Sarkar, M.A.R., Mamun, M.A.A. , Salam, M.U. and Kabir, M.S., 2020. Increasing rice yield through targeting genetic potentials by rice types. Bangladesh Rice Journal, 24(2), pp.67-82.
15.	Shaikh, N.Y., Alam, M.A., Kamruzzaman, M., Al Mamun, M.A. and Islam, A.S., 2021. Effect of Seeding Density on Mat-Type Seedling Quality for Mechanical Transplanting in Dry Season Rice. Agricultural Sciences, 12(11), pp.1231-1243.
16.	Uddin, M.E., Ahmed, M., Mishu, T.A., Arafat, S., Nihad, I., Al Mamun, M.A. and Das, G., Insecticidal and growth inhibitory potentiality of Chitosan, a chitin-derived biopesticide against Spodoptera litura (Fabricius).
17.	Sarkar, M.I.U., Jahan, A., Naher, U.A., Iqbal, M., Al Mamun, M.A. , Biswas, J.C. and Islam, M.R., 2020. Organic and inorganic amendment of wetland paddy soil for five years: effects on phosphorus fraction dynamics. Journal of Crop Improvement, pp.1-22.
18.	Islam, M.M., Al Mamun, M.A. and Alam, M.F., 2020. In vitro clonal propagation and evaluation of antibacterial activity of Benghal day flower-Commelina benghalensis L. Notulae Scientia Biologicae, 12(3), pp.628-636.
19.	Al Mamun, M.A. , Hossain, M.I., Kabir, M.S., Rahman, N.M.F., Qayum, M.A., Aziz, M.A.

Sl. No	Author (s), Year of publication, Title, Journal name, Volume &/or Issue no. and Page number of the scientific papers
	and Ahmed, R. GGE biplot and Stability Analysis for Yield Performance of Rice Genotypes across Different Environments in Bangladesh. 7th Int. Conf. on Data Science & SDGs, December 18-19, 2019, Dept. of Statistics, RU, pp 743-750
20.	Qayum, M.A., Hossain, M.I., Rahman, N.M.F., Aziz, M.A., Al Mamun, M.A. , Ahmed, R. and Kabir, M.S., Region specific BRRI variety adoption: A simple way of increasing national production. 7th Int. Conf. on Data Science & SDGs, December 18-19, 2019, Dept. of Statistics, RU, pp 755-764
21.	Aziz, M.A., Hossain, M.I., Ahmed, R. and Rahman, N.M.F., Al Mamun, M.A. , Edaphic Suitability Mapping of BRRI dhan50 and BRRI dhan72. 7th Int. Conf. on Data Science & SDGs, December 18-19, 2019, Dept. of Statistics, RU, pp 735-742
22.	Karmakar, B., Mamun, M.A.A. , Rahman, M.S., Islam, M.A., Islam, M.R., Mukul, M.H.R., Zahan, A., Barua, R., Biswash, M.R., Parveen, S. and Akter, S., 2019. Adaptation of Promising Rice Genotypes for Broadcast Aus Season. Bangladesh Rice Journal, 23(2), pp.35-48.
23.	N M F Rahman, Mamun MAA , R Ahmed, M I Hossain, M A Qayum, M A Aziz, M A Hossain and M S Kabir (2018) Stability and Adaptability Analysis of BRRI Developed Aus Varieties in Different Locations of Bangladesh. Bangladesh Rice J. 22 (1): 65-72, DOI: 10.3329/brj.v22i1.41839
24.	N. Akter, M. Khalequzzaman, M.Z. Islam, Mamun MAA and M.A.Z. Chowdhury (2018) GENETIC VARIABILITY AND CHARACTER ASSOCIATION OF QUANTITATIVE TRAITS IN JHUM RICE GENOTYPES. SAARC J. Agri., 16(1): 193-203 DOI: http://dx.doi.org/10.3329/sja.v16i1.37434
25.	Mamun MAA , Rahman MNF, Aziz MA, Qayum MA, Hossain MI, et al. (2018) Identification of Meteorological Drought Prone Area in Bangladesh using Standardized Precipitation Index. J Earth Sci Clim Change 9: 457. doi: 10.4172/2157-7617.1000457
26.	Moula MS, Hossain MS, Farazi MM, Ali MH, Mamun MAA (2018) Effects of Consecutive Two Years Tobacco Cultivation on Soil Fertility status at Bheramara Upazilla in Kushtia District. J Rice Res 6: 190. doi:10.4172/2375-4338.1000190
27.	M. Sh. Islam, A.B.M. Zahid Hossain, M.S. Miah, S.M. Shahriar, Mamun MAA (2015) Evaluation of Aus Rice (<i>Oryza sativa</i> L.) Production in Less Irrigated Situation in Northern Region of Bangladesh. The Agriculturists 15(1):110, DOI: 10.3329/agric.v15i1.33434

(b) Books: (1)

Sl	Reference
1.	M S Kabir, M U Salam, A K M S Islam, M A R Sarkar and M A A Mamun , eds. 2020. Doubling rice productivity in Bangladesh. Bangladesh Rice Research Institute, Gazipur, Bangladesh: pp. 453.

17. Professional Experience

Position	Period			Division	Institute
	From	To	Total Yr/Month		
Scientific Officer	26-07-2015	Present	6 Yrs & 6 months	Agricultural Statistics Division	BRRRI

18. SCHOLARSHIP AND AWARDS

- Best Scientist Award 2019-2020
- Awarded special allocation for science and technology grant from Ministry of Science and Technology, Govt. of Bangladesh for stability and adaptability analysis of BRRRI released Aus varieties in different locations of Bangladesh.
- Awarded invitation to present a paper in International Conference on Data Science and SDGs: Challenges, Opportunities and Realities, Department of Statistics, University of Rajshahi, 18-19 December, 2019.

19. Special experience in project-based research activities

SL No.	Name of the project and period	Responsibilities
1	Agrometeorological Information System Development Project (BRRRI Part)	Working as a Focal Point
2	Stability and adaptability analysis of BRRRI released Aus varieties in different locations of Bangladesh	Working as a Co-Principal Investigator

20. Outstanding performance

(i) Invited as resource speaker for different types of training/teaching program

1. Invited trainer for 04 batches (18-22 December, 2016; 01-05 January 2017; 08-12 January 2017 and 08-12 February 2017) for the training program on "**Programming R for Experimental Design and Data Analysis**" organized by Agricultural Statistics Division and funded by Mujibnagar Integrated Agricultural Development Project of BRRRI.
2. Invited as resource speaker (for 05 batches) the training program on **Advance research data management Using RStudio and refresher course on scientific report writing**. organized by Training Division, Bangladesh Rice Research Institute, Gazipur, Bangladesh funded by GoB. (25-30 September, 2021; 02-07 October, 2021; 09-14 October, 2021; 23-28 October, 2021 and 30 October-04 November, 2021)
3. Invited as resource speaker for (05 batches) the training program on **Training on scientific report writing and agricultural research methodology**. organized by Training Division, Bangladesh Rice Research Institute, Gazipur, Bangladesh funded by GoB. (04-08 October, 2020; 11-15 October, 2020; 18-22 October, 2020; 01-05 November, 2020 and 15-19 November, 2020)

4. Invited as resource speaker for the training program on **Biological Data Analysis Using Excel and SPSS Software**. organized by Bangladesh Livestock Research Institute, Savar, Dhaka. (11-15 December, 2021)
5. Invited as resource speaker for the training program on **Research Methodology and Data Analysis**. organized by Bangladesh Sugarcane Research Institute, Ishwardi, Pabna, Bangladesh. (25-30 November, 2021)
6. Invited as resource speaker (03 batches) for the training program on **Excel Based Data Analysis for Early Career Scientist** funded by NATP-2/PIU-BARC, Farmgate, Dhaka, Bangladesh. (09-11 November, 2021)

(ii) Member of different professional society

1. Life member of Bangladesh Rajshahi University Alumni Association (RUSA)
2. Member of Bangladesh Rice Research Institute Scientist Association (BRRISA)
3. Member of Bangladesh Rice Research Institute Officers Club.
4. Member of Bangladesh Rice Research Institute Co-operative.

(iii) Others Co-Curriculum

1. Reviewed scientific paper of Bangladesh Rice Journal
2. Have experience on sample surveys, Statistical field work and participant as a volunteer on International Conference held in Department of Statistics, University of Rajshahi, 2012
3. Ex-Literature & Cultural Secretary of Statistical Association, Department of Statistics, University of Rajshahi, 2011
4. Became elected member of Statistical Association, Department of Statistics, University of Rajshahi, 2011

21. Language proficiency:

Language Ability				
	Reading	Writing	Hearing	Speaking
English	Excellent	Excellent	Excellent	Excellent
Bangla	Excellent	Excellent	Excellent	Excellent

22. References

Dr. M. Sayedur Rahman
Professor
 Department of Statistics
 Rajshahi University, Rajshahi, Bangladesh.
 Cell: +8801715360318
 E-mail: rmsayedur@gmail.com

Dr. Md. Shahjahan Kabir
Director General
 Bangladesh Rice Research Institute, Gazipur.
 Cell: +8801712280083
 E-mail: kabir.stat@gmail.com

I do here by declare that the above information is true and correct to the best of my knowledge.

Sincerely Yours

(Md. Abdullah Al Mamun)