

Dr. Md. Touhidul Islam -----



Associate Professor (Agriculture)

School of Agriculture and Rural Development (SARD)
Bangladesh Open University (BOU), Gazipur-1705, Bangladesh
PABX: +88-09666730730 Ext. 138 (Personal)
Phone: +88-02-9291110 (Dean Office)
Cell: +88 01786026240
Fax +88-02-9291110 (Dean Office)
E-mail: islamtuhin@yahoo.com

Area of Specialization and Research Interest

Biological Control, Whitefly, Entomopathogenic Fungus, IPM, Seed Science and Technology, Open & Distance Learning

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.
- March 2017 ~ February 2018: **Postdoctoral Researcher**, Biotechnology Discipline, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Salna, Gazipur-1706, Bangladesh
- March 2011 ~ December 2012: **Postdoctoral Researcher**, Plant Protection Discipline, Universiti Putra Malaysia, 434 UPM Serdang, Selangor, Malaysia.
- September 2006 ~ August 2009: **PhD Researcher**, College of Natural Resources and Management, South China Agricultural University, Guangzhou, PR China.
- September 2004 ~ March 2006: **Senior Scholar (Plant Protection)**, College of Natural Resources and Management, South China Agricultural University, Guangzhou, PR China.

List of Publication

1. **Islam, MT**, D Omar, AKMA Shah, MF Hasan (2016) Virulence of entomopathogenic fungus, *Metarhizium anisopliae* to sweetpotato whitefly, *Bemisia tabaci* (Hemiptera: Aleyrodidae) under osmotic stress. Proc. Natl. Acad. Sci., India, Sect. B: Biol. Sci. (Springer, Impact Factor- **0.396**), 26:617-622. **India**.
2. **Islam, MT**, D Omar, M Shabanmofrad (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**.
3. **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.
4. **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

5. **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**.
6. **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**.
7. **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**.
8. **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**.
9. **Islam, MT** Shunxiang, R. 2007. Development and reproduction of *Bemisia tabaci* on three eggplant varieties. *Journal of Entomology*. 4: 231-236.
10. **Islam, MT**, AKMA Prodhan and Sarwer AKMG. 2007. Root anatomy of country bean. *International Journal of Agricultural Research*. 2: 508-517.
11. **Islam, MT**, AKMA Prodhan, SMA Bari and Sarwer AKMG. 2005. Anatomy of the hypocotyl of country bean. *Asian Journal of Plant Science*. 4: 323-333.
12. **Islam, MT**, Prodhan AKMA, Bari SMA and Islam MO. 2003. Islam. Stem anatomy of country bean, *Pakistan Journal of Biological Science*. 6: 1741-1750.
13. 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.
14. 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.
15. 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. **China**.
16. 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. **Finland**.
17. 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. **India**.
18. 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**.
19. 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**.
20. 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.
21. 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 (Impact Factor- 0.774)*. 12: 447- 456. **Bulgaria**.
22. 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.

Major Academic and/or Administrative Responsibilities/Duties

- **Convener, Group of Agroforestry**, Book update sub-committee, SARD, BOU

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- **Member, Regulation Preparation Committee** for the Masters Program of Sustainable Agriculture and Rural Livelihood, SARD, BOU
 - **Coordinator** for the establishment of laboratory in SARD, BOU
 - **Member**, Self Review Team of COL-RIM (The Commonwealth Learning of Review Improvement) project in BOU part, 2014 to 2015
 - **Member of School Committee**, SARD, BOU from SARD, BOU from 09/05/2013 to 08/05/2015
 - **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.

(Dr. Md. Touhidul Islam)