

DR. Md. Khairul Islam

Contact & Address:

DR. Md. Khairul Islam

Lecturer

Department of Medicine & Public Health

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Curriculum Vitae

Education Qualifications

- | | |
|-------------|--|
| 2020 | MS in Medicine
Department of Medicine & Public Health, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh |
| 2018 | PGD (Post Graduation Diploma) in Avian Diseases,
Ecole Nationale Veterinaire de Maison Alfort (EnVA), France-2018. |
| 2017 | B. Sc. Vet. Sci. & A. H.
Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh |
| 2011 | Higher Secondary Certificate (H. S. C.)
BAF Shaheen College, Jashore, Bangladesh
Group: Science |
| 2009 | Secondary School Certificate (S. S. C.)
Jorepukuria Secondary School, Meherpur, Bangladesh
Group: Science |

Teaching and Job Experiences

Lecturer, Department of Medicine & Public Health,
Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

**19
December
2023 to
present**

Courses conducted and lectures given:

- Zoonoses & Public Health
- Epidemiology & Preventive Medicine
- General & Systemic Medicine
- Clinical Medicine
- Farm Animal Medicine
- Pet Animal Medicine
- Avian Medicine
- Zoo, Lab, Wild and Aquatic Animal Medicine

Academic Activities:

Member of PCMC of a project on “Improving Animal Health Practices of Veterinarians and Livestock Farmers to Contain Antimicrobial Resistance and Promote One Health” organized by Sher-e-Bangla Agricultural University (SAU) in collaboration with Asian Development Bank (ADB), Sathguru and Zenex.

Research Experiences

Researcher and MS candidate at Department of Medicine & Public Health, at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, worked on “Isolation, Identification and Antibiotic Sensitivity Profiling of *Escherichia coli* and *Salmonella* Spp. From Dead Broiler in Local Market of Dhaka City”. 2019 - 2020

Responsibilities: Study design, sample collection, microbiological study, physicochemical study, data management & analysis and dissertation.

Laboratory expertise:

- i Basic knowledge of laboratory principles, procedures and safety in microbiological laboratory
- ii Preparation of different microbiological culture media and reagents
- iii Aerobic and anaerobic culture of the microorganisms
- iv Isolation and identification of bacteria
- v Culture and sensitivity test of bacteria

Publications

Journal articles

1. **Khairul Islam**, Syidul Islam, Roknuzzaman Khan, Akib Zaved, Sharmin Khatun, Muhammad Al-Maruf, Mosharaf Hossain, Syeeda Shiraj-Um-Mahmuda, Afroj Zahan and K.B.M. Saiful Islam, (2025). Isolation, Identification and Antimicrobial Sensitivity Profiling of *Escherichia coli* and *Salmonella* Spp. from Dead Broiler in Local Market of Dhaka City. International Journal of Poultry

Science, 24: 16-23. DOI: [10.3923/ijps.2025.16.23](https://doi.org/10.3923/ijps.2025.16.23)
<https://scialert.net/abstract/?doi=ijps.2025.16.23>

2. Khatun, S., Khan, R., Zabed, A., **Islam, K.**, Masum, A., & Saiful Islam, K. B. M. (2025). Isolation, identification and antibiotic sensitivity profiling of *Escherichia coli* and *Salmonella* spp. from duck: An issue of public health. *Journal of Animal Science and Veterinary Medicine*, 10(4), 402-409. DOI: <https://doi.org/10.31248/JASVM2025.581>
3. Zabed, M. A., Khan, M. R., **Islam, M. K.**, Khatun, S., Ratul, M. A. R., Kumar, R., & Islam, K. (2025). Epidemiological Survey of Clinical Conditions in Companion Animals in Dhaka, Bangladesh: A Retrospective Analysis. *Asian Journal of Research in Animal and Veterinary Sciences*, 8(3), 249-270. DOI: [10.9734/ajravs/2025/v8i3352](https://doi.org/10.9734/ajravs/2025/v8i3352)
4. K B M Saiful Islam*, Faisol Talukdar, Syeeda Shiraj Um Mahmuda, **Khairul Islam**, Roknuzzaman Khan, Akib Zabed and Sharmin Khatun (2024). Evaluation of Selected Herbal Extracts on Clinicopathological Features and Therapeutic Efficacy in Experimental Avian Coccidiosis: In Vitro and In Vivo Approaches. *Biomedical Journal of Scientific & Technical Research (BJSTR)*.59(1):51188-51200. DOI: 10.26717/BJSTR.2024.59.009249
5. Al-Maruf, M., M. Islam, M. R. Islam, S. Islam, M. S. Islam, M. R. Khan, **M. K. Islam**, M. A. Zabed, and K. B. M. S. Islam. (2024) "Prevalence and risk factors of campylobacter colonization in broiler farms at selected districts of Dhaka division, Bangladesh." *Adv. Anim. Vet. Sci.* 12(11): 2144-2153. DOI: <https://dx.doi.org/10.17582/journal.aavs/2024/12.11.2144.2153>
6. Islam, S., **Islam, M. K.**, Khan, M. R., Al Maruf, M., Zabed, M. A., Mohanta, U. K., & Islam, K. B. M. S. (2024). Prevalence of mastitis and antimicrobial resistance patterns of *Escherichia coli* and *Staphylococcus aureus* isolated from the infected udder of dairy cows in coastal regions. *Bangladesh Veterinarian*, 13-22. DOI: <https://doi.org/10.3329/bvet.v41i1.78673>
7. Md. Roknuzzaman Khan, Md. Khairul Islam, Syidul Islam, **Akib Zabed**, Sharmin Khatun, Md. Abdur Raihan Ratul, Munshi Mohammad Sumon, Faisol Talukdar, Syeeda Shiraj-Um-Mahmuda, and K. B. M. Saiful Islam. 2025. "Environmental Contaminants in Drinking Water of Urban Dairy Farms in Dhaka, Bangladesh: Microbial and Iron Burdens as Emerging One Health

Threats Under Climate Stress”. International Journal of Environment and Climate Change 15 (11):530–545. <https://doi.org/10.9734/ijecc/2025/v15i115133>

8. Islam, K. B. M. S., Shiraj-Um-Mahmuda, S., Khan, M. R., **Islam, M. K.**, Zabed, M. A., Zahan, A., Shiraj-Um-Monira, S., & Talukdar, F. (2026). Multidrug resistance in enteric pathogens from smallholder poultry farms in peri-urban Dhaka: One Health implications. *Current Biomedicine*, 4(1), 14-23. <https://doi.org/10.29244/currbiomed.4.1.14>

List of Conferences/Seminars or Symposium Attended

1. Attended a seminar on “**11th International Poultry Show-2019**” organized by The World's Poultry Science Association-Bangladesh Branch (WAPSA-BB) held at International Convention City Bashundhara (ICCB), Dhaka from 7th to 9th March 2019, as Volunteer.
2. Attended a seminar on “**4th International Exhibition & Seminar on Dairy, Aqua and Pet-2018**” organized by Animal Health Companies Association of Bangladesh (AHCAB) held at Bangabandhu International Conference Center (BICC), Dhaka from 08-10th March 2018, as Volunteer.
3. Attended a seminar on “**FMD Virus impacts on Veterinary Farming in Bangladesh: Its past, present, and future**” held on 28 May 2025, arranged by Bangladesh Academy of Science (BAS), Bangladesh.
4. Attended a seminar on “**Empowering future Veterinarians: skills, ethics, and Innovations**” held on 2 June 2025, arranged by Bangladesh Veterinary Council (BVC)
5. Successfully completed a technical seminar on “**Pet Health and Disease Diagnosis**” held on 9th August 2025; organized by Bangladesh Small Animal Veterinary Association (BASAVA) at Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh

Specialized Trainings and Workshops

1. Attended a Pedagogy Training Program on “**Innovations in Agriculture and Pesticide Management**” held at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh during 27-29 February 2024 funded by FAO.
2. Attended a three-day training program on “**CPD Training for Academic Veterinarian on Animal Diseases Progression and Their Diagnosis in the Laboratory and Field**” from 12 February to 14 February 2024 at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh Funded by Davis-Thomson Foundation, USA.
3. Attended a workshop on “**Diagnosis of Poultry Diseases Based on Postmortem Findings**” as a part of Continuing Professional Development (CPD), held during February 15, 2024, at Sher-e-Bangla Agricultural University, sponsored by Davis Thompson Foundation, USA; organized by Global Health Pathology Network, USA

4. Successfully completed two days training on the study of ***“Identifying Cattle Feeding Practices in Bangladesh”*** funded by FAO Bangladesh during 01 September-02 September 2019.
5. Attended a Post Graduate Diploma (PGD) on ***“Avian Diseases Veterinary Training Course”*** during 15 July-25 October 2018 funded by Ecole Nationale Veterinaire d’Alfort (EnVA), France.
6. Successfully Completed Clinical Training (CT) on ***“Internship Training at Veterinary Clinical Complex”*** at College of Veterinary Science in Assam Agricultural University, Assam, India during 1 December-24 December 2017.
7. Successfully completed a ***“Veterinary Medical Internship”*** (attending various Internship Training Centers in home and abroad) for six months during August to January 2017 in partial fulfillment of the requirements for the degree of **B. Sc. Vet. Sci. And A. H.**
8. Actively provided veterinary services in ***“Veterinary Medical Team”*** at Qurbani Cattle Market at Dhaka City Corporation by Department of Livestock Services (DLS), Bangladesh 29 August-31 August 2017.
9. Participated in ***“Internship Program at CP Bangladesh Co.,Ltd ”***, Dhaka.
10. Certificated of Completion on ***“Assessment of Rodenticide Use and Rodenticide Resistance in Bangladesh in order to Reduce Post Harvest Losses Project”*** at Association for Integrated Development-Comilla (AID-Comilla), Cumilla during 21 November-23 November 2017.
11. Attended a Seminar on ***“Overview & Safe Use of Laboratory Ventilation Equipment (Laminar Air Flow, Biosafety Cabinets and Fume Hood)”*** held on 4 June 2016 funded by Esco Lifesciences Bangladesh Pvt Ltd.
12. Attended a week-long training course on ***“Extension Field trip”*** organized by the Department of Agricultural Extension and Information System, Sher-e-Bangla Agricultural University and gained considerable experiences about rural communities, social survey, and technology transfer at Sadar Upazila of Cox’sBazar on 05 February-09 February 2017.
13. Participated in Workshop on ***“Professional Profile Updating”*** for SAU Faculty Members on SAU Website organized by Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh
14. Successfully completed an ***“Improving Animal Health Practices of Veterinarians and Livestock Farmers to Contain Antimicrobial Resistance and Promote One Health”***, held on July 2024-June 2025; organized by Sher-e-Bangla Agricultural University (SAU) in collaboration with Asian Development Bank (ADB), Sathguru and Zenex
15. Attended a workshop on ***“Reviewing and Updating Curriculum Design and Layout for the faculty of Animal science and Veterinary Medicine”***, held on 22 & 24 July 2025, organized by Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh

16. Attended a two weeklong hand on training on *"Genomic DNA extraction from Fungus & Bacteria, Polymerase Chain Reaction (PCR), RNA extraction & cDNA synthesis for Virus detection, Gel Electrophoresis & Documentation, and Basic Bioinformatics to analyze Nucleotide sequences & GenBank Submission"* from 11 November to 25 November 2025 organized by Department of Plant Pathology at Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh
17. Attended a workshop on *"Writing ATF Sub-Project Proposal (Round 2) "*, held on 16 February 2026, organized by Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh

Surveys and Censuses

1. Attended a survey on *"Value Chain Analysis of Mangoes"* held on 16 August-23 August 2020 arranged by faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka funded by FAO, Bangladesh and WUR.
2. Attended a survey on *"Value Chain Analysis of Onions"* held on 16 July-23 July 2020 arranged by faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka funded by FAO, Bangladesh and WUR.
3. Attended a survey on *"Addressing Feed Shortages through Exploration of Unconventional Feed Resources for Accelerated Livestock Development in Bangladesh"* held on 04 September-20 September 2019 arranged by faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka funded by FAO, Bangladesh.
4. Attended a survey on *"Live Bird Market Census in Dhaka City"* held on 02 february to 16 February 2015 arranged by faculty of Animal Science and Veterinary Medicine in Sher-e-Bangla Agricultural University funded by FAO, Bangladesh.

Fellowships and Grants

National Science and Technology (NST) Fellowship

2018-2019

Ministry of Science and Technology (MoST), Govt. of the People's Republic of Bangladesh. 54,000 taka for a year

R & D Project 2025-2026

Ministry of Science and Technology (MoST), Govt. of the People's Republic of Bangladesh. 1,00,000 taka for a year

Country and Laboratory Visited

Country/Lab	Duration of work	Year
India (College of Veterinary Science, Khanapara, Assam Agricultural University, Assam)	24 days	2017

Professional Membership

- Registered Veterinarian, Bangladesh Veterinary Council (BVC)
- General Member, Bangladesh Veterinary Association (BVA)
- General Member, Krishibid Institution of Bangladesh (KIB)
- General Member “Rover Scout Group” at Sher -e- Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka -1207
- General Member “SAU Language Club” at Sher -e- Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka -1207
- Vice President at Greater Kushtia Veterinary Association (GKVA)

License

Registered Veterinarian: Bangladesh Veterinary Council (BVC), **Registration Number: 5769**

Language Proficiency

Fluent in Bengali and fair in English in listening, writing, reading and speaking.
Understand Hindi & Assamese and able to read Arabic proficiently
Other languages: Hindi and Nepali (Verbal)

Skills and Competences

Computer: Windows operating systems, Microsoft Office (MS Word, MS PowerPoint, MS Excel), Adobe Acrobat, IBM SPSS Statistics 20

Key Strength: Discreet analytical ability & decision-making, good motivation quality by diplomatic way, Ability to work in any environment

Personal Skills:

- Confidence to cope with challenging working environment
- Good communication skills and ability to take initiative.
- Able to adjust with people at all levels friendly outgoing nature.
- Enthusiastic, self-motivated, hardworking, loyal and determined.
- Team player- Motivated, driven and dedicated.
- Very quick learner and able to develop new areas of expertise.
- Problem solving and creativity.

Personal Information

Name	DR. Md. Khairul Islam
Father's Name	Md. Abdul Mannan
Father's Occupation	Farmer
Mother's Name	Mst. Momena Khatun
Mother's Occupation	Housewife
Present Address	Department of Medicine & Public Health Faculty of Animal Science & Veterinary Medicine Sher-e-Bangla Agricultural University

Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh

Permanent Address	Vill.: Terail, P.O.: Jorepukuria, P.S.: Gangni, Dist.: Meherpur
Date of Birth	15 July 1994
Nationality	Bangladeshi (By birth)
Religion	Islam
Blood Group	A ⁺ (A Positive)
Marital Status	Married
National ID	4612628810

References

1. Prof. Dr. K. B. M. Saiful Islam

DVM (CVASU), MS (Medicine, BAU), MS (Microbiology, Japan), PhD. (Microbiology, Japan)
PGD (Denmark), PGD (France)
Ex-Dean, Faculty of Animal Science & Veterinary Medicine
Ex-Chairman, Dept. of Medicine and Public Health
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2. Assoc. Prof. Dr. Sajeda Sultana

Chairman
DVM (BAU), MS (Pathology, BAU), PhD. (Pathology, BAU)
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Declaration

I, the undersigned, certify that to my knowledge and belief, this CV correctly described me qualification and me.



DR. Md. Khairul Islam

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