

Curriculum Vitae
Sujan Kumar Sarkar

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Pronouns: He, His, Him



I. Professional Position Held

Position	Institution/Organization	Job Responsibilities
Assistant Professor (From February 10, 2021 to Till Date)	Department of Anatomy, Histology & Physiology; Faculty of Animal Science & Veterinary Medicine; Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	Conducting basic veterinary science courses and contributing in research projects
Lecturer (From December 27, 2018 to February 09, 2021)	Department of Anatomy, Histology & Physiology; Faculty of Animal Science & Veterinary Medicine; Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	Conducting basic veterinary science courses and contributing in research projects
Technical Service Officer (Avian Vet) (From February 11, 2017 to January 10, 2018)	New Hope Agrotech Bangladesh Limited, Munshiganj, Bangladesh	Disease diagnosis, treatment and management practices of avian species at farm level

II. Educational Credentials

Universities Attended	Degrees Earned	Dates Received
Department of Anatomy, Histology & Physiology , Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	MS in Anatomy CGPA 4.00 out of 4.00	9 th February 2021
Faculty of Animal Science & Veterinary Medicine , Sher-e-Bangla Agricultural University, Dhaka, Bangladesh	B.Sc. Vet. Sci. & A.H. CGPA 3.77 out of 4.00	25 th January 2017

Relevant Course Works:

- Cell Biology & Veterinary Histology, Developmental Anatomy, Neuro & Endocrine Anatomy, Ruminant, Canine, Feline, Equine and Avian Anatomy, Anatomy of Immune system, Immunohistochemistry (**Master's Study**)
- Anatomy, Histology & Physiology, Biochemistry, Genetics, Microbiology & Parasitology, Immunology, Pathology & Oncology, Pharmacology, Medicine & Surgery (**Bachelor's Study**)

III. English Language Proficiency (IELTS; TRF Number: 21BD008906SARS050A; Test Date: 16.9.2021)

Overall Band Score	Listening	Reading	Writing	Speaking
7.0	7.0	8.0	6.0	6.5

IV. Research Projects Currently Working on

- **Principal Investigator: Immunomodulatory Effects of Lemon Water on Broiler under Heat Stress.** (Funded by Sher-e-Bangla Agricultural University Research System, Dhaka, Bangladesh; 2022-2023)
- **Principal Investigator: Histomorphologic Effects of Copper Sulfate on Gut and Brain of Quail Birds.** (Funded by Ministry of Science & Technology, Bangladesh; 2021-2022)
- **Co-Principal Investigator: Immunological Effects of Water Salinity in Mammals and Birds.** (Anatomy, Histology & Physiology Department, Sher-e-Bangla Agricultural University, Dhaka,

Bangladesh: 2021-2022)

- **Co-Principal Investigator: Study of a Novel Mucosa-Associated Lymphoid Tissue and Its Associated Mucosal Vaccination Route in Chicken**. (Funded by Ministry of Science & Technology, Bangladesh; 2021-2022)

V. **Broad Research Interests**

- Anatomy, Histology, Immunology, Neurobiology, Cell Biology & Molecular Biology

VI. **Lab Skills**

- **Molecular Biology Techniques** (DNA/RNA extraction, Conventional PCR, q PCR/ RT-q PCR, Master Mix Preparation, Template Addition, PCR Cycle Set Up & Result Analysis, Basics of Designing Primer for Specific Known Pathogen Targets, Gel Electrophoresis & Gel Imaging)
- **Immunohistochemistry** Techniques
- **Histology Techniques** (Tissue Collection, Tissue Processing, Embedding, Microtomy, Staining Techniques, & Microscopy)

VII. **Research Organism**

- **Rats, Mice**, Birds

VIII. **Software Skills**

- SPSS, Microsoft Office

IX. **List of Publications**

Review Research Completed (Not Published Yet)

- **Sujan Kumar Sarkar (SAU, Dhaka) and Margaret Jordan (JCU, Australia) (2022). Contribution of Adaptive and Innate Immune Cells in Multiple Sclerosis**

Research Articles Already Published

- **Sujan Kumar Sarkar**, Subrato Biswas, K.B.M. Saiful Islam, Shah Jungy Ibna Karim, Md. Abdul Masum (2022). **Copper supplementation ameliorates fatty liver disease of laying quail birds**. Submitted abstract has been selected for poster presentation in the 8th congress of Asian Association of Veterinary Anatomists (Asian AVA) on October 30-31, 2022 in Chattogram Veterinary and Animal Sciences University (CVASU), Chattogram, Bangladesh.
- Islam, K. S., **Sarkar, S. K.**, & Shiraj-Um-Mahmud, S. (2021). "Assessment of Quality of Raw Milk in References to Antibiotic Residues and Microbial Loads at Farmers and Retailers' Level in Some Selected Areas of Bangladesh". Acta Scientific Nutritional Health, 5(7), 88-94. <https://www.actascientific.com/ASNH/ASNH-05-0896.php> (**Impact Factor: 1.316**)
- **Sarkar, S.K.**, Uddin, M., Hossain, M. M., Masum, M. A., & Islam, M. (2020). Hematobiochemical Effects of Telakucha (*Coccinia indica*) in Alloxan Induced Diabetic Rats. Research in Agriculture Livestock and Fisheries, 7(3), 431-438. <https://doi.org/10.3329/ralf.v7i3.51362>
- Islam, M. S., & **Sarkar, S. K.** (2020). Hypoglycemic Effects of Spirulina (*Spirulina platensis*) Leaves in Normal and Alloxan Diabetic Rat. Research in Agriculture Livestock and Fisheries, 7(3), 475-479. <https://doi.org/10.3329/ralf.v7i3.51367>
- Islam, K. S., **Sarkar, S. K.**, & Shiraj-Um-Mahmudac, S. (2020). Studies on veterinary antibiotic residues in chicken eggs and their public health significance in Bangladesh perspective. Veterinary Medicine and Public Health Journal, 1(3), 115-119. <https://doi.org/10.31559/vmph2020.1.3.9>
- Islam, K. S., Islam, K., Shiraj-Um-Mahmuda, S., & **Sarkar, S. K.** (2020). Development of alternatives to synthetic antibiotics against important veterinary pathogens using native herbal plant of Bangladesh. J. of Advancement in Medical and Life Sciences, 8(1), 03. <https://doi.org/10.5281/zenodo.3960600>
- Islam, K. S., Shiraj-Um-Mahmuda, S., Kabir, M. H. B., & **Sarkar, S. K.** (2018). Owner perception, zoonotic potential and public health significance of intestinal parasitism in pet cats of Bangladesh. J. of Advancement in Medical and Life Sciences, 7(1), 03. <https://doi.org/10.5281/zenodo.4005248>

X. Relevant Training/Workshop Summary

1. **Hands-on Training in Molecular Biology**, Bangladesh, 2022
2. Training on **Bioinformatics** for Sustainable Development in Agriculture, Bangladesh, 2021
3. Training on **How to Write a Thesis**, Bangladesh, 2020
4. Training & Workshop on **Scientific Paper Writing and Publication**, Bangladesh, 2019
5. Training on **Responsibilities of Teachers, Outcome Based Education and Different Rules and Regulation**, Bangladesh, 2019
6. Training & A Workshop to Introduce New Approaches to **Clinical Skills Teaching & Promote Animal Welfare** at Veterinary Field in Bangladesh, 2019
7. Training on **Food Safety Risk Assessment** for Informal Value Chains, Bangladesh, 2018
8. **PGD** in Avian Diseases Program from “**École nationale vétérinaire d'Alfort**”, France that was held at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, 2017
9. Training & Field Works on **Live Birds Market Census** in Dhaka City, Bangladesh, 2016
10. Training on **Rodent Management** to Reduce Contagious Disease & Post Harvest Losses (Post-mortem of Mouse & Sample Collection), Bangladesh, 2016
11. Training on the Use of **Laboratory Ventilation Equipment**, Bangladesh, 2016

XI. Professional Memberships

- Registered Veterinary Practitioner, Bangladesh Veterinary Council
- Member, Bangladesh Veterinary Association
- Member, World Veterinary Poultry Association –Bangladesh Branch
- Lifetime Member, One Health Bangladesh

XII. Awards and Achievements

2017	Awarded as Top 3rd Highest Scorer in PGD in Avian Diseases Program from “ École nationale vétérinaire d'Alfort ”, France that was held at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
2013	Dean Award for the outstanding academic achievement in second year of B. Sc. Vet. Sci. & A.H. course from the Faculty of Animal Science & Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

XIII. Community Services

- Providing free health care service to rescued animals
- Involved in social awareness program regarding animal welfare, zoonotic diseases, and public health issues

XIV. Referees

Dr. K. B. M. Saiful Islam <i>DVM, MS (Medicine), MS (Microbiol. Japan), Ph.D. (Microbiol. Japan), PGD (Denmark), PGD (France)</i>	Dr. Md. Abdul Masum PhD (MEXT, Japan), Postdoc (JSPS, Japan)
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