

# SUMMARY OF CURRICULUM VITAE

## DR. MD. MAHBUBUL HAQUE



1. **Qualifications** : B.Sc. Ag.(Hon.) (BAU), MS in Plant pathology (BAU), PhD
2. **Specialization** : Plant Pathology and Molecular Biology
3. **Father's name** : Abu Ahammad
4. **Mother's name** : Hosnara Begum
5. **Date of Birth** : 01 December 1981
6. **Nationality** : Bangladeshi
7. **Marital Status** : Married
8. **Address (Office)** : Senior Scientific Officer  
Plant Pathology Division  
Bangladesh Institute of Nuclear Agriculture (BINA),  
Mymensingh, Bangladesh.  
E-mail: [mahbub.bina@gmail.com](mailto:mahbub.bina@gmail.com),  
Cell No.: +8801712343820
9. **Permanent Address** : House No. 420/1 9 (Mriddha Bari), Vill: Barahipur (North),  
Ward No. 08, P.O: Feni-3900, Dist. Feni.

### 10. Education Qualification:

Degree/Certificate	Class/Grade /Division	University/Institute/Board	Year
S.S.C	First	Dhaka Board	1996
H.S.C	First	Dhaka Board	1998
B.Sc. Ag (Hons.)	First	Bangladesh Agricultural University, Mymensingh	2003
M.S. in Plant pathology	A(-)	Bangladesh Agricultural University, Myensingh	2006
PhD in Plant Pathology	Awarded	Bangladesh Agricultural University, Myensingh	2020

### 11. Field of Specialization:

- Varietal improvement of different crops against major diseases through marker assisted selection.
- Gene pyramiding of rice and wheat disease resistance
- Studies on gene expression in plants, pathogens and insects
- Studies on population genetics and inheritance pattern of plant, pathogens and Insects
- Identification of biotypes, pathotypes or physiological races of insect and pathogens using differential systems and molecular approaches
- Studies on genetic diversity of plants, pathogens and insects based on phenotypes and molecular markers.
- Integrated pest management
- Studies on host-plant interaction with pathogens

### 12. Research interest:

Introduction to plant Pathology, Molecular Plant Pathology, Molecular Biology, Genetics of Microbes/Pathogens and Disease Resistance, Molecular Markers and Genetic Polymorphism, Gene Expression, Basic Plant Biotechnology, Research Methodology

### 13. Training

(a) In Country:

SL. No.	Organization	Year	Duration (Days)	Name of Programme
01.	Graduate Training Institute, BAU, Mymensingh	2005	09-21 July	Data Analysis: MS Excel and Mstatc
02.	Syngenta (Bangladesh) Limited, Dhaka.	2008	06-10 April	Selling Skills Course
03.	Syngenta (Bangladesh) Limited, Dhaka.	2009	9-11 October	Group Communication Workshop
04.	S@ifur's, Uttara, Dhaka	2011	02 December, 2010 to 24 April	Certificate of professional English Training
05.	Bdjobs Training, Dhaka.	2011	17 May	Effective Communication & The Disciplines of Professional Presentation
06.	Bdjobs Training, Dhaka.	2012	29 September	Professional Sales Techniques in the 21st century
07.	Bangladesh Public Administration Training Centre, Savar, Dhaka.	2013	11-25 March	Thirty-Third Training of Trainers Course
08.	Bangladesh Academy for Rural Development, Comilla	2014	15-19 February	Participatory Rural Development
09.	Graduate Training	2014	03- 15 May	Research Methodology

	Institute, BAU, Mymensingh			
10.	Korean IT Institute, BINA, Mymensingh	2013	02-14 July	IT (MS Office Program) Training Course
11.	Bangladesh Institute of Nuclear Agriculture, Mymensingh.	2014	18-29 October	Use of Nuclear Energy in Agricultural Research, Modern Research Techniques and Office Management
12.	HEQEP-AIF, CP-3011, BAU, Mymensingh.	2015	23 December	Plant disease Management
13.	Bangladesh Agricultural University, Mymensingh	2016	13-15 November	Advancement in Technology for Poverty Reduction: Opportunities and Challenges
14.	Syngenta, GTI, BAU, Mymensingh	2017	25 October	Pesticide Application Technology
15.	Graduate Training Institute, BAU, Mymensingh	2018	31 December 2017 to 11 January	Data Analysis: SAS and SPSS
16.	BINA, Mymensingh	2019	14-18 July	Training of Trainers (ToT)
17.	BINA, Mymensingh	2019	25-28 August	B-bw_ e`e`vcbv ( <i>e-file</i> )
18.	NATA, Gazipur	2019	08-12 December	Climate Smart Agriculture
19.	Noyapaltan, Dhaka	2021	05-09 December	Procuring Entity (PE) Users
20.	NATA, Gazipur	2021	24 Oct.-02 November	Public Procurement Procedure
21.	BARC	2022	08-12 January	Project Monitoring and Reporting

**(b) Abroad:**

Country	Year	Duration		Name of Programme
		Months	Days	
Malaysia	25th September-7th October 2013	-	13	Training Workshop on Nuclear Techniques in Agriculture
China	2016	-	10	Molecular technique
China	2018	-	10	Citrus Greening

**14. Experience:**

Position	Period		
	From	To	Total Year/Month
Scientific Officer (SO)	22-01-2013	29-04-2014	01 Years 03 Months 07 days
SO & Incharge	30-04-2014	14-10-2015	01 Years 05 Months 14 days

SO	15-10-2015	01-01-2020	04 years 0 Months 3 days
Senior Scientific Officer	02-01-2020	02-02-2020	1 Month
Deputy Director Admin. (cc)	03-02-2020	04-01-2021	11 Months 02 days
Senior Scientific Officer	05-01-2021	Till date	

### 15. Special experience in project-based research activities

Sl. No.	Name of the project and period	Responsibilities
01	Research Activities for the Identification of Blast Resistant Rice Mutants/Lines Using Mutation Breeding and other Advanced Techniques	Working as a Working Scientist
02	Research programme for the production of brown rot ( <i>Ralstonia solanacearum</i> ) free export quality potato using nuclear technique	Working as a Principal Investigator

### 16. Publications: 20

#### Principal author-04 Numbers:

1. **M. M. Haque**, N. Tabassum, N. A. M. E. Kabir, S. Akter and M. Saha. 2015: Study on Profitability Using Modern Inputs against Traditional for Potato Production at Different Agro-Ecological Zones of Bangladesh J. Environ. Sci. & Natural Resources, 8(2): 83-87.
2. **Haque MM**, Ali MA, Haque MR, Bir MSH, Kabir NAME 2013: Effect of container and treatment with lemon grass extract on health and quality of stored chilli seeds. J. Agrofor. Environ. Vol. 7(2), pp.143-148.
3. **Haque M M**, Md. Masud M M, Bashar S, Hossain M I, Md. Alam Z M, Islam M R. Avirulence gene based RFLP and rep-PCR distinguish the genetic variation of *Xanthomonas oryzae* pv. *oryzae* pathotypes in Bangladesh. Plant Sci-ence Today. 2022;9(1):29–40. <https://doi.org/10.14719/pst.1369>. **IF:0.7**
4. **Haque, M. M.**, Masud. M. M., Hossain, M. M., Rashid, M. M., Alam, M. Z. & Islam, M. R. (2021). Assessment of potentiality of known bacterial blight resistant genes against *Xanthomonas oryzae* pv. *oryzae* pathotypes exist in Bangladesh. Archives of Agriculture and Environmental Science, 6(3), 257-267, <https://dx.doi.org/10.26832/24566632.2021.060301>

#### Co-author(s): 15 Numbers:

1. Islam MR, Islam NET, Juthy PS, **Haque MM**, Rahman MM. **2019**. Identification of plant growth promoting antagonistic bacteria against *Xanthomonas oryzae* pv. *oryzae* in Bangladesh. *Fundamental and Applied Agriculture* 4(4): 1068–1080. **doi: 10.5455/faa.67224**
2. Mondal S, Hossien ME, Akter MA, **Haque MM**, Ali MA, Islam MR. 2019. Survival and transmission of *Xanthomonas oryzae* pv. *oryzae* in rice seeds. *Fundamental and Applied Agriculture* 4(1): 680–688. **doi:10.5455/faa.294248**
3. Bir, M. & Haque, M. & **Haque, M.** & Nath, U.K. & Khatun, R.A. & Ali, M. & Soh, E. & Park, K.W. (2018). Analysis of genetic polymorphisms in somaclonal variants of strawberry by RAPD markers. *Bioscience Research*. 15. 2840-2847. **IF:0.6**
4. Md. Shahidul Haque Bir, M. Raisul Haider, **M. Mahbubul Haque**, Md. Shamimul Islam, Taek-Keun OH and Kee Woong Park. **2018**. Impact and adaptation strategies of climate change in agricultural extension system in Bangladesh. *BIOSCIENCE RESEARCH*, 15(1): 357-368. **IF:0.6**
5. AKM K. Kabir, M.H. Islam, **M.M. Haque**, M. I. Hossain, M. H. Kabir. 2017: Effect of Miyobi on Morpho-Physiological Characters, Yield Attributes And Yield of Mungbean J. *Agrofor. Environ.* 11 (1 & 2): 27-30.
6. M.H. Islam, **M.M. Haque**, M.M. Islam, M.T. Islam and A.R. Khokon. 2017: Effect of containers and storage conditions on the health status of okra seed J. *Agrofor. Environ.* 11 (1 & 2): 21-25.
7. Md. Nazmul Alam, Md. Taj Uddin, Md. Moniruzzaman, NaziaTabassum, **Mohammad Mahbubul Haque**. 2016: Socio-economic Characteristics of the Tomato Farmers in Selected Areas of Chapainawabganj District. *Fundamental and Applied Agriculture. Fund Appl Agric* 2016, 1(2): 101-105.
8. Tabassum N, **Haque MM**, Bir MSH, Zaman MK, Saha M 2015: On-Farm Evaluation Through Modern And Traditional Cultivation Practices Of Potato Production. *Bangladesh journal of progressive science & technology. BJPST*: 12(2): 167-172 [July, 2014]
9. Munira SA, Hossain MM, Bir MSH, **Haque MM**, Islam MS 2014 : Combined effect of manures and fertilizers on the yield and quality of rice cv. Binadhan-7. *Bangladesh journal of progressive science & technology. BJPST*: 12(1):035-038 [January, 2014]
10. Uddin MJ, Begum M, Bir MSH, **Haque MM**, Islam MS 2014: Effect of weeding regime and nitrogen fertilizer application on growth and yield performance of boro rice cv. BRRI dhan29. *Bangladesh journal of progressive science & technology. BJPST*: 12(1):027-030
11. Begum A, Salim M, Bir, MSH, **Haque MM**, Islam MS 2013: Effect of sowing time on fibre and seed yields of kenaf varieties. *Bangladesh j. crop sci.* 2013, 25: 67–72.
12. Islam MS, Sarkar MAR, Bir MSH, **Haque MM**, Kabir NAME 2013: Effect of spacing of transplanting and combined level of poultry manure and npks fertilizers on the yield

and yield components of boro rice cv. BRRI dhan29. Bangladesh j. crop sci. 2013, 25: 59–66.

13. Bir MSH, Anwar MP, **Haque MM**, Islam MS, Rahmah MH 2013: Zinc nutrition of Fine Rice Varieties. J. Agrofor. Environ. Vol.7(2), p.201-203
14. Rajib RR, Islam MM, Haque MR, **Haque MM**, 2013 : Screening of Salt Tolerant Rice Germplasms at the Seedling Stage using SSR Markers. J. Agrofor. Environ. Vol. 7(2), pp.171-174.
15. Ali MO, Haque MR, Kabir NAME, **Haque MM**. 2011: Effect of spacing and time of nitrogen application on the yield and grain protein content of boro rice CV.BRRI dhan28. Bangladesh J. Environ. Sci. Vol.21, pp.47-52.

**(b) Books/Monographs/Bulletins**

**(i) Book-01**

Md. Rashidul Islam, Md. Nizam Uddin, Victoria Roy Evana, Md. Nazmul Islam, Md. Huzzatul Islam, and **Md. Mahbubul Haque**. 2020. Plant growth–promoting rhizobacteria controlling late blight pathogen, *Phytophthora infestans*". New and Future developments in microbial biotechnology and bioengineering. Published by <https://elsev.spi-global.com/>

**C. Seminar/Workshop/Symposium/Proceedings**

- A. Sultana, MM Islam, R. Rahman, **MM Haque** and L. Hassan, 2019: Marker Assisted foreground selection strategy to introgress submergence tolerant gene into Binadhan-10. 11<sup>th</sup> Biennial Conference 2019. Plant Breeding and genetics Society of Bangladesh.
- B. Mohammad Mahbubul Haque, Md. Mamunur Rashid, Md. Iqbal Hossain, Afruza Sultana, Md. Delwar Hossain and Md. Rashidul Islam 2022: Distribution and Varietal reaction of *Xanthomonas oryzae* pv. *oryzae* isolates in Bangladesh. Bangabandhu International Conference on sustainable Agriculture through Nuclear Agriculture and frontier research. Bangladesh. Bangladesh Institute of Nuclear Agriculture, Bangladesh.

**24. Referees:**

<b>Dr. Md. Rashidul Islam</b> Professor Plant Bacteriology and Biotechnology Laboratory Ex-Head Department of Plant Pathology Faculty of Agriculture Bangladesh Agricultural University Mymensingh, Bangladesh. Cell Phone:+ 88-01741-112529 Fax:+88-091-55810	<b>Dr. Mahbuba Kaniz Hasna</b> <b>Principal Scientific Officer</b> Head, Plant Pathology Division Bangladesh Institute of Nuclear Agriculture, Bangladesh. Cell: +8801731357095 E-Mail: hasnabina@gmail.com
--	---

E-mail: rasha740177@yahoo.com	
-------------------------------	--

Signature :

(Mohammad Mahbubul Haque)  
Address : Senior Scientific Officer  
Plant Pathology Division  
Bangladesh Institute of Nuclear Agriculture  
BAU Campus, Mymensingh-2202.