

## MD. SHAKIL ISLAM

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

E-mail: [shakil.ptox@sau.edu.bd](mailto:shakil.ptox@sau.edu.bd); Contact No.: +8801767091706

LinkedIn: [www.linkedin.com/in/shakilsau](http://www.linkedin.com/in/shakilsau), Institutional website: <https://www.sau.edu.bd/teacher/404>

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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*

- **2025 to 2026: Principal Investigator:** Effect of Cooking and Freezing on the Stability of Antibiotic Residues in Edible Tissues of Broilers: A Need-Based Study on Antibiotic Residue
- **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, Samiron, Mahfuza Akther, Md Sadequl Islam, Mirza Mienur Meher, Sumon Sarkar, **Md Shakil Islam**, Jahagir Alam, and Md Mominul Islam. 2025. "Characterization of Lumpy Skin Disease in Northern Bangladesh: Clinical, Pathological, Biochemical, and Molecular

- Perspectives.” *Veterinary medicine international* 2025: 4623554. DOI: <https://doi.org/10.1155/vmi/4623554>
2. MD, Rayhan, Ashrifa Akter Mukta, **Md Shakil Islam**, Md Eliusur Rahman Bhuiyan, Al Wasef, and Mst Sharifa Jahan. 2025. “Evaluating the Efficacy of Black Cumin (Nigella Sativa) as a Natural Remedy for Heavy Metal (Chromium) Toxicity in Broiler Chickens.” *Journal of pharmacology & clinical research* 11(1): 1–11. DOI: [10.19080/JPCR.2025.11.555805](https://doi.org/10.19080/JPCR.2025.11.555805)
  3. **Islam, Md Shakil**, and Md Shafiqul Islam. 2024. “Precision and Validation of Thin Layer Chromatography Analytical Technique to Analyze & Monitoring Antibiotic Residues in Poultry Products and Byproducts.” *Journal of pharmacology & clinical research* 10(3): 1–9. DOI: [10.19080/JPCR.2024.10.555786](https://doi.org/10.19080/JPCR.2024.10.555786).
  4. **Islam, Md. Shakil** and Md Shafiqul Islam. 2024. “Uses of Amoxicillin Antibiotic in Poultry Industries: Benefits and Challenges.” *Journal of pharmacology & clinical research* 10(4): 8–9. DOI: [10.19080/JPCR.2024.10.555795](https://doi.org/10.19080/JPCR.2024.10.555795)
  5. Islam, Md Shafiqul, **Md Shakil Islam**, and Sabbya Sachi. 2024. “Pathophysiological Impact of Chronic Exposure of Cefalexin Antibiotic Residue above the MRL Level in Mice.” *Journal of pharmacology & clinical research* 10: 555792. DOI: [10.19080/JPCR.2024.10.555792](https://doi.org/10.19080/JPCR.2024.10.555792)
  6. Islam, Md Shafiqul, Bipasha Belal, Sharmy Dash, **Md Shakil Islam**, Mahmudul Hasan, Kazi Rafiq, and Zahorul Islam. 2024. “Chronic Exposure of Ciprofloxacin Antibiotic Residue Above the MRL Level and Its Pathophysiological Effects in Mice.” *Current Research in Complementary & Alternative Medicine* 8(2). DOI: <https://doi.org/10.29011/2577-2201.100249>.
  7. **Islam, Md Shakil**, Md Zahorul Islam, and Md Shafiqul Islam. 2019b. “Discriminate and Indiscriminate Use of Amoxicillin Antibiotic and Detection of Its Residue in Poultry Edible Tissue by Thin Layer Chromatography (TLC) Method.” *Asian-Australasian Journal of Food Safety and Security* 3(2): 96–102. DOI: <https://doi.org/10.3329/aaajfss.v3i2.55932>
  8. **Islam, Md Shakil**, Md Zahorul Islam, and Md Shafiqul Islam. 2019. “Discriminate and Indiscriminate Use of Amoxicillin and Its Effects on Hematological Parameters of Broiler.” *Asian Journal of Medical and Biological Research* 5(2): DOI: <https://doi.org/10.3329/aaajfss.v3i2.55932>
  9. Anika, Tasnia Tabassum, Zakaria Al Noman, Most Rifat Ara Ferdous, Sayekul Hasan Khan, Mufsana Akter Mukta, **Md Shakil Islam**, Md Tarek Hossain, and Kazi Rafiq. 2019. “Time Dependent Screening of Antibiotic Residues in Milk of Antibiotics Treated Cows.” *Journal of advanced veterinary and animal research* 6(4): 516–20. DOI: [10.5455/javar.2019.f376](https://doi.org/10.5455/javar.2019.f376)

## SPECIALIZED TRAINING AND WORKSHOP

1. 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.
  - a) 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.

- b) 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.
- c) An advanced course on **Communicative English** from 04 March to 28 April 2018 arranged by the Department of Languages, Bangladesh Agricultural University, Mymensingh.
- d) 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.
- e) A training course on **Scientific Report Writing** from 22 to 27 February 2018 organized by Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh

### AWARDS

“Gold Medal” Award in recognition of securing the highest CGPA (4.000 out of 4.00) in the final examination in MS in Pharmacology.

### LANGUAGE PROFICIENCY

Bengali: Native	English: Good user	Other languages: Hindi: Verbal
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### 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)  
 Professor  
 Department of Pharmacology  
 Bangladesh Agricultural University  
 Mymensingh-2202, Bangladesh  
 Fax: +880-91-61510, +880-91-52060  
 Phone: 01733-980-575 (Mobile)  
 E-mail: shafiqpharma@yahoo.co.uk

#### **Dr. Mst. Sharifa Jahan**

Associate Professor  
 Department of Pharmacology and Toxicology  
 Faculty of Animal Science & Veterinary  
 Medicine  
 Sher-e Bangla Agricultural University, Dahaka-  
 1207, Bangladesh.  
 Cell: +8801716122816 (Mobile)  
 E-mail: labonielius@yahoo.co