

## MD. SHAKIL ISLAM

Department of Pharmacology and Toxicology, Faculty of Animal Science & Veterinary Medicine,  
Sher-e-Bangla Agricultural University, Dhaka-1207

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### EDUCATION

MS (Master of Science) in Pharmacology, Department of Pharmacology, 2019. CGPA- 4.000/4.00, Bangladesh Agricultural University, Mymensingh.

DVM (Doctor of Veterinary Medicine), Faculty of Veterinary Science, 2018. CGPA- 3.774/4.00, Merit position- 6<sup>th</sup> (out of 138 students), Bangladesh Agricultural University, Mymensingh.

### TEACHING AND RESEARCH EXPERIENCE

#### *Teaching*

##### **19 December/2023 to date: Lecturer**

Department of Pharmacology and Toxicology, Faculty of Animal Science & Veterinary Medicine  
Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.

I am teaching Veterinary Pharmacology and Toxicology at the undergraduate level.

#### *Research*

- **2024 to 2025: Principal Investigator:** Investigation of Antibiotic Residues in Poultry and Possible Mitigation Approaches at Sher-e-Bangla Nagar, Dhaka, funded by the Ministry of Science and Technology, Bangladesh.
- **2024 to 2025: Co-Principal Investigator:** Frequency of antibody-containing plasma cells in MALTs of Brown chicken vaccinated against the ND vaccine through a unique mucosal vaccination route, funded by the Ministry of Science and Technology, Bangladesh.
- **2024 to 2025: Co-Principal Investigator:** Developing Heat-Resilient Broilers: Enhancing Performance with GABA-Enriched Feed, funded by Dhaka Bank PLC, Bangladesh.
- **2019 to 2020: Research assistant:** Indiscriminate use of Antibiotics in Poultry Industries and Presence of Antibiotics Residue in Edible Poultry Tissues and Products: A Need-Based Research in Bangladesh, funded by University Grants Commission, Bangladesh.
- **2018 to 2019: Researcher and MS candidate** at the Department of Pharmacology, Bangladesh Agricultural University, Mymensingh, Bangladesh, worked on study on Discriminate and indiscriminate use of amoxicillin in broiler: a need based antibiotic study in poultry industry in Bangladesh.

### PUBLICATIONS

#### **Journal articles**

1. Roy, S., Akther, M., Islam, M. S., Meher, M. M., Sarkar, S., **Islam, M. S.**, ... & Islam, M. M. (2025). Characterization of Lumpy Skin Disease in Northern Bangladesh: Clinical, Pathological, Biochemical, and Molecular Perspectives. *Veterinary Medicine International*, 2025(1), 4623554.

2. Hasan, M. R., **Islam, M. S.**, Islam, M. M., Alam, J., Wasef, A., Hasan, M. T., ... & Islam, M. S. (2025). Indiscriminate use of ciprofloxacin antibiotic in broiler reveals high antibiotic residues in broiler meat. *Asian Journal of Medical and Biological Research*, 11(2), 37-44.
3. Rayhan, M., Mukta, A. A., **Islam, M. S.**, Bhuiyan, M. E. R., Wasef, A., & Sharifa, M. Evaluating the Efficacy of Black Cumin (*Nigella sativa*) as a Natural Remedy for Heavy Metal (Chromium) Toxicity in Broiler Chickens.
4. Islam, M. S., **Islam, M. S.**, Alam, M. A., & Islam, S. (2025). Chronic exposure to amoxicillin and its effects on growth, immunity, organ function and residue accumulation in mice. *Asian Journal of Medical and Biological Research*, 11(1), 13-22.
5. Wasef, A., Mohanta, U. K., Sah, V. K., Islam, M. R., Khadka, N., Budhathoki, N., & **Islam, M. S.** (2025). Incidence and associated risk factors of uterine prolapse in dairy cows in Manoharganj Upazila, Cumilla District, Bangladesh.
6. Noor, N. J., Bhuiyan, M. E. R., Islam, M. S., Wasef, A., **Islam, M. S.**, Tonu, N. S., ... & Jahan, M. S. (2025). Pattern of Common Feline Diseases and Drug Utilization at District Veterinary Hospital of Narayanganj, Bangladesh: Common Feline Diseases and Drugs Used in Cats. *Research in Agriculture Livestock and Fisheries*, 12(1), 45-52
7. **Islam, M. S.**, & Islam, M. S. (2024). Uses of amoxicillin antibiotic in poultry industries: benefits and challenges. *Enferm infecç microbiol clín*, 28(8), 487-488.
8. Huraira, A., Alam, J., Soltana, T., Rahman, M. M., **Islam, M. S.**, Islam, M. M., & Rahman, A. N. M. I. (2024). Retrospective study of livestock diseases registered at Government Veterinary Hospital in Shahjadpur upazila of Sirajganj district. *Research in Agriculture Livestock and Fisheries*, 11(3), 315-325.
9. **Md. Shakil Islam**, Md. Shafiqul Islam. Uses of Amoxicillin Antibiotic in Poultry Industries: Benefits and Challenges. *J of Pharmacol 002 & Clin Res*. 2024; 10(4): 555795. DOI: 10.19080/JPCR.2024.10.555795
10. Md. Shafiqul Islam, **Md. Shakil Islam** and Sabbya Sachi. Pathophysiological Impact of Chronic exposure of Cefalexin Antibiotic Residue above the MRL level in Mice. *J of Pharmacol & Clin Res*. 2024; 10(4): 555792. DOI: 10.19080/JPCR.2024.10.555792
11. Islam MS, Belal B, Dash S, **Islam MS**, Hasan MM, et al., (2024) Chronic Exposure of Ciprofloxacin Antibiotic Residue Above the MRL Level and Its Pathophysiological Effects in Mice. *Curr Res Cmpl Alt Med* 8: 249. <https://doi.org/10.29011/2577-2201.100249>
12. **Md. Shakil I**, Md. Shafiqul I, Md. Rakibul H. Precision and Validation of Thin Layer Chromatography Analytical Technique to Analyze & Monitoring Antibiotic Residues in Poultry Products and Byproducts. *J of Pharmacol & Clin Res*. 2024; 10(3): 555786. DOI: 10.19080/JPCR.2024.09.555786.
13. Islam, M. S., Sachi, S., Dash, S., & **Islam, M. S.** (2023). Detection and mitigation of antibiotic residues in poultry products and byproducts. *Asian-Australasian Journal of Food Safety and Security*, 7(1), 33-39.
14. Islam, M. S., Akhtar, S., Hasan, M. R., & **Islam, M. S.** (2022). Safety and Therapeutic Efficacy of Tolfenamic Acid in Poultry and Animal in Bangladesh. *Journal of Veterinary Science & Medical Diagnosis*, 11(3)

15. Islam, M. S., Hasan, M. R., & **Islam, M. S.** (2021). Thin layer chromatographic investigation of antibiotics residues in edible poultry tissues in Bangladesh. *World Journal of Biology Pharmacy and Health Sciences*, 5(3), 024-032.
16. Ali, M. R., Sikder, M. M. H., **Islam, M. S.**, & Islam, M. S. (2020). Investigation of discriminate and indiscriminate use of doxycycline in broiler: an indoor research on antibiotic doxycycline residue study in edible poultry tissue. *Asian Journal of Medical and Biological Research*, 6(1), 1-7.
17. **Islam, M. S.**, Islam, M. Z., & Islam, M. S. (2019). Discriminate and indiscriminate use of amoxicillin antibiotic and detection of its residue in poultry edible tissue by thin layer chromatography (TLC) method. *Asian Australas. J. Food Saf. Secur*, 3 (2), 96-102
18. **Islam, M. S.**, Islam, M. Z., & Islam, M. S. (2019). Discriminate and indiscriminate use of amoxicillin and its effects on hematological parameters of broiler. *Asian Journal of Medical and Biological Research*, 5(2), 153-157.
19. Anika, T. T., Al Noman, Z., Ferdous, M. R. A., Khan, S. H., Mukta, M. A., **Islam, M. S.**, . . . Rafiq, K. (2019). Time dependent screening of antibiotic residues in milk of antibiotics treated cows. *Journal of Advanced Veterinary and Animal Research*, 6(4), 516.
20. Das, S., Al Faysal, M., Ferdous, J., Sachi, S., **Islam, M.**, & Sikder, M. (2019). Detection of oxytetracycline and doxycycline residue in different growth stages of commercial broiler. *Bangladesh Journal of Veterinary Medicine (BJVM)*, 17(1), 7-14.

### Conference Proceedings

1. Islam MS, **Islam MS.** (2024). Impact of Indiscriminate Uses of Amoxicillin in Broiler: A Public Health Perspective Study in Bangladesh. 30<sup>th</sup> Bangladesh Society for Veterinary Education and Research (BSVER) Annual Scientific Conference, 2024, held during 24-25 February 2024, Bangladesh Agricultural University Campus, Mymensingh, Bangladesh.
2. Islam MS, **Islam MS.** (2024). Development and Strengthening of Mobile Phase of Thin Layer Chromatography Analytical Technique to Analyze & Monitoring Antibiotic Residues in Poultry Products and Byproducts: Tackling Antibiotic Residue and Resistance Policy in Poultry Industry in Bangladesh. Paper presented in 30<sup>th</sup> Bangladesh Society for Veterinary Education and Research (BSVER) Annual Scientific Conference, 2024, held during 24-25 February 2024, Bangladesh Agricultural University Campus, Mymensingh, Bangladesh.
3. Islam MS, Dash S, **Islam MS** and Belal B. (2023). Chronic exposure of antibiotics residues to mice: A long term exposure of drugs residues study in laboratory animals to establish the legislation on drug residues. Paper presented in 29<sup>th</sup> Bangladesh Society for Veterinary Education and Research (BSVER) Annual Scientific Conference, 2023, held during February 2023, Bangladesh Agricultural University Campus, Mymensingh, Bangladesh.
4. Islam MS, **Islam MS.** (2023). Discriminate and indiscriminate use of amoxicillin and its effects on hematological parameters of broiler. Paper presented in 29<sup>th</sup> Bangladesh Society for Veterinary Education and Research (BSVER) Annual Scientific Conference, 2023, held during February 2023, Bangladesh Agricultural University Campus, Mymensingh, Bangladesh
5. Sultana T, Ferdous MRA, Riya MA, Islam T, **MS Islam**, Rafiq K. Detection of antimicrobial residues in broiler and layer meat in Mymensingh upazila of Bangladesh, *Proceeding, BSVER*

*ASCon XV*, Bangladesh Agricultural University, Mymensingh, 23-24 February 2019, Abstract No. O-55

#### **LIST OF CONFERENCE/SEMINAR OR SYMPOSIUM ATTENDED**

1. Attending the **11<sup>th</sup> International Poultry Show-2019** at International Convention City Bashundhara (ICCB), Dhaka from 7<sup>th</sup> to 9<sup>th</sup> March 2019, as a Visitor
2. Attending the **4<sup>th</sup> International Exhibition & Seminar on Dairy, Aqua and Pet-2018** at Bangabandhu International Conference Center (BICC) from 08 to 10<sup>th</sup> March 2018.
3. Attending the **24<sup>th</sup> Annual Scientific Conference 2018** at Bangladesh Agricultural University (Theme: Future Veterinary Education in Bangladesh) from 24 to 25 March 2018
4. Attending Annual Workshop on **Bangladesh Agricultural University Research Progress (2017-2018)**.
5. Attending the **13<sup>th</sup> Biennial Scientific Conference 2018** at Sayed Nazrul Islam Conference Hall, Bangladesh Agricultural University on 25 October 2018.

#### **SPECIALIZED TRAINING AND WORKSHOP**

- a) Successful completion of the course on **Foundation Training for University Teachers** from 08 January to 03 February 2022, conducted by the Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh.
- b) A training course on “**Good Livestock Husbandry Practices in Bangladesh**” from 24 June to 26 June 2024 At Bangladesh Agricultural Research Council (BARC), Dhaka organized by Livestock Division, BARC.
- c) **Pedagogy Training Program on Innovations in Agriculture and Pesticide Management** held at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh from 27-29 February 2024.
- d) A three days training program on “**CPD Training for Academic Veterinarians on Animal Disease Progression and Their Diagnosis in the Land Field**” from 12 February to 14 February 2024 at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh Funded by DAVIS-THOMSON FOUNDATION.
- e) A training program on “**National e-Government Procurement (e-GP) System as Procuring Entity (PE) User**” from 26 November to 30 November 2023 organized by Central Procurement Technical Unit (CPTU), Implementation Monitoring and Evaluation Division (IMED), Ministry of Planning.
- f) Successfully completed a three-day long training on “**Identify a nationwide network of Sonali in Bangladesh**” by FAO on 06-09 November 2018
- g) A training program on “**Beneficiary Verification Methodologies and Conducting Beneficiary Verification in Six Districts of Bangladesh**” by FAO on 3 March 2018.
- h) Successful completion of **Veterinary Medical Internship** (attending various Internship Training Centers in home and abroad) for six months from July to December 2017 in partial fulfillment of the requirements for the degree of DVM. During this internship training program, successfully completed the **Clinical Internship Training Programme** at Madras Veterinary College, Chennai and Veterinary College and Research Institute, Namakkal of Tamil Nadu Veterinary and Animal Sciences University from 16 October to 11 November 2017.

- i) An advanced course on **Communicative English** from 04 March to 28 April 2018 arranged by the Department of Languages, Bangladesh Agricultural University, Mymensingh.
- j) A training course on **Basics of MS Office** from 18 February to 01 March 2018 organized by Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh.
- k) A training course on **Scientific Report Writing** from 22 to 27 February 2018 organized by Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh
- l) A week-long training course on “**Extension Field trip**” organized by the Department of Agricultural Extension Education, Bangladesh Agricultural University and gained considerable experiences about rural communities, social survey, and technology transfer at Upazila level on 06-12 November 2016.

## **AWARDS OR DISTINCTIONS**

- Gold Medal” Award in recognition of securing the highest CGPA (4.000 out of 4.00) in the final examination in MS in Pharmacology.
- National Science and Technology (NST) Fellowship 2018-2019, from the Ministry of Science and Technology, Govt. of the People’s Republic of Bangladesh.

## **LANGUAGE PROFICIENCY**

Bengali: Native

English: Good user

Other languages: Hindi: Verbal

## **LICENSE**

Registered Veterinarian (Bangladesh Veterinary Council, **Registration Number: 5686**)

## **SKILLS, SOFTWARE, AND TOOLS**

Windows operating systems, Microsoft Office (MS Word, MS PowerPoint, and MS Excel), Adobe Acrobat, IBM SPSS Statistics 20, GraphPad Prism, BioEdit, EndNote 21, Mendeley Desktop v1.19.8, RStudio, Turnitin.

## **LAB EXPERIENCE**

High Performance Liquid Chromatography (HPLC), Thin Layer Chromatography (TLC), Soxhlet Extraction.

## **REFERENCES**

### **Md. Shafiqul Islam**

DVM, MS(BAU) PhD (Tokyo)

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