CURRICULUM VITAE OF DR. MD. EMAM HOSSAIN

PhD & MS (Entomology), B. Sc. Ag. (Hons.)
Assistant Professor, Dept. of Entomology, Faculty of Agriculture
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BIOGRAPHY

Dr. Md. Emam Hossain is currently working as an **Assistant Professor** in the Dept. of Entomology at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh since January 2021. He has an intense research interest in Integrated Pest Management (IPM), Biological control, Insect Ecology, Habitat Management. He completed extensive training in biotechnology and acquired molecular biology understanding. He also served as a research assistant for senior professors on several projects during his graduation year.

ACADEMIC QUALIFICATIONS

1. **Doctor of Philosophy (PhD) in Entomology (2026), CGPA: 4.00 out of 4.00,** Department of Entomology, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
   Thesis Title: Molecular identification of trap caught moth species and sustainable management of major insect pests in tomato (*Solanum lycopersicum* L.)
   Major Course Studied: Advanced Insect Ecology, Urban Entomology, Insect Biosystematics, Advances in Insecticide Toxicology, Plant Resistance in Pest Management, Urban Entomology and Advanced Research Methodology

2. **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.

3. **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, Agronomoy, Biochemistry, Horticulture, Soil science and Plant Pathology.

4. **Higher Secondary Certificate (HSC) (2012), GPA: 5.00 out of 5.00,** Farakkabad College, Chandpur, Bangladesh.

5. **Secondary School Certificate (SSC) (2010), GPA: 5.00 out of 5.00,** Farakkabad High School, Chandpur, Bangladesh.

PROFESSIONAL EXPERIENCE

- **Assistant Professor (21 January 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

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

PUBLISHED RESEARCH ARTICLES

1. **Hossain ME**, MM Rahman, MS Hossain, A Akter, MK Hossain, J Alam, MSI Khan, R Amin, S Hossain (2025). Tomato cultivation in Bangladesh: insights into pest awareness and disease management. Intl J Agric Biol 34:340212.
2. Amin, R., Sultana, R., Khan, M. S. I., Hossain, S., & **Hossain, M. E**. (2025). Synergistic Effects of Insecticides and Wetting Agents on Mango Mealybug (Drosicha mangiferae Green) Management. Asian Journal of Research in Zoology, 8(2), 52-60.
3. Talha, M. A., Rahman, M. M., Hossain, M. S., Ali, M. R., Reza, M., Khan, M. S. I., & **Hossain, M. E.** (2025). Development of an Integrated Pest Management Package for Effective Control of Spodoptera litura (Fab.) in Tropical Sugar Beet Production in Bangladesh. Asian Journal of Advances in Agricultural Research, 25(5), 130-136.
4. Talha, M. A., Rahman, M. M., Hossain, M. S., Ali, M. R., Reza, M., Khan, M. S. I., & **Hossain, M. E**. (2025). Efficacy of Some Insecticides on Different Larval Instars of Spodoptera litura (Fab.) under Laboratory Condition. Advances in Research, 26(3), 144-153.
5. Mumutaj, H., Latif, M. A., Ali, M. R., Khan, M. S. I., Amin, R., Ruku, R. S., **Hossain, M. E**. & Sazidy, M. S. (2024). Thrips (Megalurothrips usitatus Bagnall) Infestation in Mung Bean: Integrated Control with Chemical and Neem-based Insecticides. Annual Research & Review in Biology, 39(12), 1-10.
6. Talha, M. A., Rahman, M. M., Amin, R., **Hossain, M. E**., & Khan, M. S. I. (2024). Field evaluation of insecticides against Spodoptera litura (Fab.) in tropical sugar beet. Journal of Entomological Research, 48(4), 492-496.
7. Talha, M. A., Rahman, M., Amin, R., **Hossain, M. E**., & Khan, M. S. I. (2024). Sustainable management of Spodoptera litura (Fab.) in tropical sugar beet. Journal of Biopesticides, 17(2), 92-97.
8. Talha, M. A., Rahman, M. M., Sakhawat, M., Hossain, R. A., **Hossain, M. E**., & Khan, M. S. I. (2024). SCREENING OF TROPICAL SUGAR BEET VARIETIES AGAINST SUGAR BEET CATERPILLAR (SPODOPTERA LITURA) IN BANGLADESH. Bangladesh J. Entomol, 32(2), 55-66.
9. 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

10. 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

11. 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. *International Journal of Business Social and Scientific Research.* 11(2): 27–31. http://doi.org/10.55706/ijbssr11206
12. 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
13. Khan, M. S. I., **Hossain, M. E**., and Farhana, F. (2023). Management of tomato fruit borer (*Helicoverpa armigera* Hubner) through bio and chemical pesticides. *International Journal of Business Social and Scientific Research.* 11(1): 31–36. http://doi.org/10.55706/ijbssr11107
14. **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
15. **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. *International Journal of Business Social and Scientific Research.* 8(3), 15-19. http://www.ijbssr.com/currentissueview/14013363
17. Md. Shahidul Islam Khan, Md. Mizanur Rahman, Mohammed Sakhawat Hossain, Ruhul Amin, Mst. Salma Akter, Mst. Munjuri Akter, Khairul Kabir, Shahadat Hossain & **Md. Emam Hossain**. (2025). Dose Response of Some Chemical Insecticides in Mitigating Shoot and Fruit Borer (Earias vittella Fab.) Infestation in Okra. Annual Research & Review in Biology, 40(12), 38–47.

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-BanglaAgricultural University, Dhaka-1207, Bangladesh.

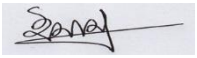
LANGUAGE AND TECHNICAL SKILLS

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

REFERENCES

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I solemnly affirm that the abnove statements are true.



Dr. Md. Emam Hossain