Curriculum Vitae

Sanzida Hoque

Assistant Professor
Department of Plant Pathology,
Faculty of Agriculture,
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Research Interest

Plant Diseases Management, Biological Control of Plant Diseases, Molecular Biology, Host Pathogen Interactions, Integrated Disease Management.

Education

Master of Science in Plant Pathology: 2.5 years (Full time)
Passing Year: January-June, 2013 (Exam. held in 2014).
University: Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
Thesis title: Bio-efficacy of Microbial Antagonists against Foot and Root Rot Pathogen(s) of Lentil.
Result (CGPA): 3.87 (on a scale of 4.0)

Bachelor of Science in Agriculture (Honours):
Duration: 4 years. January, 2006 to December, 2009 (Exam. held in 2010).
University: Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
Result (CGPA): 3.80 (on a scale of 4.0)

Language Proficiency

IELTS overall score 7, CEFR Level- C1,
(Listening- 7.5, Reading- 7.0, Writing- 7.0, Speaking- 6.5)
Examination date- 07 July, 2022

Work Experience

Assistant Professor	27 December, 2020- Current Department of Plant Pathology, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
Lecturer	27 December, 2018-26 December, 2020 Department of Plant Pathology, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

Research Experience

Co-Principal Investigator (Co-PI), 'Integrated strategies for disease management through innovative land arrangement in combination of rice grown with okra under Raised and Sunken Bed (RSB) systems' funded by Ministry of Science and Information & Communication Technology, Government of the People's Republic of Bangladesh (Fiscal Year, 2022-2023).

Co- Principal Investigator (Co-PI), Molecular Characterization of Novel Pathogen responsible for Stem Basal Rot (SBR) Disease in Coconut and Development of Prophylactic & Curative Management Package against the New Disease' funded by Bangladesh Bureau of Educational Information and Statistics (Fiscal Years, 2020-2023).

Co- Principal Investigator (Co-PI), 'Adoption of the System Rice Intensification (SRI) as an Agro-ecological Strategy through Regional Trial to the Hazards of Climate Change for Reducing Disease Vulnerability' funded by Ministry of Science and Information & Communication Technology, Government of the People's Republic of Bangladesh (Fiscal Year 2021-2022).

Co- Principal Investigator (Co-PI), 'Management of Sheath Blight of Rice through Seed Bio Priming' funded by Ministry of Science and Information & Communication Technology, Government of the People's Republic of Bangladesh (Fiscal Year 2019-2020).

Skills and Competencies

- Disease diagnosis and microscopy
- Isolation, identification and screening of microorganisms
- PCR, DNA extraction
- Biochemical tests, seed health tests and data analysis.

Research Publications

1. Tanjila Hasan , Aysha Akter , Raihan Ferdous , **Sanzida Hoque** , Md. Belal Hossain (2022). Influence of Culture Media on Mycelial Growth and Sporulation of *Pyricularia Oryzae* and Usefulness of Potassium Silicate against the Rice Blast Pathogen. *American Journal of Sciences and Engineering Research*, 5(2), 40-48.

2. Akter, N., Islam, M.R., Hossain, M.B., Islam, M.N., Chowdhury, S.R., **Hoque, S.**, Nitol, R.H. and Tasnin, R. (2021). Management of Wilt Complex of Eggplant (*Solanum melongena* L.) caused by *Fusarium oxysporum*, *Ralstonia solanacearum* and *Meloidogyne* spp. *American Journal of Plant Sciences,* 12: 1155-1171.

3. Md. Belal Hossain, SM Moury, HA Chowdhury Nisha, **S Hoque**, YA Ara and S Akter (2021). Evaluation of Compatible Bio-agents and Selected Botanical Extracts against the Pathogen of Rhizome Rot DiseaseResponsible for Ginger Decline. Journal of Pharmacognosy and Phytochemistry, 10(4): 13-23.

4. S. R. Chowdhury, **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.

5. **Hoque, S.**, Sultana, N., Faruk, A. N., Bhuiyan, M. Z. R. and Islam, N. (2015). *In vitro* evaluation of selected bio-control agents against foot and root rot pathogens of lentil. *Scholarly J. Agric. Sci.*5(1): 8-15.

6. Md. Nazrul Islam, Md. Mushfiqur Rahman, Khondoker Mohammad Alam, Nazmun Naher, **Sanzida Hoque** and Md. Mahfuz Alam (2015). Bacterial leaf blight of guava saplings at Dhaka, Gazipur, Barisal and Khagrachori districts of Bangladesh. *International Journal of Applied Research. 1(2) 103-112.*

7. A.N. Faruq, M. A. Rahman, F. M. Aminuzzaman, Md. Mamun-ur-Rashid and **Sanzida Hoque** (2014). *In Vitro* Evaluation of Plant Extracts against seed borne bacteria and fungi of Hybrid Rice. *App. Sci. Report.* 4 (2), 2014: 61-68.

8. A.N. Faruq, M. T. Islam, M. Z. R. Bhuiyan, Md. Mamun-ur-Rashid, M. R. Amin and **Sanzida Hoque (**2014). Efficacy of soil application with *Trichoderma harzianum* T22 and some selected soil amendments on Fusarium wilt of eggplant (*Solanum melongena* L.). *App. Sci. Report.* 4 (2), 2014: 69-74.

9. A.N. Faruq, M. M. Alam, M. S. M. Chowdhury, M. O. Khaiyam, M. A. Rahman and **Sanzida Hoque** (2014). Pathogen Risk Analysis of Maize in Bangladesh. *App. Sci. Report.* 4 (2), 2014: 75

10. Shammy Akter, Hosna Ara Chowdhury Nisha, Raihan Ferdous, Rifat Ara Sultana, **Sanzida Hoque**, And Md. Belal Hossain (2023). Blast Disease Behavior In Some Boro Rice Varieties Of Bangladesh And Development Of Induced Resistance System Against Blast Disease Through Selected Novel Chemicals. European Journal of Agriculture and Food Sciences (**Accepted on 25 May, 2023**).

Awards

'National Science and Technology (NST) Fellowship' funded by Ministry of Science and Information & Communication Technology, Bangladesh.

'Dean's Award' for outstanding academic achievement in persuasion of Bachelor of Science in Agriculture (Honours) Degree Programme.

Conferences/Workshops/Trainings

10 June, 2023	10th Biennial Conference, Bangladesh Phytopathological Society. Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
25-27 November, 2022	5th Young Scientist Congress, Bangladesh Academy of Science.
13-15 December, 2019	4th Young Scientist Congress, Bangladesh Academy of Science.

23 July, 2019	Scientific Paper Writing and Publication. Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
12 March- 07 April, 2019	Foundation Training for University Teachers. Bangladesh Agricultural University, Mymensingh, Bangladesh.
12-13 January, 2019	Responsibilities of Teachers, Outcome Based Education and Different Rules and Regulations. Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
01-03 October, 2011	Mushroom Cultivation. National Mushroom Development & Extension Centre, Dhaka, Bangladesh.

Membership in Organization

'Life member', Bangladesh Phytopathological Society (BPS).

'Life Member', Sher-e-Bangla Agricultural University Teachers Association (SAUTA).

'General Member', Sher-e-Bangla Agricultural University Alumni Association (SAUAA).

'Member', Agriculturist Institution, Bangladesh.

References:

Prof. Dr. Nazneen Sultana
(Supervisor of MS program)
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