

Curriculum Vitae

Personal information

Name Mohammad Ali Zinnah
 Address Associate Professor
 Department of Microbiology and Public Health
 Bangabandhu Sheikh Mujibur Rahman Agricultural University
 (BSMRAU), Gazipur -1706, Bangladesh
 Cell Phone +8801714485456
 Fax(es) +88 -02 -9205333
 E-mail zinnah05@bsmrau.edu.bd; zinnah05@gmail.com
 www.bsmrau.edu.bd/zinnah/
 URL www.bsmrau.edu.bd
 Gender Male
 Date of birth 25.11.1980
 Nationality Bangladeshi

Research interest **Microbiology, Virology, and Immunology**

Academic Profile

Name of qualification **Ph.D. in Animal and Food Hygiene (Immunology)**
 awarded
 Name of awarding institution Obihiro University of Agriculture and Veterinary Medicine, Japan
 Grades obtained Passed
 Dates September, 2020

Name of qualification **MS in Microbiology (MS)**
 awarded
 Name of awarding institution Bangladesh Agricultural University, Mymensingh -2202, Bangladesh
 Grades obtained cGPA-3.76 out of 4 scales (above 75% marks)
 Dates January, 2007-June, 2008

Name of qualification **Doctor of Veterinary Medicine (DVM)**
 awarded
 Name of awarding institution Shahjalal University of Science & Technology (SUST),
 Sylhet, Bangladesh
 Grades obtained cGPA-3.54 out of 4 scales (above 70% marks)
 Dates 1999-2003 (held in 2006)

Work experience

Employer name Department of Microbiology and Public Health
 Bangabandhu Sheikh Mujibur Rahman Agricultural University
 Gazipur -1706, Bangladesh
 Occupation/position held Associate Professor
 Activities/responsibilities Teaching and research on microbiology
 Dates November 15, 2018 to till to date

Employer name Department of Microbiology and Public Health
 Bangabandhu Sheikh Mujibur Rahman Agricultural University
 Gazipur -1706, Bangladesh
 Occupation/position held Assistant Professor
 Activities/responsibilities Teaching and research on microbiology
 Dates March 07, 2013 to November 14, 2018

Employer name Department of Microbiology and Immunology
 Sylhet Agricultural University, Bangladesh
 Occupation/position held Assistant Professor

Activities/responsibilities Teaching and research on microbiology
 Dates November 15, 2011 to March 06, 2013

Employername Department of Microbiology and Immunology
 Sylhet Agricultural University, Bangladesh
 Occupation/position held Lecturer
 Activities/responsibilities Teaching and research on microbiology
 Dates November 15, 2009 to November 14, 2011

Research experience Worked as Research Fellow for 01 (One) year in the project entitled "Characterization of Foot-and-Mouth Disease Virus and Selection of Vaccine Candidates from the Recent Outbreak of FMD in Cattle for the Development of Highly Potent New Generation FMDV Vaccine", Project No. 2007/48/MOSICT, funded by Ministry of Science, Information and Communication Technology (MOSICT), Government of the People's Republic of Bangladesh

Competency

Experimental Skills

- 1 Working experience with mouse, guinea pig & chicken models.
- 2 Maintenance of animal cell lines (BHK -21, HeLa & Vero cells lines), preparations of primary cell (chicken embryo fibroblast cell) culture.
- 3 DNA/RNA works: Plasmid DNA extraction, total RNA extraction, DNA purification, PCR, RT -PCR.
- 4 Others: a. ELISA, Western blot, HA, HI, E ID50 and
 b. Bacteriological work.
- 5 Handling of immune cells (Monocytes, Lymphocytes, Neutrophils).
- 6 Flowcytometry
- 7 I have little exposure on gene cloning.

Computer

Operation systems: MS Windows XP, Vista, Microsoft Office
 Statistical Software: SPSS 15 & other related software, Epi-Info 2000
 Reference work: Reference manager
 Graphics: Adobe Photoshop

List of Publications

1. **Mohammad A. Zinnah**, Mohamed A. Marey, Ihsan Akhtar, Ibrahim F. Elesh, Yuta Matsuno, Ahmed E. Elweza, Dongxue Ma, Mariani Fiorenza, Motoki Sasaki, Masayuki Shimada, Kazuhiko Imakawa, Akio Miyamoto. Peptidoglycan disrupts early embryo-maternal crosstalk via suppression of ISGs expression induced by interferon-tau in the bovine endometrium. *Biochem Biophys Res Commun.* **2020.** 532(1): 101-107.
2. Ibrahim Fouad Elesh, Mohamed Ali Marey, **Mohammed Ali Zinnah**, Ihsan Akhtar, Tomoko Kawai, Fayrouz Naim, Wael Goda, Abdel Rahamn Abou Rawash, Motoki Sasaki, Masayuki Shimada, Akio Miyamoto. Peptidoglycan switches off the TLR2-mediated sperm recognition and triggers sperm localization in the bovine endometrium. *Front. Immunol.* **2021.** 11:619408.
3. Mariani F. Fiorenza, Mohamed A. Marey, Mohammad B. Rashid, **Mohammad A. Zinnah**, Dongxue Ma, Vernadyn A. Morillo, Kazuya Kusama, Masayuki Shimada, Kazuhiko Imakawa, Alfredo Q. Antoniazzi, Akio Miyamoto. Neutrophils recognize and amplify IFNT signals derived from day 7 bovine embryo for stimulation of ISGs expression in vitro: A possible implication for the early maternal recognition of pregnancy. *Biochem Biophys Res Commun.* **553 (2021): 37-43.**
4. **MA Zinnah**, MT Islam, MM Rahman, MT Hossain, MA Zinnah, MR Bari, MSR Khan and MA Islam. Standardization of multiplex reverse transcription-polymerase chain reaction and typing of foot-and-mouth disease virus prevalent in Bangladesh. *Bang J Vet Med.* **2010.** 8(2):149-155.

5. Rahman, Md Masudur; Noor, Monira; Islam, Kazi Mehetazul; Uddin, Md Bashir; **Zinnah, Mohammad Ali**; Hossain, Ferdaus Mohd Altaf Hossain; Islam, Mohammad Rafiqul; Eo, Seong Kug; Ashour, Hossam. Molecular diagnosis of bovine tuberculosis in bovine and human samples: Implications for zoonosis. *Future Microbiol.* 2015. 10(4): 527-535.
6. AB Siddique, FMA Hossain and, **MA Zinnah**. Determination of host specificity of pigeon pox and fowl pox viruses isolated from a field outbreak. *Bul j of Vet Med.* 2011. 14(4): 209-214.
7. MS slam, AKM Khasruzzaman, MT Hossain, MT Islam, MH Chowdhury, MM Rahman, **MA Zinnah**, NA Banu, MA Islam. Determination of immune response of imported Newcastle disease virus vaccines in broiler chickens. *Bang J Vet Med.* 2008. 6(2):139-144.
8. A.T.M. Badruzzaman, Md. Saiful Islam Siddiqui, Md. Omer Faruk, Nasrin Sultana Lucky, **Mohammad Ali Zinnah**, Ferdaus Mohd. Altaf Hossain and Md. Masudur Rahman. Prevalence of infectious and non-infectious diseases in cattle population in Chittagong district of Bangladesh. *Int. J Biol Res.* 2015. 3 (1): 1- 4.
9. MTG Khan, **MA Zinnah**, MP Siddique, MHA Rashid, MA Islam and KA Choudhury. Physical and microbial qualities of raw milk collected from Bangladesh Agricultural University dairy farm and surrounding villages. *Bang J Vet Med.* 2008.6(2): 217-221.
10. MHO Rashid, MP Siddique, **MA Zinnah**, MA Huq, MA Samad and MM Rahman. Compliance efficacy of modified curing methods to control black Bengal goat skin deterioration. *Bang J Vet Med.* 2008. 6(2):191-196.
11. Al Mamun M, Bhuiyan MJU, **Zinnah MA**, KhairA, Hassan MM, Uddin MB. Seroprevalence and pathological investigation of Salmonellosis in poultry. *Eurasian J Vet Sci.* 2011.27 (4):227-229.
12. M. Al Mamun, M. Jamal Uddin Bhuiyan, **M. Ali Zinnah**, M. Mahmudul Hassan, Mohammad Atikuzzaman and M. Bashir Uddin. Prevalence of Fasciola sp. infection in ruminants. *Eurasian J Vet Sci*, 2011, 27, 4, 241- 244.
13. Md. Masudur Rahman and **Mohammad Ali Zinnah**. Interactions of Host's Innate and Adaptive Immune Components in the Pathogenesis of Viral Encephalitis: a Review. *MOJ Proteomics Bioinform.* 2014, 1(2): 00007.

Referees:

Professor Akio Miyamoto, PhD
(PhD supervisor)
Department of Animal Medical Science
Graduate School of Animal and Food Hygiene
Obihiro University of Agriculture and Veterinary
Medicine, Obihiro, Japan
E-mail: akiomiya@obihiro.ac.jp
URL: www.obihiro.ac.jp

Professor Md Alimul Islam, PhD
(MS supervisor)
Department of Microbiology and Hygiene
Faculty of Veterinary Science
Bangladesh Agricultural University,
Mymensingh-2202, Bangladesh
E-mail: alimul.vmh@bau.edu.bd,
alimulmicro@gmail.com
URL:www.bau.edu.bd

Professor Md. Masudur Rahman, PhD
(One of the Mentor, DVM program)
Department of Pathology
Faculty of Veterinary, Animal and Biomedical Sciences
Sylhet Agricultural University, Sylhet 3100, Bangladesh.
E-mail: rahmanmm.dpp@sau.ac.bd
mmrahman.sau@gmail.com
URL: http://www.sau.ac.bd



Mohammad Ali Zinnah

September, 2021