

Curriculum Vitae

Jahagir Alam, Ph.D.

Sher-e-Bangla Agricultural University,
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EDUCATION

- 2017-2022** **Ph.D. in Molecular Biology**
Osaka Prefecture University, Osaka, *Japan*.
- 2012-2013** **M.S. in Anatomy**
Bangladesh Agricultural University, Bangladesh.
- 2007-2011** **DVM (Doctor of Veterinary Medicine)**
Bangladesh Agricultural University, Bangladesh

PROFESSIONAL EXPERIENCE

- ◆ **Assistant Professor**
Sher-e-Bangla Agricultural University
Bangladesh, **2023-Continued**
- ◆ **Doctor of Philosophy**
Osaka Prefecture University, Japan, **2018-2022**
- ◆ **Research Assistant**
Osaka Prefecture University, Japan, **2017-2018**
- ◆ **Assistant Professor (Study leave)**
Patuakhali Science and Technology University
Bangladesh, **2017-2022**
- ◆ **Lecturer**
Patuakhali Science and Technology University,
Bangladesh, **2015-2017**

TECHNICAL SKILLS

- ◆ Mouse husbandry and reproduction
- ◆ Isolation and purification of DNA, RNA, and proteins
- ◆ PCR techniques (conventional, real-time qPCR, and RT-qPCR)
- ◆ Mammalian cell culture
- ◆ Experience with in vivo and in vitro animal models
- ◆ ELISA and Western blot
- ◆ Life cell imaging and cell-based assays (IHC, ICC, IF, FACS)
- ◆ Proficiency in statistical analysis and software (Microsoft Excel, PowerPoint)

PUBLICATIONS

Alam J & Ogawa K: Expression and localization of Ephrin-B1 and EphB4 in steroidogenic cells of mouse adrenal gland. Journal of Advance Veterinary and Animal Research (Submitted).

Gofur MR, Rauf SMA, Islam MM, Alam ME, and **Alam J**: Testis and Epididymis of Indigenous Buffalo Bull: A Biometrical and Histomorphometrical Study, Asian Sci. Bull., 2024 (1): 10-16.

Alam J and Hasan MK. Neuroanatomy of lumbosacral and pudendal plexus in pigeon of Bangladesh. Bangladesh Journal of Animal Science 2024; 54 (4) :98-104

Alam J and Hasan MK. Neuroanatomy of the wings of indigenous pigeon of Bangladesh. International Journal of Applied Research, 2022, 8 (1): 17-21.

Alam J & Ogawa K. Expression and localisation of Ephrin-B1 and EphB4 in steroidogenic cells in the naturally cycling mouse ovary. Reproductive Biology, (2021); 21: 100511.

Gofur MR, **Alam J** and Ogawa K. Expression and localisation of Ephrin-B1, EphB2, and EphB4 in the mouse testis during postnatal development. Reproductive Biology.2020; 20 (3): 321-332.

Hussan MT, Islam MS, **Alam J** Macroanatomical Structure of the Lumbosacral Plexus and its Branches in the Indigenous Duck. Bangladesh Veterinary Journal. 2018; 52(1-4): 1-9

Alam J, Arifin MS and Hussan MT. Macroanatomical aspects of Brachial Plexus and its Branches in the Indigenous Duck. Bangladesh Journal of Veterinary Medicine, 2017; 15(1):1-6.

Alam J, Hussan MT, Gofur MR, Awal MA. Effects of arsenic on the Oogenesis of Black Bengal Goat (*Capra hircus*) reared in the arsenic-polluted area of Mymensingh district of Bangladesh. International Journal of Applied Research. 2017; 3(1):25-32

Karim MR, Rahman MM, Alam KJ, **Alam J**. Moonmoon M and Rahman MH (2017). Study on the prevalence of bovine fascioliosis at Bauphal upazila of Patuakhali district in Bangladesh. Wayamba Journal of Animal Science. 2017; ISSN: 2012-578X; P1549 - P1552

Alam J, Meher MM, Jannat N, Das SK, and Awal MA. Alteration of gross anatomy of testicles in black Bengal goat reared at the arsenic polluted area in Mymensingh district of Bangladesh. International Journal of Natural and Social Sciences, 2017, 4(1): 76-80

Meher MM, Afrin M, Hassan Z, **Alam J**. Epidemiological investigation of peste des petits ruminant's virus infection in goat with therapeutic management at Bera upazila of Pabna in Bangladesh. Progressive Agriculture. 2017 ; 28 (2) : 114-119.

Awal MA, **Alam J**, Hossain MM and Matsumoto M (2015). Effect of Arsenic (As) on the Spermatogenesis of Black Bengal Goat (*Capra Hircus*) Reared at the Arsenic Prone Area of Mymensingh District in Bangladesh. British Biotechnology Journal.2015; 5 (1):13-23.

Awal MA, **Alam J**, Kurohmaru M, Yabuki A, and Matsumoto M (2014). Sex-dependent kidney morphology of guinea pig-light microscopy and immunohistochemical study. International Journal of Innovation and Applied Studies. 2014; 7(3):920-928.

Awal MA, Yabuki A, Ichii O, Matsumoto M, Suzuki S, and **Alam J**. Light Microscopic and Immunohistochemical Study Revealed Sex-Dependent Kidney Morphology in DBA/2crSlc Mice. British Biotechnology Journal, 2013; 3 (3): 341-349

Pariza KF, **Alam J**, Islam MR, Hossain MM and Awal MA. Investigation of Hematological and Biochemical Profiles of Anestrous Zebu Cows. Bangladesh Journal of Veterinary Medicine, 2013, 11 (1): 57-60

Pariza KF, Hossain MM, Awal MA, **Alam J** and Islam M. Comparative Study of Hematological & Biochemical Profiles of Repeat Breeding Zebu Cows. Journal of Sher-e-Bangla Agricultural University. 2012; 6 (1): 8-12.

Shohiduzzaman, Hossain MM, **Alam J** & Islam M. Effect of Artificial Insemination on Pregnancy Rate in Cows at Mymensingh District in Bangladesh. Journal of Sher-e-Bangla Agricultural University, 2012; 6 (2) :1-6.

Wares MA, Awal MA, Das SK and **Alam J**. Environmentally Persistent Toxicant Arsenic Affects Uterus Grossly and Histologically. Bangladesh Journal of Veterinary Medicine, 2011; 11 (1):61-68.

ORAL AND POSTER PRESENTATIONS AT THE CONFERENCE

Alam J & Ogawa K. Expression and localization of ephrin-B1 and EphB4 in the steroidogenic cells of naturally cycling mouse ovary. Joint conference of 126th annual meeting of the Japanese Association of Anatomists & 98th annual meeting of the Physiological Society of Japan. (e-Poster)

Gofur MR, **Alam J** and Ogawa K (2021). Expression and localization of ephrin-B1, EphB2, and EphB4 in the mouse testis during postnatal development. Joint conference of 126th Annual Meeting of the Japanese Association of Anatomists & 98th Annual Meeting of the Physiological Society of Japan (ePoster).

Alam J, & Ogawa K (2019): Expression and localization of ephrin-B1 and EphB4 in the mouse ovary. 162th Scientific conference of the Japanese Society of Veterinary Science, 2019, 1347-8621

Alam J, Gofur MR and Awal MA. Xenobiotic arsenic affects the histoarchitecture of ovary and oogenesis of black Bengal goat. In: Proceedings of the 15th International Scientific conference of CVASU, Chittagong, Bangladesh. 12-13 May 2018. P. 144.

Alam J, Gofur MR and Awal MA. Histomorphometry of the testis and the spermatogenesis are affected by xenobiotic arsenic in black Bengal goat. In: Proceedings of the 15th International Scientific conference of CVASU, Chittagong, Bangladesh. 12-13 May 2018. P. 144.

Awal MA, Wares MA, **Alam J**, and Das SK: Alteration of testicular tissues of Black Bengal goats in arsenic affected areas of Mymensingh district of Bangladesh. BSVER ASCon XIX. B.A.U, Mymensingh. Publication No. 38. pp.52

PROFESSIONAL MEMBERSHIPS

- ◆ Bangladesh Veterinary Council, Bangladesh.
- ◆ Bangladesh Veterinary Association, Bangladesh.
- ◆ Bangladesh Agricultural University (BAU) Alumni Association, Bangladesh
- ◆ Japanese Society of Veterinary Sciences (JSVS), Japan.
- ◆ Asian Association of Veterinary Anatomists
- ◆ Association of Veterinary Anatomists of Japan
- ◆ Association of Veterinary Anatomists of Bangladesh
- ◆ The Costal Vet Society of Bangladesh
- ◆ Krishibid Institute, Bangladesh
- ◆ Osaka Prefecture University Alumni Association, Japan
- ◆ Japanese University Alumni Association of Bangladesh (JUAB).

RESEARCH INTEREST

Neuroanatomy, Reproductive biology, Molecular biology, and Immunology

REFERENCES

- 1. Mohammad Saiful Islam, Ph.D.**
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Faculty of Animal Science & Veterinary Medicine
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- 2. Ziaul Haque, Ph.D.**
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- 3. Mohammad Musharraf Hossain, Ph.D.**
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Declaration: I hereby declare that the above information is true to the best of my knowledge.



(Jahagir Alam)