

**CURRICULUM VITAE (CV)
OF
MD. RUHUL QUDDUS**

Contact Address

Md. Ruhul Quddus

Scientific Officer,

Hybrid Rice Division

Bangladesh Rice Research Institute (BRRRI)

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Career Objectives

Building up an excellent career in a national or international agro-based organization, utilizing my innovative skills and potentiality to work in participatory approaches to contribute effectively through facing new challenges where strong sense of responsibility, efficiency and willingness to learn will be appreciated highly.

Professional Summary

SL. No.	Name of the organization	Title/ Position	Duration	Working area and Key Responsibility
1	Hybrid Rice Division, Bangladesh Rice Research Institute (BRRRI)	Scientific Officer (SO)	Currently working since 27.10.2019	Gazipur Head Station: Conducting field and Lab experiments, collecting, compiling and analysing data, arranging seminar and project report presentation, research findings publication, Monitoring, facilitating workshop and training, project management and problem solving, etc.
2	Plant Breeding Division, Bangladesh Rice Research Institute (BRRRI) under TRB-BRRRI Project	Scientific Officer (SO)	10.04.2016 To 24.10.2019	Gazipur Head Station: Conducting field and Lab experiments, collecting, compiling and analysing data, arranging seminar and project report presentation, research findings publication, Monitoring, facilitating workshop and training, project management and problem solving, etc.
3	Ministry of Science and Technology, Bangladesh	Research Fellow	01.07.2014 To 30.06.2015	Biotechnology Department, Bangladesh Agricultural University, Mymensingh; Conducting Lab experiment, Collecting samples, Cell subculture, Virus isolation, RNA extraction, RT-PCR and Submission of thesis.

Computer Literacy

- Professional hand on computer operation on MS Word, MS Excel, MS Power point, e-mail, Internet and photo edit.

Skill on data analysing softwares	Sl. No.	Data type	Softwar name
	1	Phenotypic data	STAR, PBTools, META-R, R
	2	Molecular data	TASSEL5, Flapjack, AlphaEaseFC, PowerMarker, TreeView,NTSYSpc, Popgen, R

Training Programme

Sl. No.	Course Title	Institution	Duration
1	Training on Data Analysis using PB Tools	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	04
2	Hands-on training on P-rep design Ref. No.: T-336/16/2957 Date: 05.12.17	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	01
3	Hands-on Training on 'Bioinformatics data management, TASSEL 5 software and leaf sampling logistics' Ref. No.: T-336/16/3076 Date: 15.04.2018 to 17.04.2018	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	03
4	Hands-on Training on Analysis of low density genotyping data (SNP marker data) Ref. No.: T-336/16/3037 Date: 20.02.2018	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	02

5	Hands-on training on operation and maintenance of RGA Greenhouse Ref. No.: T-336/16/2920 Date: 12.10.17	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	01
6	Practical workshop for high-throughput sampling and analysis	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	02
7	Training on seed storage systems using modern technology	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	01
8	Hands-on training on “Breeding4Rice Online data management system” and “Estimation of Genetic Gain of Breeding Lines Using R” Ref. No.: T-317/15 (Part-2)/3013 Date: 17.01.2018 to 18.01.2018	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	02
9	Training on Bar Code Data collection techniques	Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Joydebpur-Gazipur	01
10	Training on Basics of MS Office	Graduate Training Institute, Bangladesh Agricultural University, Mymensingh-2202	12
11	Achievement of certificate on a week-long Extension Field Trip	Department of Agricultural Extension, Bangladesh Agricultural University, Mymensingh -2202	07

Educational Qualification

Degree	Institute/University	Year of Passing	GPA/CGPA	Grade
Master of Science (M.S.) in Biotechnology	Bangladesh Agricultural University, Mymensingh-2202	2015	3.826 out of 4.00	A
B.Sc.Ag.(Hons.)	Bangladesh Agricultural University, Mymensingh-2202	2013	3.705 out of 4.00	A ⁻
H.S.C	Notre Dame College, Dhaka	2008	5.00 out of 5.00	A ⁺
S.S.C	K.G. and High School, Joypurhat Sugarmills Ltd., Joypurhat	2006	5.00 out of 5.00	A ⁺

MS Research:

Title: RT-PCR Based Detection and Adaptation of Foot and Mouth Disease Virus in BHK-21 Cell Line

Supervisor: Dr. K. M. Nasiruddin, Professor, Biotechnology Department, BAU, Mymensingh.

Co-Supervisor: Dr. Md. Bahanur Rahman, Professor, Department of Microbiology and Hygiene, BAU, Mymensingh.

Description: This research explores the basic objective which are isolation and molecular detection of foot and mouth disease virus from the collected samples of Pabna region. Adaptation of isolated virus in BHK-21 cell line and observation of cytopathic effect.

This research claim that FMDV serotype "A" is present in the Pabna district of Bangladesh. RT-PCR technique followed by BHK-21 cell adaptation of virus is very sensitive method of FMDV isolation and identification and can be used for the detection of FMD virus serotype. In future, the research findings can be used for the preparation of vaccine against FMDV.

Exam Title	Major Subject
MS in Biotechnology	Recombinant DNA technology, Genetic engineering and biotechnology, Plant cell, tissue and organ culture, Molecular markers and diagnostics, Molecular techniques, Enzymology and enzyme technology, Biopharming and bioengineering, Molecular cell biology, Practices in molecular techniques, Molecular genetics, Gene expression and regulation, Biometry and bioinformatics, Environmental biotechnology and biosafety
B.Sc.Ag.(Hons.)	Genetics and Plant Breeding, Agronomy, Biotechnology, Soil Science, Horticulture, Agricultural Extension, Entomology, Plant Pathology, Biochemistry, Agroforestry, Crop Botany, Environmental Science, Rural Sociology, Agricultural Economics, Statistics, Farm Power and Machinery

List of Publications

- 1) **Quddus, M.R.**, Rahman, M.A., Jahan, N., Debsharma, S.K., Disha, R.F., Hasan, M.M., Aditya, T.L., Iftekharuddaula, K.M. and Collard, B.C., 2019. Estimating pedigree-based breeding values and stability parameters of elite rice breeding lines for yield under salt stress during the boro season in Bangladesh. *Plant Breeding and Biotechnology*, 7(3), pp.257-271.
- 2) **MR Quddus**, ML Hossen, MMR Chowdhury, T Chakrobarty, S Mahmud, KHMNH Nazir, KM Nasiruddin, MB Rahman. 2016. RT-PCR based detection and adaptation of foot and mouth disease virus serotype “A” in BHK-21 cell line. *Progressive Agriculture*, 27(1): 64-69. DOI: <http://dx.doi.org/10.3329/pa.v27i1.27542>
- 3) M. Akhlasur Rahman*, **Md. Ruhul Quddus**, Nusrat Jahan, Md. Asif Rahman, Md. Ruhul Amin Sarker, Hosneara Hossain and KM Iftekharuddaula. 2019. Field Rapid Generation Advance: An Effective Technique for Industrial Scale Rice Breeding Program. *The Experiment*, 2019, Vol 47 (2), 2659-2670.
- 4) M Akhlasur Rahman, Nusrat Jahan, **M Ruhul Quddus**, S K Debshama, R Farzana and M Ibrahim. 2019. Development of salt tolerant rice. *BIRRI ANNUAL REPORT 2017-2018*, Page no. 3-5.
DOI: http://brri.portal.gov.bd/sites/default/files/files/brri.portal.gov.bd/page/6d86d72e_953c_4f74_9157_3cfeaa80c2b1/BIRRI%20Annual%20report%202017-18_021218.pdf
- 5) M Akhlasur Rahman, Nusrat Jahan and **M Ruhul Quddus**. 2019. Upland rice (Aus). *BIRRI ANNUAL REPORT 2017-2018*, Page no. 2.
DOI: http://brri.portal.gov.bd/sites/default/files/files/brri.portal.gov.bd/page/6d86d72e_953c_4f74_9157_3cfeaa80c2b1/BIRRI%20Annual%20report%202017-18_021218.pdf
- 6) M Akhlasur Rahman, Nusrat Jahan and **M Ruhul Quddus**. 2019. Insect resistant rice. *BIRRI ANNUAL REPORT 2017-2018*, Page no. 8.
DOI: http://brri.portal.gov.bd/sites/default/files/files/brri.portal.gov.bd/page/6d86d72e_953c_4f74_9157_3cfeaa80c2b1/BIRRI%20Annual%20report%202017-18_021218.pdf
- 7) M Akhlasur Rahman, Nusrat Jahan, **Md. Ruhul Quddus**, SK Debsharma, R F Disha and M Ibrahim. 2019. Project 06: Development of salinity tolerant rice. Annual Research Review Workshop 2017-18, Area-I: Varietal Development Programme (VDP), Component-1A: Rice Breeding, Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), 02-07 February, 2019. Page no. 32-54.
- 8) M Akhlasur Rahman, Nusrat Jahan, **Md Ruhul Quddus**. 2019. Project 1: Development of upland/Direct seeded rice (AUS). Annual Research Review Workshop 2017-18, Area-I: Varietal Development Programme (VDP), Component-1A: Rice Breeding, Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), 02-07 February, 2019. Page no. 1-6.

- 9) M Akhlasur Rahman, Nusrat Jahan, **Md Ruhul Quddus**. 2019. Project 12: Development of insect resistant rice. Annual Research Review Workshop 2017-18, Area-I: Varietal Development Programme (VDP), Component-1A: Rice Breeding, Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), 02-07 February, 2019. Page no. 103-115.

Personal Information

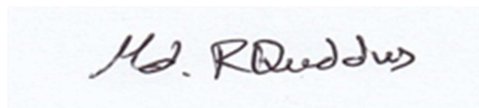
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References

<p>Dr. Md. Shahidul Islam Professor Department of Biotechnology Bangladesh Agricultural University, Mymensingh, 2202 Mob. No.: +8801738867466 Email : shahidj1@yahoo.com</p>	<p>Dr. M. Akhlasur Rahman Principal Scientific Officer (PSO) and Head BRRI R/S Bhanga Plant Breeding Division Bangladesh Rice Research Institute (BRRI) Joydebpur, Gazipur-1701 Mobile: +8801758479150 E-mail: akhlas08@gmail.com rakhlasur@yahoo.com</p>
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Declaration

I hereby, declare that this CV correctly conveys my qualifications and me, I realize that my wilful misstatement described herein result me in disqualification of dismissal if applied.



(MD. RUHUL QUDDUS)