

Curriculum Vitae
Mohammad Saiful Islam



Department of Anatomy, Histology & Physiology
Faculty of Animal Science & Veterinary Medicine
Sher-e-Bangla Agricultural University
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I. Profile

1. Strong experience in teaching and research in the field of veterinary anatomy.
2. Deep knowledge in morphology and functional anatomy of domestic mammals.
3. Sound knowledge of instructional techniques.
4. Wide knowledge of curriculum design, development and delivery.
5. Familiarity with veterinary anatomy research techniques, such as immunohistochemistry, immunofluorescence, immunoblotting, confocal laser scan microscopy and immunoelectronmicroscopy for conducting research in all aspects of modern cell biology.

II. Education Credentials

2007-2011	PhD in Veterinary Science; Major Veterinary Anatomy United Graduate School of Veterinary Science, Yamaguchi University, Japan (Research at Laboratory of Veterinary Anatomy, Kagoshima University, Japan)
2002-2003	MS in Anatomy, Bangladesh Agricultural University, Bangladesh
1995-2000	DVM, Bangladesh Agricultural University, Bangladesh

III. Professional Overview

Dec 2016-Present	Associate Professor and Chairman Department of Anatomy, Histology & Physiology Faculty of Animal Science & Veterinary Medicine Sher-e-Bangla Agricultural University, Dhaka 1207, Bangladesh
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Position Summary	<p>Responsibilities include academic advising of students, participation in university committees and activities, and supervision of undergraduate and post graduate research projects.</p> <p>Responsible for planning lecture and lab, including outcome-based course curricula preparation, online lectures, online test construction, grade assessment, lab preparation, and lab supervision.</p> <p>Organize practical materials as per theory classes. Skeleton preparation, Cadaver dissection for demonstration. Prepare histologic slide of different tissues and organs for light microscopy.</p> <p>Teaching load includes general anatomy, histology, systematic anatomy, avian anatomy, embryology, comparative anatomy and neuroanatomy, surgical anatomy. Also co-teach general physiology and systemic physiology.</p>
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April 2012-Present

Assistant Professor and Chairman

Department of Anatomy, Histology & Physiology
Faculty of Animal Science & Veterinary Medicine
Sher-e-Bangla Agricultural University, Dhaka 1207, Bangladesh

Position Summary

Responsibilities include academic advising of students, participation in university committees and activities, and supervision of undergraduate research projects.

Responsible for planning lecture and lab, including syllabus preparation, test construction, grade assessment, lab preparation, and lab supervision.

Organize practical materials as per theory classes. Skeleton preparation, Cadaver dissection for demonstration. Prepare histologic slide of different tissues and organs for light microscopy.

Teaching load includes general anatomy, histology, systematic anatomy, avian anatomy, embryology, comparative anatomy and neuroanatomy, surgical anatomy. Also co-teach general physiology and systemic physiology.

April 2007-May 2011

Teaching Assistant

Laboratory of Veterinary Anatomy
Kagoshima University, Japan

Position Summary

Lab instructor for veterinary anatomy and histology courses. Assist senior Professor during theory and practical classes, dissection of cadavers, prepare histological slides etc. for undergraduate veterinary and animal science students.

May 2005-March 2012
(on study leave 2006-2011)

Assistant Professor

Department of Anatomy & Histology
Barisal Government Veterinary College, Bangladesh

Position Summary

Responsibilities include academic advising of students, participation in academic committees and activities and supervision of undergraduate research projects. Responsible for planning lecture, including syllabus preparation, test construction, grade assessment, lab preparation, and lab supervision.

Teaching load includes gross anatomy, histology, embryology, comparative anatomy, neuroanatomy and surgical anatomy.

September 2004-May 2005

Lecturer

Department of Anatomy & Histology
Barisal Government Veterinary College, Bangladesh

Position Summary

Responsible for planning lecture, including syllabus preparation, test construction, grade assessment, lab preparation, and lab supervision.

Teaching load includes gross anatomy, histology, embryology, comparative anatomy, neuroanatomy and surgical anatomy.

IV. Research Interest

Broad area of interest: Reproductive biology

1. Regulation and control of mammary gland development.
2. Angiogenesis in mammary gland during reproductive cycle.

V. Research Accomplishments: Author and co-authors of scientific publications spanning the areas of mammary gland biology and attended many local and international conferences and symposia.

VI. Workshop/Conference/Symposia Participated and Presented:

1. **Workshop on “Operation and maintenance of laboratory equipment”** organized by HQEP Subproject, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka 1207, Bangladesh, December, 2013.
2. **150th meeting of the Japanese Society of Veterinary Science** organized by Obihiro University of Agriculture and Veterinary Medicine, Obihiro, Japan, September 16-18, 2010
3. **149th meeting of the Japanese Society of Veterinary Science**, organized by Nippon Veterinary and Life Science University, Tokyo, Japan, March 26-28, 2010.
4. **Third Congress of Asian Association of Veterinary Anatomist (AAVA)** organized by Korean Association of Veterinary Anatomist, Chungbuk National University, Cheonju, Korea, November 4-6, 2009.
5. **Third International conference on polyphenols and health (ICPH)** organized by Kagoshima University, Japan, November 23-24, 2007.
6. **18th annual conference of Bangladesh Society for Veterinary Education and Research (BSVER)** organized by Bangladesh Agricultural University, Bangladesh, February 18-19, 2012.

VII. Overview of Funding/Grants

Received Current project:

1. Anti-diabetogenic impact of *Allium sativum* (Garlic) and *Nigella sativa* (Black cumin) on diabetic rat model. A 12-month project (July 2013 to June 2014) funded by Ministry of Science and Technology, Government of the People’s Republic of Bangladesh. Principal Investigator. **Total grants: US\$ 4,000 (approx.)**
2. Prevalence of common helminth infection in calves at Sher-e-Bangla Agricultural University cattle farm. A 12-month project (July 2013 to June 2014) funded by Sher-e-Bangla Agricultural University Research System, Bangladesh. PI. **Total grants: US\$ 1,000 (approx.)**

VIII. Awards and Achievements

2006	Japanese Government Scholarship (Monbukagakusho) for PhD.
2009	Best Presentation Award from the United Graduate School of Veterinary Science, Yamaguchi University.
2011	Dean Award for the outstanding research achievement during doctoral course from the United Graduate School of Veterinary Science, Yamaguchi University, Japan

IX. Memberships

1. Member, World Association of Veterinary Anatomist (WAVA)
2. Member, Japanese Society of Veterinary Science (JSVS)
3. Member, Asian Association of Veterinary Anatomist (AAVA)

4. Member, Krishibid Institution, Bangladesh
5. Member, Bangladesh Veterinary Council
6. Member, Bangladesh Veterinary Association
7. Member, Japanese University Alumni Association, Bangladesh

X. List of Publications

1. Mohammad Tufazzal Hussan, SM Hanif, ML Mollah, **MS Islam**, MJH Shuvo, MA Jahid, Origin of Lumbosacral Plexus and its Branches in Domestic Turkey (*M. gallopavo*). Bangladesh Veterinary Journal 53 (1-4):21-28 July, 2019.
2. Rupaly Akhter, Imrul Hasan Rasel and **Mohammad Saiful Islam**, Effect of bitter melon and garlic on blood glucose level and blood cholesterol level in rats in diabetic condition. Research in Agriculture Livestock and Fisheries, 5(3), 359-363, December, 2018.
3. Rupaly Akhter, Imrul Hasan Rasel and **Mohammad Saiful Islam**, Antidiabetic effect of bitter melon/Kerala (*Momordica charantia*) in alloxan induced diabetic rat. Research in Agriculture Livestock and Fisheries, 5(3), 373-379, December, 2018.
4. Mohammad Tufazzal Hussan, **Mohammad Saiful Islam**, Jahangir Alam, Macroanatomical Structure of the Lumbosacral Plexus and its Branches in the Indigenous Duck. Bangladesh Veterinary Journal, 52(1-4):1-9 52 July, 2018.
5. Md. Mosharaf Hossain, Mahfuzul Islam and **Mohammad Saiful Islam**, Comparative study of antihyperglycemic and antihypercholesteromic effect of aqueous extract of *Allium sativum* (Garlic) and *Zingiber officinale* (Ginger) in alloxan induced rats. International Journal of Animal Resources, 1(1), 11-18, January 2016.
6. IH Rasel, N Ahmad, MER Bhuiyan, **MS Islam**, Effects of Edible Oils on Biochemical Parameters of Blood in Mice, International Journal of Animal Resources, 1(2), 27-34, July 2016.
7. Mohammad Mejbah Uddin, **Mohammad Saiful Islam**, Joyita Basu and Md. Zahirul Islam Khan, Distribution and quantification of lymphocytes in the major lymphoid organs of naturally Gumboro infected broilers. *International Journal of Morphology*, **30** (4), 1585-1589, September, 2012.
8. **Mohammad Saiful Islam**, Mitsuharu Matsumoto, Ryotaro Hidaka, Noriaki Miyoshi, Nobuhiro Yasuda, Expression of NOS and VEGF in feline mammary tumours and their correlation with angiogenesis. *The Veterinary Journal*, **192**(3), 338-344, June, 2012.
9. **Mohammad Saiful Islam**, Mitsuharu Matsumoto, Rina Ishida, Tatsuzo Oka and Hiroaki Kanouchi, Change in VEGF Expression in mouse mammary gland during reproductive cycle, *Journal of Veterinary Medical Science*, **72**(9), 1159-1163, September, 2010.
10. Jiragara Bayin, Mitsuharu Matsumoto, **Mohammad Saiful Islam**, Akira Yabuki, Hiroaki Kanouchi, Tatsuzo Oka and Hayao Nishinakagawa, Promoting effects of Chinese pangolin and wild pink medicines on the mammary gland development in immature mice, *Journal of Veterinary Medical Science*, **71**(10), 1325-1330, October, 2009.
11. **Mohammad Saiful Islam**, Mitsuharu Matsumoto, Kaze Tsuchida, Tatsuzo Oka, Hiroaki Kanouchi, and Syusaku Suzuki, Immunohistochemical localization of nitric oxide synthase (NOS) in mouse mammary gland during reproductive cycle, *Journal of Veterinary Medical Science*, **71**(7), 945-949, July, 2009.
12. **Mohammad Saiful Islam**, Mohammad Abdul Awal, Mohammad Abdul Quasem, Md. Asaduzzaman, and Shonkor Kumar Das, Morphology of Esophagus of Black Bengal Goat, *Bangladesh Journal of Veterinary Medicine*, **6**(2), 223-225, December, 2008.
13. **Mohammad Saiful Islam**, Mohammad Abdul Awal, Mohammad Abdul Quasem, Md. Asaduzzaman, and Shonkor Kumar Das, Arterial Supply to the Esophagus of Black Bengal Goat, *Bangladesh Journal of Veterinary Medicine*, **6**(2), 229-230, December, 2008.
14. **Mohammad Saiful Islam**, Md. Abul Quasem, Mohammad Abdul Awal, and Shonkor kumar das, Histology of Esophagus of Black Bengal goat, *Bangladesh Journal of Veterinary Medicine*, **3**(2), 152-154, December, 2005.
15. Shonkor Kumar Das, Md. Zahirul Islam Khan, Mohammad Shah Alam, Md. Mejbah Uddin, **Mohammad Saiful Islam**, and Md. Saiful Islam Siddiqui, Histological Evidence for Blood Supply to the

Sperm-Host Glands (SHG) in the Oviduct of Native Chicken (*Gallus domesticus*), *Bangladesh Journal of Veterinary Medicine*, 3(2), 170-172, December, 2005.

16. **Mohammad Saiful Islam**, Mohammad Abdul Quasem, Md. Mejbah Uddin, Md. Ahsanur Reza, and Shonkor Kumar Das, Innervation to the Esophagus of Black Bengal Goat, *Journal of Biological Science*, 4(6): 776-777, December, 2004.

XI. Proceeding Publication

1. **Mohammad Saiful Islam**, Mitsuharu Matsumoto, Masashi Tsujio, Expression and localization of VEGFR-2 in mouse mammary gland during reproductive cycle, *Proceedings of 150th meeting of The Japanese Society of Veterinary Science*, 2010, September.
2. **Mohammad Saiful Islam**, Mitsuharu Matsumoto, Ryotaro Hidaka, Noriaki Miyoshi, Nobuhiro Yasuda, Immunohistochemical localization of NOS and VEGF in feline mammary carcinoma. *Proceedings of 149th meeting of the Japanese Society of Veterinary Science*, March, 2010.
3. **Mohammad Saiful Islam**, Mitsuharu Matsumoto, Rina Ishida, Tatsuzo Oka and Hiroaki Kanouchi, Changes in the expression of VEGF in mouse mammary gland during reproductive cycle, *Proceedings of 3rd Congress of Asian Association of Veterinary Anatomist (AAVA)*, 33, November, 2009.
4. Mitsuharu Matsumoto, Akira Yabuki, **Mohammad Saiful Islam**, Hiroaki Kanouchi, Tatsuzo Oka, Syusaku Suzuki, Chinese traditional medicine promotes the proliferation and differentiation of mammary Gland in mice, *Proceedings of 3rd International conference on polyphenols and health (ICPH)*, 13, December, 2007.
5. Mitsuharu Matsumoto, Hiroaki Kanouchi, Massaki Okabe, Tatsuzo Oka, **Mohammad Saiful Islam**, Akira Yabuki, Syusaku Suzuki, Perchloric acid-soluble protein regulates the proliferation and differentiation of the mouse mammary gland during reproductive cycle, *Proceedings of 3rd International conference on polyphenols and health (ICPH)*, 32, December, 2007.
6. **Mohammad Saiful Islam**, Mitsuharu Matsumoto, Ryotaro Hidaka, Noriaki Miyoshi, Nobuhiro Yasuda, Expression of COX-2 in feline mammary tumours and their correlation with angiogenesis. *Proceedings of 18th annual conference of Bangladesh Society for Veterinary Education and Research (BSVER)*, 2012.

XII. References

1. Mitsuharu Matsumoto PhD

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