

Curriculum Vitae of Md. Arafat

Md. Yeasin Arafat

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Educational Qualifications:

Exam Title	University	Results (CGPA)	Year
MS in Microbiology	Bangladesh Agricultural University (BAU), Mymensingh, Bangladesh	3.734 (4.00 Scale)	2016
Doctor of Veterinary Medicine (DVM)	Patuakhali Science and Technology University (PSTU), Bangladesh	3.60 (4.00 Scale)	2014

MS Thesis Title: Isolation and molecular detection of *Aspergilli* from commercial chicken in selected areas of Bangladesh.

Details: Engaged (January 2015- July 2016; one and half year) in lab-based research. In this study A total of 50 suspected dead chicken (lung) sample were collected to isolate and identify the *Aspergilli* from chickens followed by their confirmatory diagnosis by PCR. Research finding was published in Journal of Advanced Veterinary and Animal Research (JAVAR) 2022; 9(2),184–190. <http://doi.org/10.5455/javar.2022.i583>

Professional experiences:

a) Assistant Professor (July 2021 – Present)

Department of Microbiology and Public Health, Faculty of Animal Science and Veterinary Medicine, Patuakhali Science and Technology University (Barishal Campus), Bangladesh

b) Lecturer (July 2019 - July 2021)

Department of Microbiology and Public Health, Faculty of Animal Science and Veterinary Medicine, Patuakhali Science and Technology University (Barishal Campus), Bangladesh.

c) Veterinary Surgeon (September 2018-June 2019)

(BCS Livestock), Department of Livestock Services, Ministry of Fisheries and Livestock, Bangladesh.

Research Interests:

- Infectious diseases of livestock
- Vaccine research
- Zoonotic disease research
- Vector-borne viral diseases
- Food safety and foodborne pathogen
- Cancer research
- Fungal research
- Antimicrobial resistance (AMR)
- One Health approach
- Molecular microbiology

Research Experiences:

- As a **Co-PI** Worked in the project entitled Strengthening biological works through preparing Standard Operating Procedures (SOPs) at Patuakhali Science and Technology University. This research is funded by Research and Training Centre, Patuakhali Science and Technology University, Research Grant 2020-2021.
- As a **Research Assistant** in Department of Microbiology and Hygiene, BAU, Mymensingh funded by BARC and project entitled “Epidemiological investigation and molecular identification of *Bacillus anthracis* in cattle in selected areas of Bangladesh” 2015- 2016.

English proficiency test: IELTS- 6.5 band score.

- ✓ **Reading**-6.5
- ✓ **Writing**- 6.5
- ✓ **Speaking**-6.5
- ✓ **Listening**-6.5

Skills and Competencies:

- Highly capable to use PCR, RT-PCR, bacterial culture, biochemical tests of bacteria etc. Isolation, identification of fungus through culture on Media, DNA extraction, PCR, Pure culture, Gel-electrophoresis etc. Statistical data analysis using SPSS.

Scholarship and Awards:

1. Research Grant 2020-21 funded by Research and Training Centre, Patuakhali Science and Technology University.
2. National Science and Technology (NST) Scholarship-2016, Bangladesh.

List of Publications:

1. Ansari, W.K., **M.Y. Arafat**, M.K. Akimul, M.S. Rahman, M.J. Islam, M. Hasan, M.I. Mridha, M. A. Islam. and M.E.H. Kayesh. 2024. Prevalence of lumpy skin disease and associated risk factors in the cattle of Barishal district in Bangladesh. *Research and Reviews*, 10(2): 72-81. <https://dx.doi.org/10.17582/journal.vsr/2024/10.2.72.81>.
2. A.K.M. Mostafa Anower, Abu Sayed, Aninda Kundu Tamal, Wahedul Karim Ansari and **Md. Yeasin Arafat**. Knowledge, attitude and practice assessment of bovine tuberculosis among abattoir personnel in Barishal City of Bangladesh. *Asian Journal of Medical and Biological Research*. 2023;9(3) 97-105. <https://doi.org/10.3329/ajmbr.v9i3.67586>
3. **Md. Yeasin Arafat**, Md. Monowarul Islam, Shamim Ahamed, Md. Muket Mahmud, Md. Bahanur Rahman, K.H.M. Nazmul Hussain Nazir. Molecular detection of Aspergilli from commercial chicken in selected areas of Bangladesh. *Journal of Advanced Veterinary and Animal Research (JAVAR)* 2022; 9(2), 184–190. <http://doi.org/10.5455/javar.2022.i583>
4. Nasrin Akter Sumona, Khondoker Jahengir Alam, **Md. Yeasin Arafat**, Imam Hasan. Humoral immune response against Newcastle disease virus and its pathological changes in vaccinated chickens in selected areas of Barishal district in Bangladesh. *Asian Journal of Medical and Biological Research*. 2020;6(2) 155-157.

5. Shamim Ahamed, K.H.M. Nazmul Hussain Nazir, Md. Abu Yousuf, Md. Monowarul Islam, **Md. Yeasin Arafat**, Md. Ariful Islam, Md. Muket Mahmud, Md. Rafiqul Islam. Seromonitoring of Peste des Petits Ruminants in goats and molecular characterization of PPR virus from field cases. *Journal of Advanced Veterinary and Animal Research (JAVAR)* 2019; 6(3) 416-424.

6. M.M Islam, S. Ahmed, **M.Y. Arafat**, I. Hasan, M. Rahman, K.H.M.N.H. Nazir. Molecular detection and antibiogram of shiga toxin producing Escherichia coli (stec) isolated from diarrheic children. *Bangladesh Journal of Veterinary Medicine* 2016;14 (2) 289-295.

Professional Training, Attended Conferences and Workshops:

- 1) Training on “Climate Change Impacts on Water and Food Systems and their Adaptation” organized by Water Systems and Global Change, Wageningen University and Research and Faculty of Agriculture, PSTU, 21-23 March, 2022.
- 2) Training Workshop on “Strengthening biological works through preparing standard operating procedures (SOPs) at Patuakhali Science and Technology University” by Department of Microbiology and Public Health, PSTU, 08 April, 2021.
- 3) Training on “Outcome Based Education” conducted by Institutional Quality Assurance Cell, PSTU, 05-12 January, 2020.
- 4) Training on “Teaching-Learning in Higher Education” by Institutional Quality Assurance Cell, PSTU, 17-29 April, 2019.
- 5) Attended in 3rd Conference of “CONTINUING EDUCATION for the VETS and ANIMAL HUSBANDRY GRADUATES of BANGLADESH” Cox’s bazar, Bangladesh, 16-18 November, 2019.
- 6) Training on “Livestock Departmental Basic Training Course” by Officer’s Training Institute, Dhaka, Bangladesh, 01 October-30 October 2018.
- 7) Training on “Biosafety and Biosecurity” by Bangladesh Biosafety and Biosecurity Association (BBBA), University of Dhaka, Bangladesh, 6-7 January 2017.
- 8) Workshop on “Problem Based Learning outcome” for DVM degree organized by IQAC, Patuakhali Science and Technology University.
- 9) 10th International Poultry Show and Seminar-2017, World’s Poultry Science Association-Bangladesh Branch, Dhaka, Bangladesh.
- 10) 7th International Seminar of Regional Network on Poverty Eradication (RENPER 7) on Advancement in Technology for Poverty Reduction: Opportunities and Challenges, Bangladesh Agricultural University, Mymensingh, Bangladesh, 13-15 November, 2016.
- 11) Training course on “Basics of MS Office” by Graduate Training Institute, 2015, Bangladesh Agricultural University, Mymensingh.
- 12) Participated in “21st BSVER international Scientific Conference” Organized by Bangladesh Society for Veterinary Education and Research at Bangladesh Agricultural University, Mymensingh, 07-08 March 2015.
- 13) The Annual Scientific Conferences (5th and 6th) organized by the COSTAL VET SOCIETY, Bangladesh.

Leadership and Volunteer Works:

- Assistant Proctor-Faculty of Animal Science and Veterinary Medicine, PSTU.
- Executive member- The Costal Vet Society of Bangladesh.
- Organizing Secretary, Association of Lecturer and Assistant Professor,2023, PSTU.
- Advisor- Greater Barishal Divisional Student Welfare Association.
- Advisor- Veterinary Student Association (VSA), PSTU.
- Voluntary Work on Free Blood Donation Camp- Organized by Badhon (PSTU)

Professional Memberships:

- Member, Bangladesh Veterinary Council.
- Life Member, Costal Vet Society, Bangladesh.
- Member, Bangladesh Veterinary Association (BVA).
- Member, Krishibid Institution of Bangladesh (KIB).
- Member, BARA (Bangladesh Antimicrobial Resistance Alliances), ECTAD, FAO.

Academic Referees:

1. Dr. A.K.M. Mostafa Anower

DVM (BAU); PhD (S. Korea); EuFMD Fellow (FAO)

Professor

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2. KHM Nazmul Hussain Nazir, Professor and Head

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3. Dr. Mohammad Enamul Hoque Kayesh

Professor & Chairman

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Certification and Consent:

I do hereby declare and certify that all information stated above is true and complete to the best of my knowledge and belief.



Md. Yeasin Arafat