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**Dr. Md. Mosharaf Hossain
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Biographical Sketch:

Name	:	Md. Mosharaf Hossain	Date of birth	:	01-01-1983
Father's Name	:	Md. Anisur Rahaman	Nationality:	:	Bangladeshi (by birth)
Mother's Name	:	Banesa Begum	Gender	:	Male
Spouse Name	:	Rina Parvin	Religion:	:	Islam

Academic Qualification (from the highest degree):

Name of the Examination	Years Attended		Name of School/ College/ University	Year of obtaining Cert./degree	Division/Class/ CGPA
	From	To			

Ph.D.	April/2016	March/2020	Meijo University, Japan	2020	Excellent
MS in Physiology	Jan/2007	Jun/2008	Bangladesh Agricultural University	2008	3.797 out of 4
DVM (Doctor of Veterinary Medicine)	2001	2005	Bangladesh Agricultural University	2005	First
H.S.C	1997	1998	Lion Nazrul Islam College, Tangail	1999	First
S.S.C	1995	1996	Khilda High School, Tangail	1997	First

List of Scientific Publications:

Full Length Articles :(National and International)

As Associate Professor

1. H.Hossain, M.R.Islam, M.S.I. Sajib, **M.M.Hossain**, M.Begum and K.B.M.S.Islam; Prevalence of zoonotic diseases of small ruminants at Savar upazila of Dhaka district, Bangladesh. Bangladesh Journal of Agriculture 48(1), 81-91, June, 2023.
2. M.R.Islam, M.N. Zahan , H.Hossain , A.A.Maruf , M.R.Molla , M.S.I. Sajib and **M.M. Hossain**; A Cross Sectional Study on Some Aspects of Reproduction Scenario and Prevalence of Reproductive Disorders in Dairy Cattle in Bangladesh, Asian Journal of Research in Animal and Veterinary Sciences 5(3), 165-173, August 2022.
3. M. R. Islam , A. A. Maruf , M. S. I. Sajib³ and **M. M. Hossain**; Reproductive diseases and disorders of dairy cows in the Gazipur district, Bangladesh Journal of Agriculture 47(1), 95-101, August 2022.
4. **M.M. Hossain**, M. Islam, N. Nazmunahar, M.R. Islam and A.N.M.I Rahman; Prevalence and risk factors associated with clinical cases of pet animals in Dhaka city, Bangladesh, Journal of Sher-e-Bangla Agricultural University 13(1&2), 11-18, Jan &July, 2022.
5. A.N.M.I Rahman, L.Y. Asad, B.F. Amy and **M.M. Hossain**; Matrix metallo proteinases (MMPS) effect on endometrium in cyclic cows, Journal of Sher-e-Bangla Agricultural University, 13(1&2),71-76, Jan &July, 2022.
6. M.S Islam, S.K. Sarkar, **M.M. Hossain**, M.A. Masum and T. Rahman; Antidiabetic effect of aloe vera in alloxan induced diabetic rat, Journal of Sher-e-Bangla Agricultural University, 13(1&2),89-93, Jan &July, 2022.
7. **M.M. Hossain**, N. Nazmunahar, R. Akter and M. Islam; Incidence of common surgical cases in ruminants at Mirzapur upazila in Tangail district of Bangladesh, Journal of Sher-e-Bangla Agricultural University, Bangladesh Volume:13, No. 1&2, 95-101, Jan &July, 2022.
8. Md. Sadikul Islam Sajib, Md. Rashedul Islam , Marya Afrin , **Md. Mosharaf Hossain** , Kazi Rafiqul Islam and Md. Kamrul Islam; Effect of Direct Sunlight on Plasma Vitamin-D and Histo-pathological Changes in Liver, Kidney and Skin of Mice, Asian Journal of Research in Animal and Veterinary Sciences, 5(1), 40-48, February, 2022.
9. Md. Enayet Kabir, Md. Jahangir Alam, **Md. Mosharaf Hossain** and Zannatul Ferdaushi; Effect of Feeding Probiotic Fermented Rice Straw-Based Total Mixed Ration on Production, Blood Parameters and

Faecal Microbiota of Fattening Cattle, *Journal of Animal Health and Production*, 10(2), 90-97, January, 2022.

10. Farzana Yasmin, Md. Jahangir Alam¹, Md. Enayet Kabir, Abdullah Al Maruf, Md. Asraful Islam and **Md. Mosharaf Hossain**; Influence of Probiotics supplementation on Growth and Haemato-biochemical Parameters in Growing, *International Journal of Livestock Research*, 11 (6), 36-42, June, 2021.

11. **M.M. Hossain** , M.S. Islam , A.N.M.I. Rahman, M.E. Kabir and M.R. Islam; Anti-diabetogenic impact of *allium sativum* (garlic) and *Nigella Sativa* (Black cumin) on diabetic rat model, *Journal of Sher-e-Bangla Agricultural University*, 12(1), 9-13, Jan & July, 2021.

12. N. Nazmunahar, **M.M. Hossain**, and M.R. Islam; Epidemiological investigation of gastrointestinal parasites of livestock population at Mirzapur upzilla in Tangail, Bangladesh, *Journal of Sher-e-Bangla Agricultural University*12(2), 15-25, Jan & July, 2021.

13. SK Sarkar, MM Uddin, **MM Hossain**, MA Masum and MM Islam; Hematological effects of *Telakucha* (*Coccinia indica*) in alloxan Induced diabetic rats, *Research in Agriculture Livestock and Fisheries* 7(3), 431-438, January, 2021.

As Assistant Professor

14. **Md. Mosharaf Hossain** , Takamasa Tsuzuki, Kazuki Sakakibara, Fumitaka Imaizumi, Akihiro Ikegaya, Mami Inagaki, Ikuko Takahashi, Takuji Ito, Hyota Takamatsu, Atsushi Kumanogoh, Takayuki Negishi, Kazunori Yukawa. PlexinA1 is crucial for the midline crossing of callosal axons during corpus callosum development in BALB/cAJ mice. *PLoS ONE*. 2019 August 20; 14(8):e0221440.

15. **M.M. Hossain**, M Islam and MS 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*, Bangladesh, Vol.1, pp.11-18, January, 2016.

16. M Kamruzzaman, M Islam, **M.M. Hossain**, MK Hassan, MHB Kabir, MS Sabrina and MSR Khan; Isolation, characterization and antibiogram study of *pasteurella multocida* isolated from ducks of Kishoreganj district, Bangladesh; *International Journal of Animal Resources*, Bangladesh, Vol.1, pp.69-76, January, 2016.

17. S. Hasan, **M.M. Hossain**, J. Alam and M.E.R Bhuiyan; Beneficial effects of probiotic on growth performance and hematobiochemical parameters in broilers during heat stress; *International Journal of Innovation and Applied Studies*, Morocco, Vol. 10, No. 1, pp. 244-249, January, 2015.

18. S. Hasan, **M.M. Hossain**, A. Miah and M.E.R. Bhuiyan; Growth performance and hemato-biochemical parameters in broiler during high environmental temperature by the application of symbiotic; *International Journal of Innovation and Applied Studies*, Morocco, Vol.13, No.1, pp157-162, January, 2015.

19. S.Hasan, **M.M. Hossain**, A.Miah and M.E.R Bhuiyan; Influences of prebiotic on growth performance and hemato-biochemical parameters in broiler during heat stress; *Bangladesh Journal of Veterinary Medicine*, Bangladesh, Vol.12 (2), pp.121-125, December, 2014.

20. MS Islam, MK Islam, SK Das and **M.M. Hossain**; Effects of butter on blood biochemistry and histotexture of heart in development of obesity in swiss albino mice; *Bangladesh Journal of Veterinary Medicine*, Bangladesh, Vol.12 (2), pp. 203-209, December, 2014.

21. M.A. Awal, J. Alam, **M.M. Hossain** and M. Matsumoto; 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*, India, Vol. 5 (1):pp13-23, BBJ. 002, November, 2014.

As Lecturer

22. KF pariza, J Alam, MR Islam, **M.M. Hossain** and MA Awal; Investigation of hematological and biochemical profiles of anestrous zebu cows; Bangladesh Journal of Veterinary Medicine, Bangladesh, Vol.11 (19), pp.57-60, July, 2013.
23. **M.M. Hossain**, M.A Rahman, A.K Talukder and M. S Islam; Appraisal of suitability of sheep carcass in a commercial slaughter house; Journal of Sher-e-Bangla Agricultural University, Bangladesh, Vol.6, No.2, pp. 20-23, December, 2012.
24. Shodiduzzaman, **M.M. Hossain**, J.Alam and M.T. Islam; Effect of artificial insemination on pregnancy rate in cows at mymensingh district in Bangladesh; Journal of Sher-e-Bangla Agricultural University, Bangladesh, Vol.6, No.2, pp. 1-6, December, 2012.
25. **M.M. Hossain**, M.K Islam, M.A Rahman, A.K Talukder and M. Islam; Parameters of condemnation of organs and carcasses in slaughtered cattle and goats of commercial abattoir in Bangladesh; Journal of Sher-e-Bangla Agricultural University, Bangladesh, Vol. 5, No.1, pp. 35-39, January, 2011.

Curriculum Vitae of Dr. Md. Mosharaf Hossain

Employment Experiences:

- ❖ Associate Professor, Department of Anatomy, Histology and Physiology, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Since 17 March, 2020.
- ❖ Assistant Professor, Department of Anatomy, Histology and Physiology, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. From 10 April 2014 to 16 March, 2020.
- ❖ Lecturer, Department of Anatomy, Histology and Physiology, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. From 10 April, 2012 to 9 April, 2014.
- ❖ Assistant Manager (Quality Assurance), Advance Chemical Industries Ltd (ACI), Bangladesh from 6th April 2010 to 31 March, 2012.
- ❖ Meat Inspector (Senior Executive), Bengal Meat Processing Industries Ltd (BMPIL), Santhia, Pabna, Rajshahi, Bangladesh, From April 2008 to March 2010.

Subjects offered in the examinations:

<i>Doctor of Philosophy (Ph.D.) in Pharmacy</i>	<ul style="list-style-type: none">➤ Introduction to Advance Pharmaceutical Sciences, Advanced Molecular and Cellular Pathogenesis Sciences (I-IV), Advanced Pharmacotherapeutic Sciences and Advanced Health-Care English.➤ Thesis Title: Study on the Role of PlexinA1 in the Midline Crossing of Callosal Axons during the Early Phase of Corpus Callosum Development in BALB/cAJ Mice.
<i>Master of Science in Physiology</i> :	<ul style="list-style-type: none">➤ First Semester: Cell Physiology, Body Fluids and Cardiac Dynamics, Ruminant Physiology, Avian Physiology, Physiology of Vitamins and Minerals and Techniques in Physiology➤ Second Semester: Physiology of Digestion, Absorption and Metabolism, Physiology of Excretion and Ion Regulation, Endocrinology and Reproduction, Physiological Chemistry, Immuno-Physiology and Nutritional Physiology.➤ Thesis Title: Investigation of diseases in food animals

Curriculum Vitae of Dr. Md. Mosharaf Hossain

<i>Doctor of Veterinary Medicine (DVM)</i>	:	<ul style="list-style-type: none"> ➤ D.V.M Part-I: Anatomy, Histology and Embryology, Physiology-I, Biochemistry, Statistics and animal hygiene and Management ➤ D.V.M part-II: Physiology-II, Pathology-I, Parasitology-I, Microbiology-I, Animal Science-I, Animal Science-II, Comparative Anatomy and Neuro Anatomy, Surgical Anatomy and Animal Nutrition ➤ D.V.M Part-III: Pathology-II, Microbiology-II, Parasitology-II, Clinical Medicine, General Surgery and Anaesthesiology, Pharmacology, Toxicology and Genetics & Animal Breeding ➤ D.V.M part-IV: Preventive Medicine, Operative Surgery, Radiology & Soundness, Veterinary Public Health, Food Hygiene, Clinical Pathology and Necropsy, Metabolic diseases and Jurisprudence, Clinics Medicine, Clinics Surgery & Obstetrics, Obstetrics and Reproductive Diseases and Agricultural Extension
H.S.C	:	Bengali (I&II), English (I&II), Physics (I&II), Chemistry (I&II), Mathematics (I&II), Biology (I&II)
S.S.C	:	Bengali (I&II), English (I&II), General Mathematics, Higher Mathematics, Geography, General Science (I&II), Book Keeping, Religious Education.

Training or special courses or certificates obtained:

- ❖ **Workshop on Professional Profile Updating for SAU Faculty Members on SAU Website, held on 12 December, 2024.**
- ❖ **Post Doctoral Research Fellow” in the Laboratory of Physiology, Faculty of Pharmacy of , Meijo University, Nagoya , Japan. From 08 October 2023 to 31 March 2024.**
- ❖
- ❖ **Six months “Visiting Researcher” in the Laboratory of Physiology, Faculty of Pharmacy of , Meijo University, Nagoya , Japan. From 03July 2015 to 02 December 2015.**
- ❖ **Six months internship training in different Government and Non-Government Organizations and Hospitals of Bangladesh.**
- ❖ **Three months training on ERP software (SAP) by SEAL consultant (India)**
- ❖ **Three days training on “Techniques on effective Teaching methods” conducted by Outreach Program, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.**
- ❖ **Four days training on “Operation and Maintenance of Laboratory Equipment” organized by “Modernization of Animal Husbandry Lab” sub-project under Higher Education Quality Enhancement Program (HEQEP) Project, Bangladesh.**
- ❖ **Certificate of Registration as a Veterinary Practitioner from Bangladesh Veterinary Council (BVC).**

Curriculum Vitae of Dr. Md. Mosharaf Hossain

Courses taken at undergraduate level as a course instructor:

1. General Physiology 2. Systemic and Integral Physiology 3. Reproductive Physiology	4. Nutritional Physiology 5. Endocrine Physiology
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Area of research interest:

- **Neuro-Physiology**
- **Endocrine Physiology**
- **Reproductive Physiology**

Language Proficiency:

Language	Reading	Writing	Speaking
English	Very good	Very good	Very good
Bengali	Excellent	Excellent	Excellent
Japanese	Good	Good	Very good

COMPUTER LITERACY:

- ❖ **Computer operating system such as windows, spreadsheet analysis, MS excel, SPSS, Presentation with MS power point.**

Recent Scientific training / Conference / Seminar / Workshops attended:

- ❖ The One Health Dhaka conference-2013 at Spectra Convention Centre, Gulshan-1, Dhaka on 21-23 November 2013. Organization: The institute of Epidemiology, Disease Control and Research (IEDCR) in collaboration with Massey University, New Zealand, One Health Bangladesh & Food and Agriculture Organization (FAO). Theme: Institutionalizing One Health Approach in Bangladesh: A New Imperative for Health and Well-being.
- ❖ Workshop on Impact of herbs supplementation in livestock and poultry ration at Sher-e-Bangla Agricultural University (SAU), Dhaka-1207, Bangladesh on 06 July 2013. Organization: “Modernization of Animal Husbandry Lab” sub-project under Higher Education Quality Enhancement Program (HEQEP) Project, Bangladesh.
- ❖ Seminar on World Veterinary Day 2013 in Bangladesh on 27 April, 2013 at Dhaka, Bangladesh. Organization: The Vet Executive, Bangladesh. Theme: Vaccination to prevent and protection.
- ❖ 1st Annual Veterinary Microbiology and Public Health Conference in Bangladesh at Department of Microbiology and Hygiene, Bangladesh Agricultural University (BAU), Mymensingh-2202, Bangladesh on 19 May 2012. Organization: Bangladesh Society of Veterinary Microbiology and Public Health (BSVMPH). Theme: Current Trends in Veterinary Microbes and Public Health.

Curriculum Vitae of Dr. Md. Mosharaf Hossain

- ❖ Attended 18th annual conference of Bangladesh Society for Veterinary Education and Research (BSVER) organized by Bangladesh Agricultural University, Bangladesh, February 18-19, 2012.
- ❖ Md. Mosharaf Hossain, Takuji Ito, Takayuki Negishi, Kenji Yoshida and Kazunori Yukawa- “Plexin-A1 is crucial for developmental neuronal death in cerebellum”, The 7th Nagoya/ Nanjing/ Shenyang Symposium of Pharmaceutical Sciences, Nagoya, Japan, 0-6, 24th September, 2016.
- ❖ Md. Mosharaf Hossain, Kazunori Yukawa, Akihiro Ikegaya, Mami Nagahama, Hideaki Kinjo, Kazuki Sakakibara, Mami Inagaki, Fumitaka Imaizumi, Takayuki Negishi “The role of PlexinA1 receptor in the pioneer axonal extension and the guidepost formation during the early phase of corpus callosum development” the 94th Annual Meeting of the Physiological Society of Japan, Hamamatsu, Japan, IP-086, March 28, 2017.
- ❖ Md. Mosharaf Hossain, Fumitaka Imaizumi, Ikuko Takahashi, Takayuki Negishi and Kazunori Yukawa “Mapping the localization of semaphorins and semaphorin binding partners in the mouse cortical midline during corpus callosum development” Society of Molecular Biology, Japan (ConBio2017). IP3-1182, December 8, 2017.
- ❖ Md. Mosharaf Hossain, Kazunori Yukawa, Akihiro Ikegaya, Mami Nagahama, Hideaki Kinjo, Kazuki Sakakibara, Mami Inagaki, Fumitaka Imaizumi, Takayuki Negishi “The role of Plexin-A1 receptor in the guidance of cingulate pioneering axons during the corpus callosum development”. Society for Neuroscience (SfN), November 11-15, 2017, Washington DC, USA.
- ❖ Md. Mosharaf Hossain, Akihiro Ikegaya, Mami Nagahama, Hideaki Kinjo, Kazuki Sakakibara, Mami Inagaki, Fumitaka Imaizumi, Takayuki Negishi, Kazunori Yukawa “Plexin- A1 is crucial for the midline crossing of cingulate axons during the formation of Corpus Callosum”. Society for Neuroscience (SfN), November 3-7, 2018, San Diego, California, USA.

Professional Membership:

- ❖ Bangladesh Veterinary Association.
- ❖ Bangladesh Veterinary Council.
- ❖ Bangladesh Society for Veterinary Education and Research.
- ❖ Bangladesh Society of Agriculturist.
- ❖ Hubnet One Health Network, South Asia.

Curriculum Vitae of Dr. Md. Mosharaf Hossain

References:

M. Kamrul Islam, PhD Professor Department of Physiology Faculty of Veterinary Science Bangladesh Agricultural University Mymensingh-2202, Bangladesh e-mail:k_islam88@yahoo.co.in	Dr. Emdadul Haque Chowdhury Professor Department of Pathology Faculty of Veterinary science Bangladesh Agricultural University Mymensingh-2202, Bangladesh e-mail:emdad001@yahoo.com
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Yours faithfully,



Dr. Md. Mosharaf Hossain

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