

## Curriculum Vitae

### Sumon Ghosh, DVM, MS

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### Education

**Master of Science (M.S.)** in Animal Breeding & Genetics (2011)

Chittagong Veterinary & Animal Sciences University, Bangladesh

**Doctor of Veterinary Medicine (D.V.M.)** (2009)

Chittagong Veterinary & Animal Sciences University, Bangladesh

### Work experience

#### 1. Senior Field Research Officer/Veterinarian

(August 2014- August 2022)

Infectious Diseases Division, International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b)

**Key responsibilities:** Protocols development and project implementation, scientific analysis, knowledge creation and report writing, sample collection from live bird market

#### 2. Veterinary Consultant (November 2011-August

2014), Directorate General of Health Services

(DGHS), Bangladesh

**Key responsibilities:** Protocols development, project implementation, scientific analysis

### Research Experience

**Project:** Survey of Antimicrobial Use in Human, Commercial Chicken and Aquaculture in Bangladesh (January 2021-August 2022)

**Institution:** icddr,b,

**Role:** Co-Principal Investigator

**Project:** Effect of H5N1 vaccination on avian influenzavirus shedding and subtype diversity in

commercial chickens (June 2021-Present)

**Institution:** icddr,b,

**Role:** Co-Principal Investigator

**Project:** Avian Influenza Surveillance in Bangladesh (2014-Present)

**Institution:** icddr,b,

**Role:** Research Veterinarian

**Project:** Risk of AI virus for contaminating environment of live bird markets and potential association of cleaning and disinfection (January 2015-June 2015)

**Institution:** icddr,b,

**Role:** Research Veterinarian

**Project:** Implementation of mass dog vaccination in Bangladesh (November 2011-June 2014)

**Institution:** DGHS,

**Role:** Co-Principal Investigator

**Project:** Verbal autopsy of clinically identified human rabies cases in Bangladesh (March 2014-July 2014)

**Institution:** DGHS,

**Role:** Co-Principal Investigator

### Professional Training

-Training on Creating a map using QGIS, icddr,b(2018)

-Training course on Laboratory animal science for designing and conducting of animal model experiments, icddr,b (2018)

-Training Course on Leadership Development, icddr,b (2016)

-Epidemiological Research Methods and SPSS, icddr,b (2015)

-Animal Welfare, Rabies Control & Mass Dog Vaccination, Government of the People's Republic of Bangladesh & World Society for the Protection of Animals (WSPA) (2011)

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## Awards and Fellowship

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1. **World Rabies Day Award 2019:** Shortlisted  
The Global Alliance for Rabies Control (GARC), USA
2. **Post Graduate Research Grant** (2009-2010)  
Danish International Development Agency  
(DANIDA), Bangladesh
3. **University Study Grant** (2004-2008)  
Chittagong Veterinary and Animal Sciences  
University, Bangladesh

## Books

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**Ghosh, S.** Rabies Control in Bangladesh: The Way Forward. 2017. LAP LAMBERT Academic Publishing. Saarbrücken, Germany. [Link](#)

## Editorial Activities

Slack, V., Nadal, D., Yasobant, S., Cliquet, F., Ahmad, W., Pushpakumara, N., & **Ghosh, S.** (Eds.). (2023). One Health for Dog-mediated Rabies Elimination in Asia: A Collection of Local Experiences. CABI. [Link](#)

## Publications

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1. Chowdhury S, Fournié G, Blake D, Henning J, Conway P, Hoque MA, Ghosh S, Parveen S, Biswas PK, Akhtar Z, Islam K. Antibiotic usage practices and its drivers in commercial chicken production in Bangladesh. PloS one. 2022 Oct 17;17(10):e0276158.
2. **Ghosh S**, Rana MS, Islam MK, Chowdhury S, Haider N, Kafi MA, Ullah SM, Shah MR, Jahan AA, Mursalin HS, Marma AS. Trends and clinico-epidemiological features of human rabies cases in Bangladesh 2006–2018. *Scientific Reports*. 2020 Feb 12;10(1):1-1.
3. Chowdhury, S, **Ghosh S**, Aleem MA, Parveen S, Islam MA, Rashid MM, Akhtar Z, and Chowdhury F. 2021. "Antibiotic Usage and Resistance in Food Animal Production: What Have We Learned from Bangladesh?" *Antibiotics* 10, no. 9: 1032.
4. **Ghosh S**, Ghosh S, Amin RJ, et al. Classical Hodgkin's lymphoma with cutaneous involvement in an adolescent male: A case study. *Cancer Reports*. 2021; e1473.
5. Sarker, BR\*, **Ghosh, S\***, Chowdhury, S, et al. Prevalence and antimicrobial susceptibility profiles of non-typhoidal Salmonella isolated from chickens in Rajshahi, Bangladesh. *Vet Med Sci*. 2021; 00: 1– 11. [\*denotes equal contribution]
6. **Ghosh, S.**, Chowdhury, S., Haider, N., Bhowmik, R. K., Rana, Md. S., Prue Marma, A. S., Hossain, M. B., Sumon Ghosh

## Affiliations

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- The American Society of Tropical Medicine and Hygiene (**ASTMH**)
- American Society for Microbiology (**ASM**)
- Rabies in Asia Foundation (**RIAF**), Bangladesh Chapter
- Royal Society of Tropical Medicine and Hygiene (**RSTMH**)
- One Health Bangladesh
- Bangladesh Veterinary Council (**BVC**)

## Reviewer Activities

- ❑ Future Virology
- ❑ Journal of Pediatric Infectious Diseases
- ❑ F1000Research
- ❑ The Lancet Infectious Diseases
- ❑ Journal of Epidemiology and Global Health
- ❑ Frontiers in Public Health
- ❑ PLoS Neglected Tropical Diseases

## Curriculum Vitae

- Debnath, N. C. and Ahmed, B.-N. Awareness of rabies and response to dog bites in a Bangladesh community. *Vet Med Sci*, 2016; 2: 161–169.
7. Rana MS, Jahan AA, Kaiser SG, Siddiqi UR, Sarker S, Begum MI, **Ghosh S**, Sarker S, Ahmed BN, Shamsuzzaman AK. Knowledge, attitudes and perceptions about rabies among the people in the community, healthcare professionals and veterinary practitioners in Bangladesh. *One Health*. 2021 Aug 14:100308.
8. Chowdhury S, Hossain ME, Ghosh PK, **Ghosh S**, Hossain MB, Beard C, Rahman M, Rahman MZ. The Pattern of Highly Pathogenic Avian Influenza H5N1 Outbreaks in South Asia. *Tropical Medicine and Infectious Disease*. 2019 Dec;4(4):138.
9. Yang, G., Chowdhury, S., Hodges, E., Rahman, M.Z., Jang, Y., Hossain, M.E., Jones, J., Stark, T.J., Di, H., Cook, P.W. and **Ghosh, S**. Detection of highly pathogenic avian influenza A (H5N6) viruses in waterfowl in Bangladesh. *Virology*, 2019; 534, pp.36-44.
10. Rana, MS, Siddiqi, UR, **Ghosh, S**, Jahan, AA, Islam, MK, Ali Shah, MR, Ullah, SM, Ali, SME, Ahmed, BN, Shamsuzzaman, AKM. Epidemiological study of human rabies cases in Bangladesh through verbal autopsy. *Heliyon*. 2020 Nov; 6 (11): e05521
11. Chowdhury S, Aleem MA, Khan MSI, Hossain ME, **Ghosh S**, Rahman MZ. Major zoonotic diseases of public health importance in Bangladesh. *Vet Med Sci*. 2021;00:1– 12
12. Sarker R, Khan MS, Tareq MA, **Ghosh S**, Chowdhury S. Antibiotic Use Among Children Under 5 Years of Age in a Tertiary Care Hospital, Bangladesh. *SN Comprehensive Clinical Medicine*. 2021 Feb 27:1-7.
13. Rahaman MM, Siddiqi UR, Sabuj AA, Ahmed BN, Tahmina S, Faruque MR, **Ghosh S**, Uddin N. Knowledge, attitude, and practice of a local community towards the prevention and control of rabies in Gaibandha, Bangladesh. *Journal of Advanced Veterinary and Animal Research*. 2020 Sep;7(3):414.
14. Khanom M, Khan MSI, Tareq MA, **Ghosh S**, Begum MR, Islam MS, and Chowdhury, S. (2020) Socio-Economic Burden of Tuberculosis among Hospitalized Patients in Dhaka City, Bangladesh. *Clin Med Pages* 1(1): 2
15. **Ghosh S**, Khan MK. Identification of the Suitable Milk Recording Protocol for Small-scale Dairy Production. *International Journal of Dairy Science*. 2014;9(4):124-31.
16. **Ghosh S**, Haider N and Khan MKI. 2012. Status of Household's Ducks and their Associated Factors under Scavenging System in a Southern Area of Bangladesh. *International Journal of Natural Sciences*, 2(4):108-11