

CURRICULUM VITAE OF MD. EMAM HOSSAIN

B. Sc. Ag. (Hons.), MS (Entomology)

Assistant Professor, Dept. of Entomology, Faculty of Agriculture

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BIOGRAPHY

Md. Emam Hossain is currently working as an **Assistant Professor** in the Dept. of Entomology at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh since December 2020. He has an intense research interest in Integrated Pest Management (IPM), Biological control, Insect Ecology, Pollinator foraging behaviour, Host Plant Resistance, Pesticide Remediation, Pesticide and soil microbe's interactions, Pesticide residue analysis and Insect Biotechnology. He completed extensive training in biotechnology and acquired molecular biology understanding. He also served as a research assistant for senior lecturers on several projects during his graduation year.

ACADEMIC QUALIFICATIONS

- 1. Master of Science (MS) in Entomology (2020), CGPA: 3.97 out of 4.00, Position: 1st,** Department of Entomology, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
Thesis Title: Effectiveness of some botanicals in controlling major lepidopteran insect pests of summer cabbage
Major Course Studied: Insect Physiology, Insect Morphology, Insect Taxonomy, Biological Control and Insect Ecology.
- 2. Bachelor of Science in Agriculture (Hons.) (2016), CGPA: 3.97 out of 4.00, Position: 1st,** Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh. Achieved **Dean's Award** for outstanding academic performance.
Major Course Studied: Entomology, Biotechnology, Agronomy, Biochemistry, Horticulture, Soil science and Plant Pathology.
- 3. Higher Secondary Certificate (HSC) (2012), GPA: 5.00 out of 5.00,** Farakkabad Degree College, Chandpur, Bangladesh.
- 4. Secondary School Certificate (SSC) (2010), GPA: 5.00 out of 5.00,** Farakkabad High School, Chandpur, Bangladesh.

PROFESSIONAL EXPERIENCE

- **Assistant Professor (27 December 2020 to Present),** Department of Entomology, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
- **Lecturer (27 December, 2018 to 26 December 2020),** Department of Entomology, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

RESEARCH SKILLS AND EXPERIENCES

- Biology study of insect
- Biological control
- Morphometric identification of insect
- Laboratory trial for insect pest management
- Field experiment for invasive pest management
- Field application of Integrated pest Management (IPM) tools

PUBLISHED RESEARCH ARTICLES

1. Khan, M. S. I., Rahman, M. M., Hossain, M. S., **Emam Hossain , M.**, & Rimi, T. A. (2024). Efficacy of Insecticides Against Major Sucking Insect Pests of Okra and Their Effect on Natural Enemies. *Indian Journal of Entomology*, 1–4. <https://doi.org/10.55446/IJE.2024.1328>
2. Begum, M. S., Rahman, M. M., Hossain, M. S., Yasmin, S., Amin, R., Khan, M. S. I., & **Hossain, M. E.** (2023). Efficacy of Bio-Rational Insecticides in Controlling Thrips in Summer Country Bean. *Annual Research & Review in Biology*, 38(10), 49-57. <https://doi.org/10.9734/arrb/2023/v38i1030612>
3. Amin, R., Khan, M. S. I., **Hossain, M.E.** and Sultana, R. (2023). Study on Biology of Mango Mealybug and Their Chemical Control in Laboratory. *Int. J. Bus. Soc. Sci. Res.* 11(2): 27–31. <http://doi.org/10.55706/ijbssr11206>
4. Khan, M. S. I., **Hossain, M. E.**, Amin, R., & Akter, S. (2023). Efficacy of Some Integrated Pest Management (IPM) Techniques against Okra Shoot and Fruit Borer (*Earias vittella* Fab.). *Asian Journal of Research in Zoology*, 6(2), 26-32. <https://doi.org/10.9734/ajriz/2023/v6i2109>
5. Khan, M. S. I., **Hossain, M. E.**, and Farhana, F. (2023). Management of tomato fruit borer (*Helicoverpa armigera* Hubner) through bio and chemical pesticides. *Int. J. Bus. Soc. Sci. Res.* 11(1): 31–36. <http://doi.org/10.55706/ijbssr11107>
6. **Hossain, M. E.**, Rahman, M. M., Akter, S., Akhter, N. and Khan, M. S. I. (2020). Eco friendly management of major Lepidopteran insect pests of summer cabbage by six commonly used botanicals. *Journal of Bioscience and Agriculture Research*, 25(01), 2060-2068. <https://doi.org/10.18801/jbar.250120.252>
7. **Hossain, M. E.**, Rahman, M. M., Akter, S., Akhter, N., & Khan, M. S. I. (2020). Botanicals Affect the Incidence of Lepidopteran Insect Pests on Summer Cabbage. *Int. J. Bus. Soc. Sci. Res.* 8(3), 15-19. <http://www.ijbssr.com/currentissueview/14013363>
8. Talha, M. A., Rahman, M. M., Ali, M. R., Amin, R., **Hossain, M. E.** and Khan, M. S. I. (2024). Sustainable Pest Control: Managing *Spodoptera litura* (Fab.) in Tropical Sugar Beet. *Journal of Biopesticides*. (**Accepted for publication** for volume 17 issue 1)
9. Talha, M. A., Rahman, M. M., Hossain, M. S., Amin, R., **Hossain, M. E.** and Khan, M. S. I. (2024). Field Evaluation of Insecticides against *Spodoptera litura* (Fab.) in Tropical Sugar Beet. *Journal of Entomological Research*. (**Accepted for publication** in December 2024)
10. Khan, M. S. I., Rahman, M. M., Hossain, M. S., **Hossain, M. E.**, Amin, R., Akter, M. S., Akter, M. M. (2024). Dose Response of Chemical Insecticides in Mitigating Shoot and Fruit Borer (*Earias vittella* Fab.) Infestation in Okra. *Pakistan Journal of Agricultural Research*. (**Submitted and under review**)
11. Yousuf, M., Khan, M. S. I., **Hossain, M. E.** and Latif, M. A. (2024). Biophysical and biochemical characterization of some sugarcane varieties and their relationship with sugarcane stem borer (*Chilo tumidicostalis* Hampson) infestation. *Journal of Crop Health*. (**Submitted and under review**)

12. Talha, M. A., Rahman, M. M., Ali, M. R., Amin, R., **Hossain, M. E.**, Khan, M. S. I. and Hossain, M. E. (2024). Enhancing sugar beet production in Bangladesh utilizing safe IPM techniques against *Spodoptera litura* (Fab.). *Pakistan Journal of Agricultural Research*. (**Submitted**)

ACADEMIC AND OTHER ACHIEVEMENTS

- **Dean's Award** (2019) for outstanding academic excellence (Level 1, 2, 3 & 4) in persuasion of B.Sc. Ag. (Hons.) degree programme, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- **National Science and Technology (NST) Fellowship** (2014-15), To carry out Research for obtaining Master of Science (MS) in Entomology degree funded by Ministry of Science and Technology, Government of the People's Republic of Bangladesh.

TRAINING AND WORKSHOP RECEIVED

- Workshop on **"Keyword sequence Importance (KSI) Technique: A Potential Technique for Quality Research Articles"** 22 September 2022, Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training on **"Understanding Research Metrics and Finding Relevant Journals to Read and Publish"**, 26 June 2022, Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training on **"Journal Selection and Paper Submission"**, 27 June 2022, Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training on **"Research Methods and Thesis Writing"**, 28 December 2021, Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- **Advanced Training on Biotechnology**, 04-13 March, 2019, National Institute of Biotechnology (NIB), Savar, Dhaka-1349, Bangladesh.
- Training on **Pesticide Application Technology**, 18 April, 2019, Syngenta (Private Organization), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training on **Career Development in Teaching and Research**, 29 October 2019, Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Workshop on **Scientific Paper Writing and Publication**, 23, July 2019, Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training on **Teaching Learning, Assessment and Implementation of Outcome Based Curriculum**, 27-28, July 2019, Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training on **Responsibilities of Teachers, Outcome Based Education and Different Rules and Regulations**, 16-17 January, 2019, Directorate of Outreach Program, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.

LANGUAGE AND TECHNICAL SKILLS

- English (Medium of Instruction of university is English) and Bangla (Native language)
- **Analytical ability:** MS office, MS excel, Statistix10, SPSS, R-package

REFERENCES

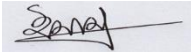
1. Dr. Md. Mizanur Rahman

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2. Dr. Mohammed Sakhawat Hossain

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I solemnly affirm that the above statements are true.



Md. Emam Hossain
January 2025