CURRICULUM VITAE OF

MD. ABDULLAH AL MAMUN

Senior Scientific Officer Agricultural Statistics Division Bangladesh Rice Research Institute (BRRI) Gazipur-1701, Bangladesh

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1. Name : **MD. ABDULLAH AL MAMUN**

2. Father's name : Late Md. Golam Mustafa

3. Mother's name : Zabeda Khatun4. 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:

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9. Date of birth : 06-05-1988

10. Educational qualification

Name of dames	Doord/University	Dogging was	GPA/	Out of	Digginling	Specialization
Name of degree	Board/University	Passing year	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	Jashore	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	Rajshahi University
M.Sc. (Thesis)	In Plant	Report on Activities of Bureau of Statistics in	n Department of Statistics,
Wi.Sc. (Thesis)	Training	Jhikargacha Upazila, Jessore, Bangladesh	Rajshahi University
B.Sc.		The Statistical Analysis of Dropout Students	Department of Statistics,
(Honours)	Project	of Primary Education: A Case Study of Jessore District	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 R, Python, ArcGIS, QGIS, SPSS, Eviews, GenStat,
Programming	CropStat, STAR, PB-Tools, Matlab, Statistix10, Meta-R, ForTran77

14. Specialized Training

Sl	Training title	Data
1.	Integrated Pest Management Using Seamless Climate Information	27-29 June (Zoom)
	Training, Bangladesh Rice Research Institute, Gazipur	& 25-28 July, 2022
2.	Introduction to basic concepts on Genomics and Plant Breeding,	24 -26 July, 2022
	Bangladesh Rice Research Institute, Gazipur	
3.	Application of Impact Assessment Methods in Agriculture,	29 May to 02 June,
	Bangladesh Agricultural Research Council, Dhaka	2022
4.	Hands-on training in Advance Molecular Biology and Bioinformatics	5- 15 March, 2022
	Course, Bangladesh Rice Research Institute, Gazipur	
5.	Hands-on training on molecular biology techniques and basics on	16-29 August, 2021
	bioinformatics, Bangladesh Rice Research Institute, Gazipur	
6.	Introduction to GIS and Remote Sensing in Agricultural Research,	22-25 March, 2021
	Bangladesh Rice Research Institute, Gazipur	
7.	Innovation in Public Service, Training Complex, BRRI, Gazipur	12-13 Oct, 2020
8.	Application of Bioinformatics in Rice Improvement, Bangladesh	14-24, January 2020
	Rice Research Institute, Gazipur	
9.	Hands on Training on Data Analysis for Crop Modeling, Bangladesh	6-8, January 2020
	Rice Research Institute, Gazipur	
10.	Rice Physiological Development Through Trait Discovery Training	28 Dec- 2 Jan, 2020
	Course, Bangladesh Rice Research Institute, Gazipur	

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

15. Conference and Workshops

Date	Conference and Workshops Title		
21-24	"International Conference on Statistical Data Mining for Bioinformatics Health		
December,	Agriculture and Environment", Organized by Department of Statistics, University		
2012	of Rajshahi, Supported by Higher Education Quality Enhancement Project		
	(HEQEP).		
21-22 Sep,	"International Workshop on Large Scale National Survey", Organized by		
2012	Department of Statistics, University of Rajshahi, Supported by Higher		
	Education Quality Enhancement Project (HEQEP).		
	"Workshop on Optimization", Organized by Department of Statistics, University of		
	Rajshahi, Supported by Higher Education Quality Enhancement Project (HEQEP)		
27-28 July,	"Workshop on Environmental Analysis under Climate Change", Organized by		
2012	Department of Statistics, University of Rajshahi, Supported by Higher		
	Education Quality Enhancement Project (HEQEP).		
20-22 April,	"International Workshop on Health Statistics" Organized by Department of		
2012	Statistics, Rajshahi University, Supported by Higher Education Quality		
	Enhancement Project (HEQEP).		

Date	Conference and Workshops Title		
25-26 Nov,	"Workshop on Multivariate Calculus for Machine Learning", Organized by		
2011	Department of Statistics, Rajshahi University, Supported by Higher Education		
	Quality Enhancement Project (HEQEP).		
30 Sep -	"Workshop on Matrix Analysis and Their Applications in Statistics", Organized		
01Oct, 2011	by Department of Statistics, Rajshahi University, Supported by Higher		
	Education Quality Enhancement Project (HEQEP).		
28-30 July,	"Workshop on Calculus 1 for Machine Learning", Organized by Department		
2011	Of Statistics, Rajshahi University, Supported by Higher Education Quality		
	Enhancement Project (HEQEP).		

16. PUBLICATIONS (30)

(a) Journal Papers: (29)

Sl.	Author (s), Year of publication, Title, Journal name, Volume &/or Issue no. and Page			
No	number of the scientific papers			
1.	Alam, M.J., McKenzie, A.M., Begum, I.A., Buysse, J., Wailes, E.J., Sarkar, M., Rouf, A., Al			
	Mamun, A. and Van Huylenbroeck, G., 2022. Spatial market integration of rice in Bangladesh			
	in the presence of transaction cost. Agricultural and Food Economics, 10(1), pp.1-21.			
2.	Aziz, M., Shohan, H.U.S., Rahman, N.M., Rahman, M.C., Nihad, S.A.I., Hassan, S.M., Kabir,			
	M., Hossain, M., Ahmed, R., Qayum, M. and Mamun, M., 2022. Projection of Future			
	Precipitation in Bangladesh at Kharif-II Season Using Geospatial Techniques. Earth Systems			
	and Environment, pp.1-12.			
3.	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			
4.	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.			
5.	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.			
6.	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.			
7	https://doi.org/10.3329/brj.v25i1.55179			
7.	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			
8.	environment and market. Bangladesh Rice Journal, 25(1), pp.101-110.			
8.	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.			
0	Bangladesh Rice Journal, 25(1), pp.75-88.			
9.	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			
10.	Technologies to Farm Level. Bangladesh Rice Journal, 25(1), pp.111-120.			
10.	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			
	AI Maniun, M.A., Kader, M.A. and Kanman, M.M.F., 2021. Mapping of Agricultural Drought			

- Sl. Author (s), Year of publication, Title, Journal name, Volume &/or Issue no. and Page
 No number of the scientific papers
 in Bangladesh using Geographic Information System (GIS). Earth Systems and Environment,
 - in Bangladesh using Geographic Information System (GIS). Earth Systems and Environment, pp.1-11.
- 11. 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.
- 12. 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.
- 13. 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.
- 14. 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.
- 15. 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.
- 16. 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.
- 17. 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.
- 18. 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).
- 19. 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.
- 20. 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.
- 21. Al Mamun, M.A., Hossain, M.I., Kabir, M.S., Rahman, N.M.F., Qayum, M.A., Aziz, M.A. 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
- 22. 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 755-76
- 23. 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
- 24. 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.

Sl.	Author (s), Year of publication, Title, Journal name, Volume &/or Issue no. and Page			
No	number of the scientific papers			
25.	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			
26.	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			
27.	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			
28.	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			
29.	M. Sh. Islam, A.B.M. Zahid Hossain, M.S. Miah, S.M. Shahriar, Mamun MAA (2015)			
	Evaluation of Aus Rice (Oryza sativa L.) Production in Less Irrigated Situation in Northern			
	Region of Bangladesh. The Agriculturists 15(1):110, DOI: 10.3329/agric.v15i1.33434			

(b) Books: (2)

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.
2.	Aziz, MA., Rahman, N M F., Rahman, M C., Nihad, S A I., Ahmed, R., Qayum, M A.,
	Mamun, M A A., Hossain, M I., Kabir, M S. (2023). Present and Future Precipitation
	Scenario of Bangladesh. Bangladesh Rice Research Institute (BRRI), Bangladesh.

17. Professional Experience

	Î	Period			
Position	From	То	Total Yr/Month	Division	Institute
Senior Scientific Officer	11-04-2023	Present		Agricultural Statistics	BRRI
Scientific Officer	26-07-2015	10-04-2023	7 Yrs & 8 Months	Agricultural Statistics	BRRI

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 BRRI 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	Name of the project and period	Responsibilities
1.	Agrometeorological Information System Development	Working as a Focal Point
	Project (BRRI Part)	
2.	Stability and adaptability analysis of BRRI released Aus	Working as a Co-Principal
	varieties in different locations of Bangladesh	Investigator

20. Outstanding performance

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

- 1. Invited trainer for 04 batches 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 BRRI.
- 2. Invited as a resource person for "Scientific report writing organized by Training Division from 04-08 October, 2020, Bangladesh Rice Research Institute, Gazipur.
- 3. Invited as a resource person for "Scientific report writing from 18-22 October, 2020 organized by Training Division Bangladesh Rice Research Institute, Gazipur.
- 4. Invited as resource speaker for Excel Based Data Analysis for Early Career Scientist from March, 2021 funded by NATP-2/PIU-Bangladesh Agricultural Research Council, Dhaka.
- 5. Invited as a resource person for "Advanced research data management and refresher course on Scientific report writing from 25-30 September, 2021 organized by Training Division Bangladesh Rice Research Institute, Gazipur.
- 6. Invited as a resource person for "Advanced research data management and refresher course on Scientific report writing from 09-14 October, 2021 organized by Training Division Bangladesh Rice Research Institute, Gazipur.
- 7. Invited as a resource person for "Advanced research data management and refresher course on Scientific report writing from 23-28 October, 2021 organized by Training Division Bangladesh Rice Research Institute, Gazipur.
- 8. Invited as a resource person for "Advanced research data management and refresher course on Scientific report writing from 30 October to 04 November, 2021 organized by Training Division Bangladesh Rice Research Institute, Gazipur.
- 9. Invited as resource speaker for Excel Based Data Analysis for Early Career Scientist from 9-11 November, 2021 funded by NATP-2/PIU-Bangladesh Agricultural Research Council, Dhaka.
- 10. Invited as a resource person for "Research Methodology and Data Analysis course from 25-30 November, 2021 organized by Training Division Bangladesh Sugarcrop Research Institute, Ishwardi, Pabna.
- 11. Invited as a resource person for "Biological Data Analysis Using Microsoft Excel and SPSS Software from 11-15 December, 2021 organized by BLRI, Savar, Dhaka.
- 12. Invited as a resource person for "Two-month modern rice production training course for 12 March 2022 organized by Training Division Bangladesh Rice Research Institute, Gazipur.
- 13. Invited as resource speaker for Research Methodology Training Course from 20 March-01 April, 2022 funded by NATP-2/PIU-Bangladesh Agricultural Research Council, Dhaka.
- 14. Invited as a resource person for "Two-month modern rice production training course for 20 September to 18 November 2022 organized by Training Division Bangladesh Rice Research Institute, Gazipur.
- 15. Invited as resource speaker for Exploratory Data Analysis in Agricultural Research with R Software Training Course from 26-30 November, 2022 funded by NATP-2/PIU-Bangladesh Agricultural Research Council, Dhaka.

(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

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Dr. Md. Shahjahan Kabir

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Bangladesh Rice Research Institute, Gazipur.

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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)