

Curriculum Vitae of

Hosne Ara Dilzahan
Scientific Officer
Plant Pathology Division
Bangladesh Rice Research Institute
Gazipur-1701, Bangladesh
Mobile: +8801722400703
E-mail: dilzahan@yahoo.com

**Personal Information**

1. Name : Hosne Ara Dilzahan
2. Father's name : Md. Abdul Hye
3. Mother's name : Feroza Begum
4. Permanent address : Village- Binnadair, Post Office- Baghabari,
Upazilla-Shahzadpur, District-Sirajgonj
5. Date of birth : 1 July, 1991
6. Place of birth : Sirajgonj
7. Marital status : Married
8. Nationality : Bangladeshi by birth
9. Religion : Islam
10. Basic degree : B.Sc. Ag (Hons.) in Agriculture
11. Mailing Address : Scientific Officer
Plant Pathology Division,
Bangladesh Rice Research Institute
Gazipur-1701, Bangladesh

12. Educational Qualification

| Degree | Course Duration | University/Board | Years of Passing |
|---|-----------------|--|------------------|
| Master of Science in Agriculture (Major : Applied Life Science, Graduate School of Life and Environmental Sciences) | 2 years | Kyoto Prefectural University | 2020 |
| Master of Science in Agricultural Extension and Information System | 1.5 years | Sher-e-Bangla Agricultural University, Dhaka | 2015 |
| Bachelor of Science in Agriculture | 4 years | Sher-e-Bangla Agricultural University, Dhaka | 2012 |
| HSC (Science) | 2 years | Dhaka | 2008 |
| SSC (Science) | 2 years | Rajshahi | 2006 |

13. Professional Experience/current Job

| Position | Organization | Length of service | | Research Experiences |
|--------------------|--------------------------------|----------------------------|-----------|--|
| | | From | To | |
| Scientific Officer | Plant Pathology, BRRI, Gazipur | 26 th July 2015 | Till date | <p>I. Isolation, identification and purification of fungal, viral and bacterial pathogen through systemic plant pathological approaches.</p> <p>II. Working experience in host-pathogen interaction using light microscope.</p> <p>III. Skilled at field experimental techniques.</p> <p>IV. Identification of bio-control agents suitable for controlling the pathogens causing major rice diseases in Bangladesh.</p> <p>V. Have basic expertise and experience on molecular Molecular Plant Pathology, Molecular Biology, Molecular Markers and Genetic Polymorphism, Basic Plant Bioinformatics.</p> <p>VI. Experience in AAS, HPLC, LCMS and ICPOES</p> |

14. Training Obtained

| Title | From | To | Training venue | Sponsoring Agency |
|---|------------|------------|--|--------------------|
| Two-month Rice Production and Communication Training Course | 30.08.15 | 28.10.15 | Training Division, BRRI, Gazipur | BRRI |
| Eco-friendly Plant Protection Technology | 28.11.16 | 01.12.16 | National Agricultural Training Academy | NATA |
| Programming R for Experimental Design and Data Analysis | 12.02.17 | 16.02.17 | Agricultural Statistic Division, BRRI, Gazipur | Mujibnagar Project |
| Modern Rice Production Training Course | 4.3.2017 | 6.3.2017 | Training Division, BRRI, Gazipur | BRRI |
| Scientific Report Writing | 1.11.2020 | 5.11.2020 | Training Division, BRRI, Gazipur | BRRI |
| Innovation In Public Service | 8.11.2020 | 12.11.2020 | National Agricultural Training Academy | NATA |
| Hands-on Training in AAS, HPLC, LCMS and | 21.12.2020 | 1.01.2021 | Training Division, BRRI, | BRRI |

| ICPOES Course | | | Gazipur | |
|--|-----------|-----------|----------------------------------|---|
| Excel Based Data Analysis for Early Career Scientists | 10.3.2021 | 12.3.2021 | BARC, Dhaka, Bangladesh | PIU-BARC, National Agricultural Technology Program Phase-II Project |
| Hands-on Training for Using High Throughput Phenotypic System for C4 Rice Research | 25.4.2021 | 26.4.2021 | Training Division, BRRI, Gazipur | |
| Hands-on Training in Laboratory Management Course | 6.6.2021 | 17.6.2021 | Training Division, BRRI, Gazipur | BRRI |

15. Awards and fellowship: Japanese Government Scholarship (MEXT) 2017, Japan

16. Scientific Publications:

1. **H.A. Dilzahan**, M. Yoshida, M. Umeda, M.A. Calubaquib, N.D. Organo and A.F. Cruz (2020). Biocontrol of soil diseases and soil profile associated with rhizosphere of rice (*Oryza sativa* Subsp. *Japonica*) growing paddy fields in Kansai region, Japan, *Acta Agriculturae Scandinavica, Section B — Soil & Plant Science* 70 (5): 444-455
DOI:10.1080/09064710.2020.1767192
<https://doi.org/10.1080/09064710.2020.1767192>
2. A.B.M.M. Islam, J.R. Rahman, S.A.I. Nihad, R. Akter, **H.A. Dilzahan**, M.Z. Islam, M.R. Bhuiyan, M.H. Kabir, M.M. Rashid, M.R. Islam, M.A. Latif and M.A.I. Khan (2017). Evaluation of indigenous rice germplasm for identification of durable bacterial blight (*Xanthomonas oryzae* pv. *oryzae*) resistance sources in Bangladesh, *The Experiment* 43(3): 2495-2515
3. M. M. Rashid, M. R. Bhuiyan, **H. A. Dilzahan**, M. A. Hamid, N. Hasan, M. A. I. Khan, M A Latif (2020). Biological Control of Rice Sheath Blight Disease (*Rhizoctonia solani*) Using Bio-pesticides and Bio-control agents. *Bangladesh Rice J.* 24 (1): 47-58
DOI: 10.3329/brj.v24i1.53239
<https://doi.org/10.3329/brj.v24i1.53239>

17. Participation in international conference:

1. Paper presented on “**Biological control of Bacterial Leaf Blight and Sheath Blight Disease of Rice by Plant-Associated Rhizospheric Bacteria**” at the 1ST DLSAU International Multidisciplinary Research Conference (4th DLSAU Research Congress), January 25-26, 2019 at De La Salle Araneta University, Malabon City, Philippines.
2. Paper presented on “**Biological control of Chestnut Diseases: Phytophthora cambivora and Armillaria mellea**” at the 1ST DLSAU International Multidisciplinary Research Conference (4th DLSAU Research Congress), January 25-26, 2019 at De La Salle Araneta University, Malabon City, Philippines.

18. Language proficiency: Skilled at English (Reading, Writing and Speaking).

19. Computer Skills: Proficiency in word processing, Excel and PowerPoint

20. Persons to whom a reference may be made

- 01. Jiban Krishna Biswas**, Executive Director, Krishi Gobeshona Foundation (KGF) and Director General (Former), Bangladesh Rice Research Institute, Tel/Cell: +8801711960349, Email: biswas.jiban@gmail.com
- 02. Dr. Moin Us Salam**, Freelance Consultant (CIMMYT and FAO), Tel/Cell: +8801855817938, Email: moinsalam1@gmail.com
- 03. Dr. Md. Abdul Latif**, CSO and Head, Plant Pathology Division, Bangladesh Rice Research Institute, Gazipur-1701. Tel/Cell: +8801715034094, Email: alatif1965@yahoo.com

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Plant Pathology Division
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