

Dr. Md. Touhidul Islam -----



Associate Professor (Agriculture)

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Area of Specialization and Research Interest

Whitefly, Entomopathogenic fungus, Biological control, IPM

Education Qualification

- **PhD** (3 Years) from South China Agricultural University, Guangzhou, PR china (September 2006 to August 2009), 2009.
- **Master of Science in Crop Botany** (1 and half years), Bangladesh Agricultural University, Mymensingh, 2002.
- **Bachelor of Science in Agriculture** (4 Years), Bangladesh Agricultural University, Mymensingh, 1992.
- **Higher Secondary Certificate (HSC)** Examination, Dhaka Board, 1987.
- **Secondary School Certificate (SSC)** Examination, Dhaka Board, 1985.

Professional Experience

- May 2018 to date: **Associate Professor**, Agriculture Discipline, SARD, BOU, Gazipur.
- December 2012 to May 2018: **Assistant Professor**, Agriculture Discipline, SARD, BOU, Gazipur.
- September 2004 ~ March 2006: **Senior Scholar (Plant Protection)**, College of Natural Resources and Management, South China Agricultural University, Guangzhou, PR China.

List of Publications

1. **Islam MT**, MA Haque, NU Mahmud, DR Gupta, T Islam. 2022. In vitro compatibility of entomopathogenic fungus, *Cladosporium cladosporioides* with three plant extracts. *Plant Protection Science*, 58: 213-219.
2. **Islam MT**, 2021. Influence of seed source on plant growth, yield and yield gap of rice (*Oryza sativa* L.). *Tropical Biodiversity*. 2: 82-86.
3. **Islam MT**, 2021. Behavioral response of *Bemisia tabaci* (Hemiptera: Aleyrodidae) towards *Metarhizium anisopliae* volatiles. *Acta Scientifica Malaysia (ASM)*. 5: 62-66.
4. **Islam MT**, 2020. Enhancement of rice and wheat seed germination and seedling vigor by biocontrol agent, *Cladosporium cladosporioides*. *Res. Agric. Livest. Fish*, 7: 09-15.
5. **Islam T**, Gupta DR, Surovy MZ, Mahmud NU, Mazlan N and Islam T, 2019. Identification and application of a fungal biocontrol agent *Cladosporium cladosporioides* against *Bemisia tabaci*. *Biotechnology & Biotechnological Equipment (Taylor & Francis, Romania, Impact Factor- 1.15)*, 33: 1698-1705.
6. **Islam MT** and Haque MA, 2018. Evaluation of pre-harvest interval for pesticides on different vegetables in Bangladesh. *J. Bangladesh Agril. Univ.* 16(3): 444-447.
7. Hossain MF, **Islam MT**, Islam MA and S Akhtar, 2017. Cultivation and uses of stevia (*Stevia rebaudiana* Bertoni) a review. *Afr. J. Food Agric. Nutr. Dev.* 17(4):12745-12757.
8. **Islam, MT**, D Omar, AKMA Shah, MF Hasan (2016) Virulence of entomopathogenic fungus, *Metarhizium*

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- anisopliae* to sweetpotato whitefly, *Bemisia tabaci* (Hemiptera: Aleyrodidae) under osmotic stress. Proc. Natl. Acad. Sci., India, Sect. B: Biol. Sci. (Springer), (IF **0.396**), 26:617-622.
9. **Islam, MT**, D Omar, M Shabanimofrad (2014) Molecular identification and virulence of six isolates of *Metarhizium anisopliae* (Deuteromycotina: Hyphomycetes) to *Bemisia tabaci* (Hemiptera, Aleyrodidae) Q biotype. Journal of Asia-Pacific Entomology (Elsevier, Impact Factor- **1.046**). 17: 237-241. **South Korea**.
 10. **Islam, MT** and Omar, D (2012) Combined effect of *Beauveria bassiana* with neem on virulence of insect in case of two application approaches. Journal of Animal and Plant Science (Impact Factor- **0.448**). 22: 77-82.
 11. **Islam, MT**, Ren, SX, and Omar, D (2011) The integrated use of entomopathogenic fungus, *Beauveria bassiana* with botanical insecticide, neem against *Bemisia tabaci* on eggplant. African Journal of Microbiological Research (ISI-cited Journal). 5: 3909- 3913.
 12. **Islam, MT**, Castle, SJ and Shunxiang, R (2010) Compatibility of the insect pathogenic fungus, *Beauveria bassiana* with neem against sweetpotato whitefly, *Bemisia tabaci*, on eggplant. Entomologia Experimentalis et Applicata (Blackwell; Impact Factor- **1.442**). 134: 28-34. The **Netherlands**.
 13. **Islam, MT**, Qiu, BL and Shunxiang, R (2010) Host preference and influence of the sweetpotato whitefly, *Bemisia tabaci* (Homoptera: Aleyrodidae) on eggplant (*Solanum melongena* L.). Acta Agriculturae Scandinavica, Section B- Plant Soil Science (Taylor & Francis; Impact Factor- **0.646**). 60: 320-325. **Sweden**.
 14. **Islam, MT**, Olleka, A and Shunxiang, R (2010) Influence of neem on susceptibility of *Beauveria bassiana* and investigation of their combined efficacy against sweetpotato whitefly, *Bemisia tabaci* on eggplant. Pesticide Biochemistry and Physiology (Elsevier; Impact Factor- **2.59**). 98: 45-49. **USA**.
 15. **Islam, MT** and Shunxiang, R (2009) Effect of sweetpotato whitefly, *Bemisia tabaci* (Homoptera: Aleyrodidae) infestation on eggplant (*Solanum melongena* L.) leaf. Journal of Pest Science (Springer; Impact Factor- **3.728**). 82: 211-215. **Germany**.
 16. **Islam, MT** Shunxiang, R. 2007. Development and reproduction of *Bemisia tabaci* on three eggplant varieties. Journal of Entomology. 4: 231-236.
 17. **Islam, MT**, AKMA Proadhan and Sarwer AKMG. 2007. Root anatomy of country bean. International Journal of Agricultural Research. 2: 508-517.
 18. **Islam, MT**, AKMA Proadhan, SMA Bari and Sarwer AKMG. 2005. Anatomy of the hypocotyl of country bean. Asian Journal of Plant Science. 4: 323-333.
 19. **Islam, MT**, Proadhan AKMA, Bari SMA and Islam MO. 2003. Islam. Stem anatomy of country bean, Pakistan Journal of Biological Science. 6: 1741-1750.
 20. Hossain, MF, **Islam, MT**, Islam, MA and Akhtar, S. 2017. Cultivation and uses of stevia (*Stevia rebaudiana* Bertoni): a review. African Journal of Food, Agriculture, Nutrition and Development. 4: 12745-12757.
 21. Hsia, ICC, **Islam, MT** and Omar, D. 2014. Evaluation of conidial viability of entomopathogenic fungi as influenced by temperature and additive. International Journal of Agriculture and Biology (ISI-cited Journal). 16: 146-152.
 22. Akter, S, Latif, MA, Mia, AT, Ansari, TH, **Islam, MT** and Rafii, MY 2013. Efficacy of fungicides against grain pot disease in rice (*Oryza sativa*). Life Science Journal (ISI-cited Journal). 10: 3005-3008.
 23. Sidi, MB, **Islam, MT**, Ibrahim, Y and Omar, D. 2013. Effect of azadirachtin and rotenone on *Trichogramma papilionis* (Hymenoptera: Trichogrammatidae). Journal of Food, Agriculture & Environment (ISI-cited Journal). 11: 1509-1513.
 24. Ahmad, SNB, **Islam, MT**, Abdullah, DK and Omar, D. 2013. Study of tannery phase diagram study of rotenone *Derries elliptica* (Fabales: Fabiaceae), a novel approach of insecticide formulation. Asian Journal of Chemistry (Impact Factor- **0.353**). 25: 4718-4722.
 25. Parvin, S, Zeng, XN and **Islam, MT** (2012) Bioactivity of Indonesian mahogany, *Toona sureni* (Blume) (Meliaceae), against the red flour beetle, *Tribolium castaneum* (Coleoptera, Tenebrionidae). Revista Brasileira De Entomologia (Elsevier; Impact Factor- **0.711**). 56: 354-358. **Brazil**.
 26. Ahmad, SNB, **Islam, MT**, Abdullah, DK and Omar, D (2012) Evaluation of physicochemical characteristics of microemulsion formulation of rotenone and its insecticidal efficacy against *Plutella xylostella* L. (Lepidoptera: Plutellidae). Journal of Food Agriculture & Environment (ISI-cited Journal). 10: 384-388. **Finland**.
 27. Sidi MB, **Islam, MT**, Ibrahim Y and Omar, D. 2012. Effect of insecticide residue and spray volume application of azadirachtin and rotenone on *Trichogramma papilionis* (Hymenoptera: Trichogrammatidae). International Journal of Agriculture and Biology (ISI-cited Journal). 14: 805-810.

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28. Morshed, MM., Omar, D., Mohamad, R., Wahed, SA., **Islam, MT**. 2011. Sampling and analysis of chlorpyrifos airborne residue emitted under treated field conditions. *Journal of Environmental Protection and Ecology*. 12: 447- 456.
29. Latif MA, Rahman, MM, Kabir, MS, Ali, MA, **Islam, MT** and Rafii, MY. 2011. Genetic diversity analyzed by quantitative traits among rice (*Oryza sativa* L.) genotypes resistant to blast disease. *African Journal of Microbiological Research (ISI-cited Journal)*. 5: 4383- 4391.

Research Project

- Dr. Md. Touhidul Islam & Dr. Md. Anowarul Haque. 2013-2014. Studies on chemical usage in selected vegetables and fruits during storing, transporting and marketing in northern part of Bangladesh. Completed.
- Dr. Md. Touhidul Islam. 2013-2014. Comparison of the quality of rice seed from different sources in Bangladesh. Completed.
- Dr. Md. Touhidul Islam. 2013-2014. Effect of seed-born fungi on seed quality of rice. Submitted.

Major Academic and/or Administrative Responsibilities/Duties

- **Member of Academic Council**, Bangladesh Open University from 27/12/2020 to date.
- **Member of School Committee**, SARD, BOU from SARD, BOU from 09/05/2013 to 08/05/2015 (1st), 08/10/2020 to date (2nd).
- **Convener, Group of Agroforestry**, Book update sub-committee, SARD, BOU 2015.
- **Member, Regulation Preparation Committee** for the Masters Program of Sustainable Agriculture and Rural Livelihood, SARD, BOU 2016.
- **Coordinator** for the establishment of laboratory in SARD, BOU 28/01/2016 to 28/02/2017.
- **Member**, Self Review Team of COL-RIM (The Commonwealth Learning of Review Improvement) project in BOU part, 2014 to 2015
- **Program Coordinator**, Bachelor of Agricultural Education Program (**BAGEd**), SARD, BOU 25/01/2013 to 14/02/2015

Recognition and Merit Awards

- **UGC Postdoctoral Fellowship** (2017) from University Grant Commission of Bangladesh.
- **UPM Postdoctoral Fellowship** (2011) from Universiti Putra Malaysia (UPM) for Postdoctoral Research.
- Received prize money and certificate for best foreign student in the year of 2008-09 out of 53 foreign students at South China Agricultural University, Guangzhou, China.
- **VLIR-UOS Fellowship** from Gent University, Belgium to do training.
- Received prize money and certificate for best foreign student in the year of 2006-07 out of 47 foreign students from South China Agricultural University, Guangzhou, China.
- **Chinese Government Scholarship** (2006) for PhD study from China Scholarship Council (CSC).
- **UNESCO/Peoples Republic of China Great Wall Co-Sponsored Fellowship** (2004) from South China Agricultural University, Guangzhou, China for research.

Memberships in Professional & learned bodies

- Member of Krishibid Institution Bangladesh (KIB), Bangladesh.
- General Secretary, Bangladesh Open University Teachers' Association (BOUTA): 2014
- Executive Committee Member, Bangladesh Open University Teachers' Association (BOUTA): 2015 & 2020