

CURRICULUM VITAE OF DR. MD. AKHTAR HOSSAIN

1. Name : **Dr. Md. Akhtar Hossain**
2. Father's name : Late Abul Hossain
3. Mother's name : Late Bhagirun Nessa
4. Date of birth : 30 April 1953

5. Present address : Professor
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7. Nationality : Bangladeshi

8. Marital status : Married

9. Academic Qualifications:

Institute	Degree	Year	Class	Position
Bangladesh Agricultural University Mymensingh	DVM (Doctor of Vet Medicine)	1974	First	First
- Do -	M Sc Vet Sc	1975	First	First
University of Edinburgh U.K.	PhD	1984	-	-

10. Teaching Experience:

Position	From	To
1. Lecturer	28.4.1976	24.5.1979
2. Assistant Professor	25.5.1979	6.8.1986
3. Associate Professor	7.8.1986	10.11.1992
4. Professor	11.11.1992	To-date

11. Academic and Administrative Experience:

- (i) **Head**, Department of Surgery and Obstetrics, Bangladesh Agricultural University, Mymensingh for 3 terms of 2 years duration each (8/5/88 – 7/5/90, 1/4/94 – 31/3/96, 1/4/04 – 31/03/06).
- (ii) **Provost**, Shaheed Shamsul Hoque Hall, Bangladesh Agricultural University, Mymensingh for 2 years (25/11/96 – 24/11/98).
- (iii) **Director**, Bangladesh Agricultural University Veterinary Clinic for 2 years (07/12/99 – 6/12/2001).
- (iv) **Dean**, Faculty of Veterinary Science, Bangladesh Agricultural University for 2 years (20/08/2006 – 19/8/2008).
- (v) **Vice-Chancellor**, Bangladesh Agricultural University, Mymensingh for about 6 months (21/05/ 2008 – 13/11/ 2008).
- (vi) **Syndicate member**, Bangladesh Agricultural University, Mymensingh from August 2006 – January 2007.
- (vii) **Syndicate member**, Sylhet Agricultural University for 2 years (29 March 2007 – 28 March 2009)
- (viii) **Syndicate member**, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur from 21 May 2008 – 13 November 2008.
- (ix) **Syndicate member**, Chittagong Veterinary and Animal Sciences University, Chittagong from 20 June 2009 – date
- (x) **Member, Board of Governors**, Poultry Research and Training Institute, Chittagong Veterinary and Animal Sciences University, Chittagong from September/11 – date

12. Professional Membership and Positions Held:

- (i) **President**, Bangladesh Society for Veterinary Education and Research from 2008 – to date
- (ii) **Member, Advisory Committee** ‘Ganotantrik Shikkhok Forum’ (Pro-liberation). Bangladesh Agricultural University, Mymensingh from 2011- date
- (iii) **Member**, ‘Bangabandhu Shikkha O Gobeshona Parishad’ National Committee from March 2010 – date
- (vi) **General Secretary**, ‘Ganotantrik Shikkhok Forum’ (Pro-liberation). Bangladesh Agricultural University, Mymensingh from 2000 – 2001
- (v) **Member**, National Pay Commission – 2008 (Gazette 31-08-2008)
- (vi) **President**, Bangladesh Veterinary Association from 1994 – 1995
- (vii) **Senior Vice-President**, Bangladesh Veterinary Association from 1992 – 1993
- (viii) **Senior Vice-President**, Bangladesh Association for the Advancement of Science (National Committee) from 1994 – 1996.
- (ix) **General Secretary**, Bangladesh Animal Health Society from 1986 – date
- (x) **Joint Secretary**, Bangladesh Association for the Advancement of Science (National Committee) from 1990 – 1991.
- (xi) **General Secretary**, Bangladesh Association for the Advancement of Science, Local Chapter, Mymensingh from 1978 – 1981 and from 1985 – 1989.
- (xii) **Member**, Association of Veterinary Anaesthetists of Great Britain and Ireland from 1981 – 1984.
- (xiii) **Member**, Association of Veterinary Teachers and Research Workers in Scotland from 1981 – 1984.
- (xiv) **Executive member**, Bangladesh Society for Veterinary Education and Research (1995 – 1996).
- (xv) **Editor** of a Journal ‘ The Bangladesh Veterinarian’ from 1998 – 2001

13. Research Experience:

A. Scientific publications (61)

1. **Hossain MA** and Hoque MA 1978. Relationship of blood calcium and inorganic phosphorus with urolithiasis in Black Bengal goats. *Bangladesh Veterinary Journal* 13 (1 – 4) : 1 – 6.
2. **Hossain MA**, Samad MA and Hoque MA 1979. Clinicopathological report on urethral rupture in a Jamunapuri goat. *Bangladesh Veterinary Journal* 13 (1- 2) : 47 –51.
3. **Hossain MA**, Sen MM and Rahman MA 1980. Teratology – Newborn calf with a supernumerary limb and atresia ani (A case report). *Veterinary Medical Review* 2 : 178 –179.
4. Ali MA, **Hossain MA**, Rahman MA and Ahmed JU 1980. Congenital umbilical-cum-ventral hernia in a calf – A case report. *Bangladesh Veterinary Journal* 14 (3) : 41 –42.
5. **Hossain MA** and Camburn MA 1983. Reflux, regurgitation and oesophageal activity in anaesthetized sheep. *Proceedings of the Association of Veterinary Anaesthetists of GB & Ireland* 11 : 190 – 199.
6. **Hossain MA** and Camburn MA 1984. The influence of different anaesthetic agents on the reflux of rumen contents and oesophageal and rumen functions in anaesthetized sheep. *Journal of the Association of Veterinary Anaesthetists of GB & Ireland* 12 : 107 –114.
7. **Hossain MA** and Ali MA 1984. Ovario-hysterectomy in a complicated canine caesarean section – a case report. *Bangladesh Veterinary Journal* 18 (1-4) : 67 –68.
8. Ali MA and **Hossain MA** 1985. Studies on ruminal fistulations in cattle, buffaloes and sheep. *Bangladesh Journal of Animal Sciences* 14 (1) : 1 – 6.
9. **Hossain MA**, Ali MA and Hashim MA 1985. Uterine prolapse in a doe. *Bangladesh Veterinarian* 2 (1-2) : 3 –4.
10. **Hossain MA** and Alam MGS 1986. Complete urinary stasis associated with ascites in a kid. *Bangladesh Veterinarian* 3 (1-2) : 6-7.
11. Ali MA and **Hossain MA** 1986. A newborn calf with two supernumerary limbs and atresia ani. *Indian Veterinary Journal* 63 : 872.
12. Motalib MA, Das JG and **Hossain MA** 1986. Death in a bullock associated with ventral hernia operation. *Bangladesh Veterinary Journal* 20 (1-2) : 101 – 103.
13. **Hossain MA**, Shahidullah M and Ali MA 1986. A report on surgical diseases recorded at the veterinary hospital of Bangladesh Agricultural University, Mymensingh. *Bangladesh Veterinary Journal* 20 (3-4) :1- 5.
14. **Hossain MA** 1987. Effects of starvation on intraruminal pressure built up in anaesthetized sheep. *Indian Veterinary Journal* 64 : 956-960.
15. **Hossain MA** 1987. Modified technique of rumen fistulation in sheep. *Bangladesh Veterinarian* 4 (1-2) : 18 – 21.
16. **Hossain MA** 1987. Regurgitation in the ruminants. *Bangladesh Veterinarian* 4 (1-2) : 39 – 43.

17. **Hossain MA** 1987. Shock in a goat associated with paravertebral anaesthesia – a case report. *Bangladesh Veterinary Journal* 21 (1-2) : 91-92.
18. Hoque MA and **Hossain MA** 1988. Incidence of upward fixation of patella in cattle of Mymensingh district. *Bangladesh Veterinarian* 5 (1) : 29-31.
19. **Hossain MA** 1988. Responses of the oesophagus and lower oesophageal sphincter to induced stimuli in anaesthetized sheep. *Bangladesh Veterinarian* 5 (1) : 32 – 38.
20. **Hossain MA** 1988. An electromyographic study of the activities of the oesophagus, gastro-oesophageal junction and reticulorumen in anaesthetized sheep. *Bangladesh Veterinarian* 5 (2) : 63 – 66.
21. **Hossain MA**, Cottrel DF, Camburn MA and Campbell JR 1988. Motility of the oesophagus and gastro-oesophageal junction during halothane anaesthesia in sheep. *Veterinary Research Communications* 12 : 417-430.
22. **Hossain MA**, Cottrel DF, Camburn MA and Campbell JR 1988. Gastro-oesophageal reflux in halothane anaesthetized sheep. The effects of feeding and positioning. *Veterinary Research Communications* 12: 227 – 232.
23. **Hossain MA** 1989. A review on eructation in the ruminants. *Livestock Adviser* 14 (7) : 19-24.
24. **Hossain MA** and Hoque MA 1989. Medial patellar desmotomy in bovine upward patellar fixation. *Bangladesh Veterinarian* 6 (1) : 14 -16.
25. **Hossain MA** and Shahriari P 1989. Effects of certain anaesthetic agents on haematological parameters in Black Bengal goats. *Bangladesh Veterinarian* 6 (2) : 41 - 45.
26. Hashim, MA and **Hossain MA** 1989. Effects of starvation and positioning on gastro-oesophageal reflux in anaesthetized goat during chloral hydrate-magnesium sulphate anaesthesia. *Bangladesh Journal of Scientific and Industrial Research* 24 (1-4) : 62 – 69.
27. **Hossain MA** 1989. Influence of pentagastrin, atropine and propranolol on lower oesophageal sphincter pressure in anaesthetized sheep. *Bangladesh Veterinary Journal* 23 (1-4) : 83-90.
28. Yeasmin F, **Hossain MA** and Bari ASM 1989. Clinical and haematological studies on experimentally induced wound in the goat. *Bangladesh Veterinary Journal*
29. **Hossain MA** 1990. General anaesthesia in sheep: a review. *Livestock Adviser* 15 (7) : 27 – 31.
30. **Hossain MA** 1990. Intraluminal pressure of rumen and lower oesophageal sphincter in anaesthetized sheep. *Bangladesh Journal of Agricultural Sciences* 17(1): 133-139.
31. **Hossain MA** and Karmaker BC 1990. Evaluation of some intravenous anaesthetics in dogs. *Bangladesh Veterinarian* 7 (1) : 31-36.
32. **Hossain MA** 1991. Incidence of gid disease in goats. *Bangladesh Veterinarian* 8 (1-2):14 - 17.
33. **Hossain MA**, Hai MA and Bari ASM 1992. Evaluation of indigenous herbal plants in the treatment of external wounds. *Bangladesh Veterinarian* 9 (1-2): 55-60.
34. **Hossain MA** 1993. Evaluation of surgical treatment of gid disease in goats. *Bangladesh Journal of Scientific Research* 11(2) : 163-166.
35. Yeasmin F, **Hossain MA** and Bari ASM (1993). Morphological changes of wound healing in Black Bengal goats. *Bangladesh Veterinarian* 10 (1-2) : 37-42.

36. Rahmen MM, Rahman MA, Alam MGS and **Hossain MA** 1994. Operative management of dystokia in a cow. *Bangladesh Veterinary Journal* 28 (1-4) : 79-82.
37. Barik MA, **Hossain MA** and Rahman MM 1994. Effects of certain anaesthetics on haematological parameters in dogs. *Bangladesh Veterinarian* 10 (1-2) : 54-61.
38. Hoque MF, **Hossain MA** and Yeasmin F 1995. Evaluation of skin excision method in the treatment of stephenofilariasis (humpsore) in cattle. *Bangladesh Journal of Training and Development* 8 (1) : 103 - 107.
39. Hai MA, **Hossain MA** and Rahman MM 1996. Effects of certain general anaesthetics on clinical and haematological parameters in dogs. *Bangladesh Veterinary Journal* 30 (1-2): 47 - 50.
40. Rahman MM, **Hossain MA** and Rahman MM 1997. Evaluation of certain combinations of xylazine and ketamine anaesthetic agents on physiological parameters in dogs. *Bangladesh Veterinary Journal* 31(3-4): 99 - 104.
41. Dutt BK, **Hossain MA** and Rahman MM 1998. Evaluation of some injectable sedatives and anaesthetics in the rabbit. *Bangladesh Veterinarian* 15 (1-2): 13-17.
42. Ghosh PK, **Hossain MA** and Rahman MM 1998. Further observation on clinico-pathological changes due to coenurosis in goats. *Bangladesh Veterinarian* 15 (1-2): 33-3
43. Khan MAHNA, Bhuiyan MMU, Hashim MA, **Hossain MA** and Mohammed D 1998. Fibro-sarcoma in the horn of a spotted deer. *Indian Journal of Veterinary Pathology* 22 (2): 159-160.
44. Rahman MM and **Hossain MA** 1999. Effects of feeds and feed additives on urolithiasis in goats. *Bangladesh Veterinarian* 16 (1): 6-11.
45. Sufiun, MA and **Hossain MA** 1999. Keeping quality of stored bovine blood with acid citrate dextrose (ACD) and citrate phosphate dextrose (CPD). *Bangladesh Veterinarian* 16 (2): 63-66.
46. Sutradhar BC, **Hossain MA** and Alam MR 2000. Incidence of bloat and its response to certain drugs in cattle. *Bangladesh Veterinarian* 17 (1) : 37-41.
47. Osmani TABMMG, **Hossain MA**, Rahman MM and Alam MR 2000. Corneal opacity in cattle: Prevalence and therapeutic evaluation of certain drugs. *Bangladesh Veterinarian* 17 (1): 42-45.
48. Alam MR, **Hossain MA** and Rahman MM 2000. Effects of plasma transfusion on various haematobiochemical parameters in calves. *Bangladesh Veterinarian* 17 (2): 78-84.
49. Das BC, **Hossain MA** and Alam MR 2000. Assessment of certain drugs for euthanasia in indigenous dogs. *Bangladesh Veterinarian* 17(2) : 95-99.
50. Rahman MM, Biswas D and **Hossain MA** 2001. Occurrence of umbilical hernia and comparative efficacy of different suture materials and techniques for its correction in calves. *Pakistan Journal of Biological Sciences* 4 (8) : 1026-1028.
51. Sufiun MA, **Hossain MA** and Aziz SA 2001. Effects of blood transfusion in calves. *Bangladesh Veterinarian* 18 (1) : 9-13.
52. Rahman MM, **Hossain MA**, Alam MR and Hashim MA (2003). Influence of dams' blood transfusion on various hematobiochemical parameters in recipient calves. *Bangladesh Veterinarian* 20(1) : 56-63.
53. Alam MR, **Hossain MA** and Alam MGS 2003. Management of thromboembolic colic in a horse. *Bangladesh Veterinarian* 20 (1): 77-79.

54. Saha D, **Hossain MA** and Juyena NS 2006. Clinical management and control of clinical and induced bloat in cattle. *Bangladesh Veterinarian*. 239 (2) : 70 – 78.
55. Runa RA, Hashim MA, **Hossain MA**, Bhuyan AAM and Alam MGS 2006. Comparative efficacy of analgesic and anaesthetic drugs for high epidural analgesia in Black Bengal goats. *Bangladesh Journal of Veterinary Medicine* 6 (1) : 103 – 106.
56. Shah MK, Hashim MA and **Hossain MA** (2007). Assessment and recognition of pain. *The Blue Cross*. 9: 40-45.
57. Matin SMA, **Hossain MA** and Hashim MA 2009. Clove oil anaesthesia in singhi (*Heteropneustes fossilis*) and lata (*Channa punctatus*) fish. *Bangladesh Veterinarian* 26 (2) : 68-73.
58. Shah MK, Hashim MA and **Hossain MA** 2009. Abstract: Pain assessment using various local anaesthetics in Black Bengal goats undergoing rumenotomy. A Hand Book: 10th world congress of veterinary anaesthesia (31 August - 4 September 2009. Glasgow, UK. P:158.
59. Shah M.K., Singh S., Hashim MA and **Hossain, M A** 2009. Definition, description and pathophysiology of pain. *The Blue Cross* 10: 47-51.
60. Rahman, MA, Hossain, MA and Alam, MR 2009. Clinical evaluation of different treatment regimes for management of myiasis in cattle. *Bangladesh Journal of Veterinary Medicine* 7(2): 348-352.
61. Shah MK, Hashim MA and **Hossain MA** 2010. Postoperative pain an enigma and its proper management. *The Blue Cross* 11: 5-11.

13 B. Popular Publications (7)

- ১) ড: মো: আখতার হোসেন (২০১০) | ঢাকা চিড়িয়াখানা : পবনতারার মৃত্যু ও একটি পর্যালোচনা | দৈনিক সমকাল, ২৩ আগস্ট |
- ২) ড: মো: আখতার হোসেন (২০১০) | ঢাকা চিড়িয়াখানায় বিনোদন পার্ক - প্রাণী ব্যবস্থাপনা | দৈনিক সমকাল, ১৯ সেপ্টেম্বর |
- ৩) ড: মো: আখতার হোসেন (২০১০) | এনথ্রাক্স : মাঠ পর্যায়ের সীমাবদ্ধতা - চিকিত্সা ব্যবস্থা | দৈনিক সমকাল, ৩০ সেপ্টেম্বর |
- ৪) ড: মো: আখতার হোসেন (২০১০) | জলাতঙ্ক - অবশেষে কুকুর বন্ধাত্বকরণ | দৈনিক সমকাল, ১৩ অক্টোবর |
- ৫) ড: মো: আখতার হোসেন (২০১০) | প্রাণী সম্পদ - পোল্ট্রি শিল্পেও সিল্ডিকেট | দৈনিক সমকাল, ১৪ নভেম্বর |

৬) ড: মো: আখতার হোসেন (২০১০) | পরিবেশ - জলবায়ু পরিবর্তনের প্রভাব | দৈনিক
সমকাল, ২৮ নভেম্বর |

৭) ড: মো: আখতার হোসেন (২০১০) | বাঘ সম্মেলন - আন্তরিক হতে হবে আগে | দৈনিক
সমকাল, ২৩ ডিসেম্বর |

13 C. Masters' Theses Supervised

- (i) Effects of managerial practices on regurgitation in anaesthetised goats (1987).
- (ii) Effects of certain anaesthetic agents on haematological parameters in Black Bengal goats (1988).
- (iii) Clinical evaluation of intravenous anaesthetic agents in dogs (1989).
- (iv) Effects of certain general anaesthetics on haematological parameters in dogs (1992).
- (v) Wound healing in Black Bengal goats (1992).
- (vi) Effects of certain general anaesthetics on clinical and haematological parameters in cats (1993).
- (vii) Managerial and biochemical studies on urolithiasis in goats (1995).
- (viii) Clinico-pathological study of gid disease in goats (1996).
- (ix) Studies on injectable anaesthetics in rabbits (1996).
- (x) Effects of various anaesthetic agents on clinical and haematological parameters in dogs (1996).
- (xi) Evaluation of certain injectable anaesthetics in horses (1999)
- (xii) Studies on corneal opacity in cattle (1999).
- (xiii) Storage of bovine blood for transfusion (1999).
- (xiv) Effects of blood transfusion on haematological parameters in calves (1999)
- (xv) Effects of plasma transfusion on various haematological parameters in calves (2000)
- (xvi) Transfusion of blood from dams to calves (2000)
- (xvii) Field Application of integrated fluid therapy for the improvement of calf health (2003)
- (xviii) Studies on umbilical hernia in calves (2005)
- (xix) Effects of sodium bicarbonate on induced lactic acidosis in goats (2005)

- (xx) Epidemiology and control of bloat in cattle (2006)
- (xxi) Clinical evaluation of different field methods in the treatment of myiasis in cattle (2007)
- (xxii) Effects of premedicants and paravertebral anaesthesia on clinical parameters and rumen motility in cattle (2007)
- (xxiii) Epidemiology of foot diseases in cattle (2011)
- (xxiv) Lidocaine hydrochloride in fish (2011)
- (xxv) Evaluation of different premedicants in canine anaesthesia (2011)

13 D. *Completed Research Projects*

- (i) Studies on upward patellar fixation in cattle of Mymensingh district – funded by University Grants Commission (1988).
- (ii) Studies on gid disease in goats – funded by Bangladesh Agricultural University Research System and Bangladesh Agricultural Research Council (1991).
- (iii) Evaluation of indigenous medicinal plants in the treatment of external wounds – financed by Bangladesh University Grants Commission (1992).
- (iv) Studies on urolithiasis in goats – financed by Bangladesh Agricultural University Research System and Bangladesh Agricultural Research Council (1995).
- (v) Improvement of calf health through blood transfusion – financed by Bangladesh Agricultural University Research System (1999).
- (vi) Control of calf mortality through plasma transfusion - financed by the Ministry of Science and Technology (2001)
- (vii) Field application of integrated fluid therapy for the improvement of calf health - financed by the Ministry of Science and Technology (2002)
- (viii) Epidemiology and control of bloat in cattle – funded by University Grants Commission (2006).

13 E. *Research Reports and Seminar/Workshop papers*

1. Hossain, M.A. and Camburn, M.A. (1983). Reflux, regurgitation and oesophageal activity in anaesthetized sheep. Presented at the Autumn meeting of the Association of Veterinary Anaesthetists of Great Britain and Ireland and held at the Veterinary Field Station of Royal (Dick) School of Veterinary Studies, University of Edinburgh, U.K.
2. Hossain, M.A. and Camburn, M.A. (1984). The influence of different anaesthetic agents on the reflux of rumen contents and oesophageal and rumen functions in anaesthetized sheep. Presented at the spring meeting of the A.V.A. of G.B. and Ireland and held at the Veterinary Field Station of Bristol Veterinary School, U.K.
3. Camburn, M.A. and Hossain, M.A. (1984). Different patterns of oesophageal activity in anaesthetized sheep. Presented at the 15th Congress of the European Society of Veterinary Surgery and held in Burn, Switzerland.
4. Hossain, M.A. (1985). A manometric study of the activities of the oesophagus, lower oesophageal sphincter and rumen in halothane anaesthetized sheep. Presented at the 10th Annual Bangladesh Science Conference held in Dhaka, Bangladesh.
5. Hossain, M.A. (1990). Studies on bovine upward patellar fixation. Bangladesh Agricultural University Research Progress. Proceedings No. 4 : 183 – 188.
6. Hossain, M.A. and Shahriari, P. (1990). Haematological studies of certain intravenous anaesthetics in goats. Presented at the 15th Annual Bangladesh Science Conference held at Savar, Dhaka.
7. Hossain, M.A. (1991). Incidence of gid disease in goats. Bangladesh Agricultural University Research Progress. Proceedings No. 5 : 309 – 313.
8. Yeasmin, F., Hossain, M.A. and Bari, A.S.M. (1991). Studies on the experimentally induced wound healing. Presented at the 16th Annual Bangladesh Science Conference, held in Dhaka.
9. Hossain, M.A. (1992) Gid disease in goats. Presented at the 17th Annual Bangladesh Science Conference held at IPSA, Gazipur.
10. Yeasmin, F., Hossain, M.A. and Bari, A.S.M. (1992). Histo-pathological studies of wound healing in goat. Presented at the 17th Annual Bangladesh Science Conference held at IPSA, Gazipur.
11. Hossain, M.A. (1995). Status of veterinary education in Bangladesh. Presented at the Commonwealth Regional Veterinary Conference held in Dhaka.

13 F. *Books/Edited Proceedings*

- (i) Hossain, M. A., Rahman, A. N. M. A and Ahmed, S. (1997). Diseases of Domestic Animals and their remedies. School of Agriculture and Rural Development, Bangladesh Open University, Gazipur.
- (ii) Hossain, M.A. (1988). Agricultural Education and Research. National Seminar organized by Bangladesh Association for the Advancement of Science, Local Chapter, Mymensingh.
- (iii) Mollah, A.R. and Hossain, M.A. (1988). Food and Agriculture in Bangladesh. National Seminar organized by Bangladesh Krishibid Institution, Local Chapter, Mymensingh.

(Dr. Md. Akhtar Hossain)