

NAHID AKTER

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RESEARCH INTEREST

Highly interested in exploring molecular basis of endophytes and their mechanism as well as their interaction with plants.

- Molecular phytopathology.
- Bioinformatics
- Transcriptomic
- Host Pathogen Interaction
- Plant defense mechanism against pathogen

PROFESSIONAL PROFILE

Assistant Professor 27 December, 2020 – Present
Lecturer 27 December, 2018 – 26 December, 2020
Sher-e- Bangla Agricultural University, Dhaka-1207, Bangladesh

EDUCATIONAL QUALIFICATION

Master of Science (MS) in Plant Pathology Duration: Jan, 2017- July, 2019	Thesis: “Integrated Management of Wilt Complex Disease of Eggplant” Department of Plant Pathology, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh Result: CGPA 3.99 (In a scale of 4.00)
Bachelor of Science (BSc) in Agriculture Duration: Jan, 2011 – Dec, 2015	Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh Result: CGPA 3.98 (in scale of 4.00) Merit position: 1st among 272 students
Higher School Certificate (HSC) Duration: 2008 – 2010	Science Group, Jessore Board, Bangladesh Result: GPA 5.00 (In a scale of 5.00)
Secondary School Certificate (SSC) Duration: 2006 – 2008	Science Group, Jessore Board, Bangladesh Result: GPA 5.00 (In a scale of 5.00)

AWARDS AND FELLOWSHIP

- **Deans Award** for academic excellence in all semesters during undergraduate studies.
- **Distinction Award (1st position)**
- Awarded National Science and Technology (NST) **Fellowship** from Ministry of Science and Technology, Government of the People's Republic of Bangladesh.

TEACHING EXPERIENCE

Lecturer, Department of Plant Pathology, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh for more than 2.6 years. Delivering lectures, demonstrating lab works and evaluation and making exam sheets in different courses at Bachelor of Science in the Department Plant Pathology of Agriculture faculty of Sher-e-Bangla Agricultural University.

Conducting Course on

- ✓ Laboratory Techniques in Plant Pathology and Microbiology
- ✓ Diagnosis and Management of Field Crop Diseases and Seed Health Test
- ✓ Diagnosis and Management of Horticultural and Cash Crops Disease

RESEARCH EXPERIENCE

- Responsible as a Co- Investigator in a Project titled "**Eco-friendly management of foot and root rot disease of betel vine caused by *Sclerotium rolfsii* through integrated approach**" funded by Ministry of Science and Technology, Government of the People's Republic of Bangladesh.
- Conducting Research on Integrated management of wilt complex disease of eggplant and recently involved in molecular diagnosis of *Fusarium* sp, *Trichoderma* sp. and *Pestalotia* sp. across the country for their diversity analysis.

PUBLICATIONS

Neela, N., **N. Akter**, M. N. Islam and M. R. Islam. (2021) Standardization of hot water treatment to control the seed borne diseases of vegetables. *Wiley: Journal of the science of food and Agriculture* (Submitted)

Akter, N, M. R Islam, M. B Hossain, M. N. Islam, S. R. Chowdhury, S. Hoque and. R.H. Nitol (2021) Management of wilt complex disease of eggplant (*solanum melongena* L) caused by *Fusarium oxysporum*, *Ralstonia solanacearum* and *Meloidogyne* spp. *American Journal of Plant Science*. (Accepted June, 2021)

Islam M. N., **N. Akter**, M. M. Karim, M. Arifunnahar and F. E. Elahi (2021) Management of panama (banana wilt) disease of banana. *Bangladesh Journal of Plant Pathology* (Accepted June, 2021)

Chowdhury, S.R, S. Hoque and **N. Akter**. (2020) Optimization of regeneration and *Agrobacterium tumefaciens*-mediated transient transformation systems for Australian native extremophile, *Tripogon loliiformis*. *Journal of King Saud University - Science* 32,(8): 3476-3485. <https://doi.org/10.1016/j.jksus.2020.10.010>

Islam M. N., **N. Akter**, M. M. Karim, M. A Rahman and F. Khatun. (2019) Efficacy of different new Fungicides in controlling Sigatoka disease of Banana, *Bangladesh Journal of Plant Pathology* 34 (1&2): 59-62

Islam M. N., **N. Akter**, M. M. Karim, M.S. Akhter and M.M. E. Rahman. (2017) Panama and Sigatoka diseases of banana in selected locations of Bangladesh. *Bangladesh J. Plant Pathol.* 33 (1&2): 5-10

SKILLS & EXPERTISE

- Isolation and identification of fungus, bacteria and virus both morphological and molecular.
- Management practice in lab, pot and field condition
- Seed health testing
- Crop disease survey
- Project management
- Trained on molecular identification with course of Biotechnology in plant resistance and bioinformatics

LANGUAGE SKILL

Fluent in English and Bengali both in oral & written (As Medium of instruction is English)

IELTS score: 6.5 (L-6, R-6.5, W-6, S-6.5)

COMPUTER SKILL

Microsoft office package, MSTATC, SPSS, Statistix10, R Software

TRAINING RECEIVED

Place	Course/ Title	Period
Mushroom Development Institute, Ministry of Agriculture, Bangladesh	Mushroom Cultivation	1 day
Bangladesh Rice Research Institute, Joydebpur, Gazipur, Bangladesh	Basic Molecular Biology and Disease Resistance	6 days
Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	Responsibilities of Teacher, Outcome Based Education and Different Rules and Regulations	2 days
Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	Scientific Paper writing and publication	1 day
Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	Training on R software	2 day

WORKSHOP AND CONFERENCE

Venue	Date	Theme
Bangladesh Agricultural Science, Dhaka, Bangladesh	December 13-15, 2019	4 th young scientist congress Achieving Sustainable Development Goals

PROFESSIONAL MEMBERSHIP

Life Member, Bangladesh Phytopathological Society (BPS)

General Member, Krishibid Institution (Institution of Agriculturists), Bangladesh

REFEREE

Dr. Md. Rafiqul Islam
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Dr. Md. Tohidul Islam
Research Fellow (Present), Deakin University, Australia
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