

Curriculum Vitae of Jannatul Farthouse



1. **Qualifications** : BS. Ag.(Hon.) (BSMRAU), MS in Biotechnology (BSMRAU)
2. **Specialization** : Plant Pathology and Molecular Biology
3. **Father's name** Md. Aatur Rahaman
4. **Mother's name** Jasmin Nahar
5. **Date of Birth** : 30 December 1990
6. **Nationality** : Bangladeshi
7. **Marital Status** : Married
8. **Address (Office)** : Scientific Officer
Plant Pathology Division
Bangladesh Institute of Nuclear Agriculture (BINA),
Mymensingh, Bangladesh.
E-mail: jannat.topy@yahoo.com
Cell No.: +8801703808002
9. **Permanent Address** Village: Charpaturia, P.O: Mrigi Bazar-7723, Upazila-
Kalukhali, District: Rajbari.

10. Education Qualification:

Degree/Certificate	Class/Grade /Division	University/Institute/Board	Year
S.S.C	GPA: 5.00/5.00	Jessore Board	2005
H.S.C	GPA: 4.5/5.00	Jessore Board	2007
BS (Ag)	CGPA: 3.95/4.00	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	2011
MS (Biotechnology)	CGPA: 3.97/4.00	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	2014

11. Laboratory Skills

- ✓ Micropipetting
- ✓ Sterile Transfer
- ✓ Preparation of buffers & growth media
- ✓ PCR
- ✓ Gel Electrophoresis
- ✓ DNA/RNA extraction
- ✓ Autoclave
- ✓ Ultracentrifuge
- ✓ pH meter
- ✓ Microscopy: Compound, Dissecting, Confocal
- ✓ Isolation of bacteria from rice
- ✓ Rotary Evaporator
- ✓ Bacterial culture and maintenance
- ✓ Selective Electrode
- ✓ Zoospore production
- ✓ MS
- ✓ Microsoft Office
- ✓ SPSS

12. Major Research interest:

Molecular Plant Pathology, Molecular Biology, Genetics of Microbes/Pathogens and Disease Resistance, Molecular Markers and Genetic Polymorphism, Gene Expression, Basic Plant Biotechnology, Research Methodology, Nanotechnology in plant protection, Metagenomics.

13. Research Experience

Master's thesis entitled "**Isolation and Molecular Characterization of Biofunctional Endophytic Bacteria from Rice (*Oryza sativa*)**" Biotechnology, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur.

Research Mentor: Dr. Md. Tofazzal Islam

- ✓ Performed standard molecular biology techniques to characterize biofunctional endophytic bacteria
- ✓ Used techniques such as dissolution, media preparation, sterilization, micropipetting, DNA/RNA extractions, PCR, gel electrophoresis, autoclave, titration, pH meter & automated image analysis

14. Employment Status:

Position	Period		Institute/Organization
	From	To	
Graduate Research Associate	April 2014	July 2014	World Bank funded Sub-project HEQEP(CP # 2071), BSMRAU
Scientific Officer (SO)	22-06-2017	Till date	BINA, Mymensingh

15. Training Information

Training title	Organization	Year	Duration days	Country
Office management, Financial administration and Research activity	Bangladesh Institute of Nuclear Agriculture, Mymensingh.	2017	22 July- 25 July	Bangladesh
E-file	BINA, Mymensingh	2018	4March- 6 March	Bangladesh
Research Methodology	Graduate Training Institute, BAU, Mymensingh	2018	31 March- 13 April	Bangladesh
Radiation Safety and Health Awareness	Bangladesh Institute of Nuclear Agriculture, Mymensingh.	2018	30 April	Bangladesh
Improved Production Techniques of Citrus Fruits	Germplasm center, BAU, Mymensingh	2018	29 May-31 May	Bangladesh
Eco-friendly plant protection tecnology	NATA, Gazipur	2018	25 -29 November	Bangladesh
Innovation in public services	Bangladesh Institute of Nuclear Agriculture, Mymensingh.	2018	13-14 August	Bangladesh
Genome editing for the Development of climate resilient crop	BSMRAU, Gazipur	2019	25 February	Bangladesh
Research and office management	BINA, Mymensingh	2019	12 May-23 May	Bangladesh
Identification and management of Quarantine pest	BARI, Gazipur	2019	16 June- 20 June	Bangladesh
Project cycle management on sustainable climate smart Agriculture for Govt. Officials	GTI, BAU, Mymensingh	2019	24-28 November	Bangladesh
National integrity strategy and information right act	BINA, Mymensingh	2019	9 December	Bangladesh
Training of Trainers	BINA, Mymensingh	2019	14 July- 18 July	Bangladesh

PPR-2008 and financial Management	BINA, Mymensingh	2020	16 June-18 June	Bangladesh
Innovation in Public Service	NATA, Gazipur	2020	08-12 November	Bangladesh
Training on MS-Excel based Data Analysis for Early career Scientist	BARC, Dhaka	2021	7 March- 9 March	Bangladesh

16. List of Publications:

1. Mondol MAM, **Farthouse J**, Islam MT, Schüffler A, Laatsch H (2016) A new lactone from *Chaetomium globosum* strain M65 that inhibits the motility of zoospores. Nat Prod Commun 11(12):1865–1868
2. Mondol MA, **Farthouse J**, Islam MT, Schüffler A, Laatsch H(2017) Metabolites from the Endophytic Fungus *Curvularia* sp. M12 Act as Motility Inhibitors against *Phytophthora capsici* Zoospores. J. Nat. Prod. 80: 347–355.
3. Mehedi MNH, Halder A, Hasan MF, Toma NI, Rouf MA, **Farthouse J** and Islam M A (2020) Influence of edible starch and sodium bi-carbonate on postharvest quality of minimally processed carrot and potato. Asian Journal of Agricultural and Horticultural Research. 6(2): 1-12.

Seminar/Workshop/Symposium/Proceedings

1. **Jannatul Farthouse** and Md. Tofazzal Islam, 2015: Endophytic bacteria isolated from the indigenous rice seeds suppress major plant pathogens in vitro. 23rd Bangladesh science conference. Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur.
2. A.A. Sabir, A.K. Rupa, M.F.R.K. Prince, E. Haque, T. Farhana, **J. Farthouse**, M.Z. Surovy, F.Y. Tithi, M.M. Rahman and T. Islam, 2015: Plant growth promoting bacteria increased yield and growth of strawberry (*Fragaria X Ananassa* Dutch.) in semi-organic growing condition. 23rd Bangladesh science conference. Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur.
3. **J. Farthouse**, M.A. Kashem, M.K. Hasna, M.I. Khalil, M.M. Haque and K.M.E. Nabi, 2022: Efficacy of fungicides in controlling wheat blast in Bangladesh. Bangabandhu International Conference on sustainable Agriculture through Nuclear Agriculture and frontier research. Bangladesh. Bangladesh Institute of Nuclear Agriculture, Bangladesh.

4. M.K. Hasna, H.A. Begum, M.A. Kashem, M.I. Khalil, M.M. Haque, K.M.E. Nabi and **J. Farthouse**, 2022: Control of seed borne fungi in jute and onion with low dose gamma radiation. Bangabandhu International Conference on sustainable Agriculture through Nuclear Agriculture and frontier research. Bangladesh. Bangladesh Institute of Nuclear Agriculture, Bangladesh.
5. K.M.E. Nabi, M.A. Kashem, M.K. Hasna, M.I. Khalil, M.M. Haque and **J. Farthouse**, 2022: Effect of nutrients on wheat blast management. Bangabandhu International Conference on sustainable Agriculture through Nuclear Agriculture and frontier research. Bangladesh. Bangladesh Institute of Nuclear Agriculture, Bangladesh.

Poster presentation

1. Jannatul Farthouse and Md. Tofazzal Islam, 2015: Probiotic bacteria promote growth and yield of rice through phosphate solubilization and phytohormone production. Global Network of Bangladeshi Biotechnologists (GNOBB) Conference. University of Dhaka, Dhaka, Bangladesh

17. Stipend

- ✓ Got merit scholarship from Bangabandhu Sheikh Mujibur Rahman Agricultural University
- ✓ Got fellowship from National Science and Information and Communication Technology, Bangladesh

18. Referees:

<p>Dr. Md. Tofazzal Islam Professor of Biotechnology Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Dhaka, Bangladesh Cell: +88-01714001414 E-Mail: tofazzalislam@yahoo.com</p>	<p>Dr. Mahbuba Kaniz Hasna Principal Scientific Officer Head, Plant Pathology Division Bangladesh Institute of Nuclear Agriculture, Bangladesh. Cell: +8801731357095 E-Mail: hasnabina@gmail.com</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Signature : 

(Jannatul Farhouse)

Address : Scientific Officer
Plant Pathology Division
Bangladesh Institute of Nuclear Agriculture
BAU Campus, Mymensingh-2202.