



### Assistant Professor (Agriculture)

School of Agriculture and Rural Development (SARD)  
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### Area of Specialization and Research Interest

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Whitefly, Entomopathogenic fungus, Biological control, IPM

### Education Qualification

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- **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

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- December 2012 ~ to date: **Assistant Professor**, Agriculture Discipline, SARD, BOU, Gazipur.
- 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.

### Selected Publications (up to 10)

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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), (IF **0.390**), 26:617-622.
2. **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- **0.824**). 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 Research (ISI-cited Journal). 5: 3909- 3913.
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,

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- 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- **2.388**). 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- **3.103**). 82: 211-215. **Germany**.
  9. 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- **0.659**). 56: 354-358. **Brazil**.
  10. 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**.

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### Major Academic and/or Administrative Responsibilities/Duties

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

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### Recognition and Merit Awards

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- **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.