

## Curriculum Vitae

### Professor Nazneen Sultana PhD

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#### Present Position

Professor  
Department of Plant Pathology  
Sher-e-Bangla Agricultural University  
Dhaka-1207, Bangladesh.  
E-mail: nazneen@sau.edu.bd, nazneensau@yahoo.com  
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#### Research Interest

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Mycology, phyto-bacteriology, seed pathology, bio-control, postharvest pathology, integrated disease management.

#### Education

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PhD in Microbiology 2011 to 2015  
University of Dhaka  
Dissertation: Characterization of indigenous biocontrol agents against wilt complex pathogens of tomato

MS in Plant Pathology 2001 to 2003  
Bangladesh Agricultural University  
Thesis: Effect of Bion, Amistar and Vitavax on Some Fungal Diseases of Peanut

B. Sc. Ag (Hons.) 1989 to 1992  
Bangladesh Agricultural University

#### Research experience (20-years):

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MS research, Sher-e-Bangla Agricultural University, Bangladesh 2005 to present  
PhD in Microbiology 2011 to 2015

#### Professional Experiences

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Professor, Dept. of Plant Pathology 2012 to present  
Chairman, Dept. of Plant Pathology, SAU, Dhaka 2011 to 2013  
Associate Professor, Dept. of Plant Pathology, SAU, Dhaka 2007 to 2012  
Assistant Professor, Dept. of Plant Pathology, SAU, Dhaka 2002 to 2007  
Lecturer, Dept. of Plant Pathology, SAU, Dhaka 1997 to 2002

#### Publications:

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1. Rahman, M. A., Chowdhury, M. S. M., Islam, M. R., **Sultana, N.** and Akther, N. (2023). *In-vitro* assessment of botanical extracts against *Botrytis gladiolorum* causing gladiolus leaf blight. *American Journal of Plant Sciences*, **14**:1146-1161.
2. Bristy, U. R., Ahmmed, A. N. F., **Sultana, N.** and Huda, N. (2022). Survey on the socio-economic status of Gerberra growers in Bangladesh. *Asian Journal of Agriculture and Allied Sciences*, **5**(1): 12-19.

3. S. Razia, M. S. M. Chowdhury, F. M. Aminuzzaman, **N. Sultana** and M. Islam. (2021). Morphological, Pathological, Biochemical and Molecular Characterization of *Ralstonia solanacearum* Isolates in Bangladesh. *American Journal of Molecular Biology*, **11**: 142-164.
4. Mubasshira, M., Aminuzzaman, F.M., **Sultana, N** and Tanni, J.F. (2020). Impact of different substrates and mother cultures on yield and yield attributes of Oyster mushroom(*Pleurotus ostreatus*). *Asian Food Science Journal*, 25-33.
5. Nayem, S. A., Chowdhury, M. S.M., **Sultana, N.**, Masum, G. Z. H., Rahman, M. S. and Jamal, M. A. H. M. (2020). Combined effect of salt stress and *Xanthomonas axonopodis* pv *citri* on citrus (*Citrus auruntifolia*). *Heliyon*, **6**(e03403):3-7.
6. Sarker, S., **Sultana, N.** and Aminuzzaman, F. M. (2019). Field Evaluation of Some selected Chemicals in Bacterial Blight in Cotton. *Asian Journal of Biology*, **8**(2): 1-10.
7. Akter, S and **Sultana, N.** (2018). *In-vitro* management of *Erwinia carotovora* the causal organism of potato soft rot disease. *Int. J. Environ. Agric. Res.* **4**(10): 30-34.
8. Monowara, R., Tonu, N. N., Begum, F., Karim, M. M. and **Sultana. N.** (2017). Morphological and physiological variation among different isolates of *Alternaria* spp. From Rapeseed-Mustard. *International Journal of Environment, Agriculture and Biotechnology*, **2**(5): 2433-2442.
9. Sarker, S., **Sultana, N.** and Aminuzzaman, F. M. (2017). Biochemical characterization of *Xanthomonas axonopodis* pv. *malvacearum* isolated from selected cotton plant and it's *in-vitro* sensitivity against some selected chemicals. *Advances in Research*, **11**(4): 1-10.
10. Nahar, E., **Sultana, N.**, **Islam M. R.** and Bhuiyan M. Z. R.. (2016). Efficacy of some probiotic rhizosphere bacteria against seed borne fungi of BRRI Dhan 46. *World. J. Agric Sci.* **12**(1): 49-56.
11. **Sultana, N.** (2015). Characterization of indigenous biocontrol agents against wilt complex pathogens of tomato. PhD thesis, Dept. of Microbiology, University of Dhaka.
12. Haque, 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): 8-5.
13. Rashid, M., Chowdhury, M. S. M. and **Sultana, N.** (2014). Prevalence of canker on seedling of citrus (*Citrus* spp.) in selected areas of Bangladesh and its management. *J. Pl. Pathol. Photon.***114**: 177-187.
14. Chowdhury, M. S. M. **Sultana, N.**, Mostofa, G. Kundu B. and Rashid, M. (2014). Postharvest diseases of selected fruits in the wholesale market of Dhaka. *Bangladesh Phytopathological Society*, **30**(1 &2): 13-16.
15. Rashid, M., Islam, M. S. M. and **Sultana, N.** (2013). In-vitro screening of some chemicals and biocontrol agents against *Erwinia carotovora* subsp. *carotovora*, the causal agent of soft rot of potato. *The Agriculturists.* **11**(2): 1-9.
16. Sarker, A. M., **Sultana, N.**, Islam, M. R., Rashid, M. and. Bhuiyan, M. Z. R. (2013). Efficacy of Some Rhizosphere Microorganisms in Controlling Fusarium Wilt of Tomato (***Lycopersicon esculentum***).*The Agriculturists.* **11**(2):96-103.
17. Bhuiyan, M. Z. R., Islam, M. R. and **Sultana, N.** (2013). Integrated approach for management of rhizome rot of ginger. *J. Experiment. Biosci.***4**(1): 83-88.
18. Akther, K., Begum, F., **Sultana, N.** and. Hossain, M. A. (2012). Screening of some selected varieties of mustard against *Alternaria brassicae* causing blight disease under natural epiphytotic condition. *J. Expt. Biosci.* **3**(2):7-12.
19. **N. Sultana**, I. Hossain and K. Akhter. (2012). Comparative Effect of Seed Treatment with Bion, Amistar and Vitavax-200 in Controlling Tikka Disease of Peanut var.Jhingra Badam. *J. Expt. Biosci.* **3**(1):37-44.

20. Momotaz, R., Baten, M. A., Latif, M.A., **Sultana** , N. and Mia, M.A. T. 2008. Survey of bakane incidence in seed bed and screening of rice varieties against the disease. *Bangladesh J. Pl. Pathol.* **24**(1&2):38-40.
21. Zamal, M. S., Aminuzzaman, F. M., **Sultana**, N. and. Islam, M. A.(2007). Efficacy of fungicides in controlling leaf blight of wheat caused by *Bipolaris sorokiniana*. *Int. J. Sustain. Agril. Tech.* **3**(2): 01-06.
22. Khatun, M.P., **Sultana**, N., Islam, M. R. and Akhter, K. (2006). Efficacy of some fungicides in controlling foot and root rot of lentil. *Bangladesh J. Seed Sci. & Tech.* **10**(1&2): 51-55.
23. Uddin, M. F., Islam, S. M. A., **Sultana**, N. and Shiragi, M. H. K.( 2004). Effect of variety and plant growth regulators in MS medium on callus proliferation from Virus infected tomato plant. *Biotechnology.* **3**(2): 181-186.
24. **Sultana**, N. and Hossain I. (2004). Effect of Bion, Amistar and Vitavax on the prevalence of seed borne fungi and germination of peanut seed. *J. Bangladesh. Soc. Agril. Sci. Tech.* **1** (1&2): 69-73.
25. **Sultana**, N. and Hossain I.(2003). Effect of seed treatment with Bion, Amistar and Vitavax 200 on tikka disease of peanut var. Dhaka-1. *Bangladesh J. Seed. Sci. & Tech.* **7**(1&2): 1-8.
26. Kabir, M. H., Islam, S. M. A., Chowdhury, M.S. M., **Sultana**, N. and Hossein, M. E. (2003). Effect of different seed treatments on seed quality of rice. *Bangladesh J. Environ. Sci.* **9**: 45-51.
27. Hossein, M. E., **Sultana**, N., Kabir, M.H., Islam, S. M. A. and Fakir, M.G.A. (2003). Effect of seed treatments on the disease incidence of rice seedling. *J. Agric. Sci. Tech.* **4**(1&2): 13-18.
28. Kuiu, A., Islam, S.M. A., **Sultana**, N., Alam, K. M. B. and Chowdhury, M. J.(2003). Effect of indole acetic acid and zinc on biochemical properties of rice (BINADHAN-6). *J. Agric. Sci. Tech.* **4**(1&2): 29-33.
29. Mahmud, M. A., Mahmud, M. T., Pervez, Z., Hassan, A. M. M. and **Sultana**, N. (2001). Women's participation in agricultural income generating activities under rural development programme of BRAC. *J. Agric.Sci. Tech.* **2**(1):37-42.
30. Mahmud, M. A., Mahmud, M. T., Shadatulla, M. **Sultana**, N. and Miah, S. (2001). Prospect, consumption and marketing potentialities of local mushroom at Chinese restaurants in Dhaka city. *J. Agric.Sci. Tech.* **2**(2): 36-41.

### Teaching Experiences:

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Undergraduate courses

#### Theory courses

**PLPA 205**-Introduction to Plant Pathology and Microbiology

**PLPA 353**-Principles of Plant Pathology and Seed Pathology

#### Practical Courses

**PLPA 206**-Laboratory Techniques in Plant Pathology

**PLPA 354**-Field and Laboratory Studies of Plant Diseases

**PLPA 458**-Diseases of Horticultural Crops and Seed Pathology

#### MS and PhD Courses

**PLPA 501**-Mycology

**PLPA 509**- Advanced Phytobacteriology

**PLPA 505**-Clinical Plant Pathology

**PLPA 513**-Post Harvest Pathology

**PLPA 601-** Advanced Mycology  
**PLPA 605-**Advanced Clinical Plant Pathology  
**PLPA 616-**Advanced Seed Pathology

**Other departments:**

**STEC 503 - Seed Pathology (MS in Seed Technology)**

**MSFS 502 - Food Microbiology (MS in Food Safety)**

**Workshop and Training**

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Integrated Pest Management and Food Safety-Netherlands 2014

**Grantsmanship**

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(Research project accepted and accomplished)

Morphogenetic diversity analyses of bacterial causes diseases in vegetables 2024-2025

Prevalence and transmission of seed borne pathogens of hybrid maize 2019-2020

Eco-friendly management of wilt complex pathogens of tomato 2009-2010

Management of sheath blight of rice through seed bio-priming 2014-2015

**Supervision and mentorship**

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Supervised seventy-one (71) MS students and currently supervising four (4) MS students and three (3) PhD students.

**Professional Membership**

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Krishibid Institution of Bangladesh-KIB	2001 to present
Sher-e-Bangla Agricultural University Alumni Association, Bangladesh	2001 to present
Sher-e Bangla Agricultural University Teachers Association (SAUTA)	2001 to present
Bangladesh Phytopathological Society	2005 to present
Bangladesh Society of Microbiologists	2015 to present
Netherlands Alumni Association of Bangladesh	2018 to present

**References**

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**1. Dr. Md. Rafiqul Islam**

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**2. Dr. Md. Razzab Ali**

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