



### Assistant Professor (Animal Husbandry)

School of Agriculture and Rural Development (SARD)  
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### Area of Specialization and Research Interest

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Animal Science, Animal Breeding, Genetics & Reproductive Biotechnology

### Education Qualification

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- Ph.D. in Animal Genetics, Breeding and Reproduction (3 years), College of Animal Science and Technology, China Agricultural University, Beijing, China (September 2009 to July 2012)
- Elementary Chinese Language Course, Beijing Language and Culture University, Beijing, China (September 2008 to July 2009)
- M.S. in Animal Science (1 and half years), Bangladesh Agricultural University, Mymensingh, Bangladesh. (2006 to 2007), **(CGPA 3.695 out of 4.0)**
- B.Sc. in Animal Husbandry (4 Years), Bangladesh Agricultural University, Mymensingh, Bangladesh. 2000. **First Class**
- Higher Secondary School Certificate (**HSC**) Examination, Dhaka Board, 1995, **First Division with Star**
- Secondary School Certificate (**SSC**) Examination, Dhaka Board, 1993, **First Division with Star**

### Professional Experience

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- March 2016 ~ to date: **Assistant Professor**, Animal Husbandry Discipline, SARD, BOU, Gazipur.
- Nov. 2013 ~ Feb. 2016: **Lecturer**, Animal Husbandry Discipline, SARD, BOU, Gazipur.
- Dec. 2012 ~ Nov. 2013: **Senior Scientific Officer**, Lal Teer Livestock Limited, Dhaka, Bangladesh.
- June 2005 ~ June 2008: **Area Sales Manager**, Bengal Overseas Limited (Exclusive Distributor: Intervet International B.V. the Netherlands), Dhaka, Bangladesh.
- July 2002 ~ May 2005: **Production Officer**, Aftab Bahumukhi Farms Limited, Bhagalpur, Bajitpur, Kishoregonj, Bangladesh.

### Publications / Scientific Papers

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- M.A. Hamid**, A. Rahman, M.A. Zaman and K.M. Hossain. Cattle Genetic Resources and their Conservation in Bangladesh. Asian J. Anim. Sci., **2017**, 11(2): 54-64.
- M.A. Hamid**, M.A. Zaman, A. Rahman and K.M. Hossain. Buffalo Genetic Resources and their Conservation in Bangladesh. Res. J. Vet. Sci., **2017**, 10 (1): 1-13.
- M.A. Hamid**, M.A. Rahman, S. Ahmed and K.M. Hossain. Status of Poultry Industry in Bangladesh and the Role of Private Sector for its Development. Asian J. Poult. Sci., **2017**, 11(1): 1-13.
- Zaman M.A, Ara A, Haque M.N and **Hamid M.A.** Chemical quality and economic status of dahi available in Sylhet city. International Journal of Natural Sciences, **2016**, 6(2): 75-78.
- M.A. Hamid**, M. N. A. Siddiky, M. A. Rahman and K. M. Hossain. Scopes and Opportunities of Buffalo Farming in Bangladesh. SAARC J. Agri., **2016**, 14(2): 63-77.

vi. **M.A. Hamid**, S. Ahmed, M.A. Rahman and K.M. Hossain. Status of Buffalo Production in Bangladesh Compared to SAARC Countries. *Asian J. Anim. Sci.*, **2016**, 10(6): 313-329

vii. **M.A. Hamid**, S. Ahmed, M.A. Rahman and K.M. Hossain. Dairy Industry in Bangladesh: Present Scenario, Major Constraints and Strategies for Development. *Bangladesh Open University Journal*, **2016**, Vol. 3 (1): 17-43

viii. M.N.H. Sarker, N. Sultana, **M. A. Hamid**, S. Sultana and A Rahman. Physio-Chemical Properties of Buffalo Milk Pudding Developed with Different Level of Egg. *International Journal of Animal Resources*, **2016**, 1 (2): 55-62.

ix. **M A Hamid** and K M Hossain. Role of private sector in the development of dairy industry in Bangladesh. *Livestock Research for Rural Development*, **2014**, 26 (10)

x. **M A Hamid**, Wang Xi, Ding Xiangdong, Wang Chuduan and Zhao X. Measurement of trimethylamine concentration and evaluation of pig meat natural quality by spectrophotometric method. *Front. Agr. Sci. Eng.* **2014**, 1 (3): 236-241

xi. Wang, X., Li, H., **Hamid, M.A.** and Zhao, X. Detecting Splicing Variants of FoxP2 and its Protein Expression in Chicken Brain. *Asian J. Ani. Vet. Adv.*, **2012**, 7(8): 702-709

xii. Wang, X., Li, H., **Hamid, M.A.** and Zhao, X. Differential expression of Forkhead box protein 2 between genders in chickens. *African Journal of Biotechnology*, **2012**, 11(58): 12153-12157

xiii. **Hamid, M. A.**, Wang, X. and Zhao X. 2012. Genotyping of flavin-containing mono-oxygenase 3 (FMO3) gene by polymerase chain reaction-restriction fragment length polymorphism (PCR-RFLP) and mismatch amplification mutation assay (MAMA-PCR) in chicken. *African Journal of Biotechnology*, 11(7): 1823-1828.

xiv. **Hamid, M. A.**, Akhter, S., Rahman, S.M.E. and Khan, M. 2008. "Effect of Age and Wholesale Cuts on the Quality of Indigenous Sheep Carcass". *Bangladesh Journal of Animal Science*, 37 (1): 32-38.

**Seminar Paper/s:**

i. **M. A. Hamid**. Commercial buffalo production, a prospective livestock industry for Bangladesh. Proceedings of the 1st GCSTMR Congress, 4-5 February **2017**, Dhaka, Bangladesh. p: 45 (Abstract)

**Project Work/s:**

i. Completed a research work title as "Prospect for Developing Improved Technique for Proper Heat Detection and Accurate Breeding Time for Sustainable Buffalo Production in Bangladesh" as Chief Researcher funded by Bangladesh Open University.

ii. Running a research work title as "Study Learners' Profile and Learning Problems of BAgEd Program in the Haor and Hilly areas of Bangladesh" as Chief Researcher funded by Bangladesh Open University.

**List of Video and Audio Programs**

**উদ্ভিদ/মিষ্ণু/মিষ্ণু/মিষ্ণু**

1. eKbr er Mvxi Mi g nI qri j yY I Ki Yiq Ges KuI g cRbb
2. cRbb I w evQvBtqi wbgvej x, Dnvi hZ, e'e'rcbr I cI wZ
3. wef` kx Dbz RvZi Mi ai `enkó"
4. gwnI cij tbi j aZ; I cQvRbixZv
5. gwnI i RvZ I `enkó"
6. evQv i cwi PhI I eim`vb e'e'rcbr
7. evQv i Lv` e'e'rcbr
8. QMij i eim`vb, cwi PhI I Lv` e'e'rcbr
9. Mvxi Mfv@`v wYq
10. Mvxi MfRvj xb, ctheKvj xb I cthtevEi hZel cwi PhI

11. *umtgb ev exh wK ev KvtK etj ? Kwlg Dcvtq exh msMni cxiZ Ges Kwlg Dcvtq exhmsMni mgq KiYiq*
12. *Kwlg Dcvtq msMpxZ exthP gj-vqb, YMZgvb cixyviKiY, cluqirvZKiY I msiyy*
13. *Mvfxi cRbbZs,*
14. *`y Lvgvi e'e-vcbr Ges `yeZi evQij cij b*
15. *Ithoi cRbbZs,*
16. *`y Lvgvi -vcfb Mvfxi ubeiPb*
17. *wefbarvtZi gjmMi cwi iPiZ (ce<sup>6</sup>- 2)*
18. *`y Lvgviti i `bw`b Kivh@j x*
19. *`gt`vnb I `gt`vntbi cxiZ; `gmsMh, msiyy I evRiRvZKiY*
20. *`y Lvgvi -vcfb cKí clqab Ges `y Lvgviti tiKWmsiyy I e'e-vcbr*
21. *wefbarvtZi gjmMi cwi iPiZ (ce<sup>6</sup>- 1)*
22. *gjMx cij b cxiZ*
23. *nun cij b cxiZ*

### teZvi/Am/I Abyb

1. *RvZ Dbqtbi Df'k" I cxiZ*
2. *evQvB minvh"Kvix Ges mgvMg ev cRbb cxiZ*
3. *`y Lvgvi -vcfb clugK KiYiq*
4. *Mvfxi tikb Ges Lv" msiyy I e'e-vcbr*
5. *`y Lvgvi e'e-vcbr*
6. *`gt`vnb I `gt`vntbi cxiZ; `gmsMh, msiyy I evRiRvZKiY*
7. *`y Lvgvi -vcfb cKí clqab Ges `y Lvgviti tiKWmsiyy I e'e-vcbr*
8. *wefbarvtZi gjMxi cwi iPiZ*
9. *wefbarvtZi nqmi cwi iPiZ*
10. *wefbarvtZi tKvtqj I Kezi cwi iPiZ*
11. *gjMxi cij b cxiZ*
12. *nun cij b cxiZ*
13. *gjMx evQvB I QvUvB Ges tVvU KvUvtbv*
14. *wefbarvtZi i vRvntmi cwi iPiZ*
15. *wefbarvtZi wMbdvDj cwi iPiZ Ges wMbdvDj cij b e'e-vcbr*
16. *nun-gjMxi evm -vb*
17. *i vRnun cij b I e'e-vcbr*
18. *gjMxi Lvgviti i Rb" -vb wbePb Ges etj vi Lvgvi cwi Kí br I -vcb*
19. *nun-gjMxi Lv" e'e-vcbr*
20. *tKvtqj cij b I e'e-vcbr*
21. *tKvtqji Lv" e'e-vcbr*
22. *wgcirov gjMxi Lvgvi cwi Kí br I -vcb*
23. *gjMxi Lvgviti i `bw`b KivRKg*
24. *tj qvi gjmMi wMvs dK cij b I e'e-vcbr*
25. *ev"Pi tdlvUvtbvi wlg evQvB cluqv*
26. *ev"Pi tdlvUvtbvi wltgi hZi*

27. *tcwë³cij #b wj Uvi eë`rcbv- 1*
28. *tcwë³cij #b wj Uvi eë`rcbv- 2*
29. *tcwë³cij #b Avtj vK eë`rcbv*
30. *etj vi gjwli weM/s dK cij b l eë`rcbv*
31. *wVg tdlUv#bvi c@KwZ.K c×wZ*
32. *wVg tdlUv#bvi KwÎg c×wZ*
33. *n`vPwi tmb#Ukb, n`vPwi i ``b#`b KVRKg®*

**Major Academics and/or Administrative Responsibilities/Duties:**

- **Member of School Committee**, School of Agriculture and Rural Development, Bangladesh Open University, Gazipur-1705 from 26.05.2015 to date.
- **Program Coordinator, CLP Program**, School of Agriculture and Rural Development, Bangladesh Open University, Gazipur-1705 from 15.06.2015 to 14.06.2017.
- **Member, Admission Committee**, BAgEd Program, January - June Term, 2016, School of Agriculture and Rural Development, Bangladesh Open University, Gazipur-1705.
- **Coordinator, Syllabus and Course Layout Preparation Sub-Committee of Master in Sustainable Agriculture and Rural Livelihood (MSARL)**, SARD, BOU.
- **Member, Examination Committee**, CLP Program, January - June Term, 2014, School of Agriculture and Rural Development, Bangladesh Open University, Gazipur-1705.
- **Member, Regulation Committee**, CLP Program, School of Agriculture and Rural Development, Bangladesh Open University, Gazipur-1705.
- **Expert Member, Course Book Update Curriculum Committee**, BAgEd Program, School of Agriculture and Rural Development, Bangladesh Open University, Gazipur-1705.

**Additional Duties/Responsibilities of Chinese Language Course, SSSL, BOU**

- **Regulation Preparation** of Preliminary and Elementary Chinese Language Course, School of Social Sciences, Humanities and Languages, BOU.
- **Preparation of Course Layout** of Preliminary and Elementary Chinese Language Course, School of Social Sciences, Humanities and Languages, BOU.
- **Coordinator (Study Center, Dhaka RC)** of Chinese Language Course, School of Social Sciences, Humanities and Languages, BOU from July - December semester, 2015 to date.
- **Chairman, Examination Committee**, Chinese Language Course, School of Social Sciences, Humanities and Languages, BOU from July - December semester, 2015 to date.

**Research Skills:**

**Molecular Biology Techniques:**

- Technology of extracting DNA, RNA and PCR amplification.
- Gene cloning, SNP identification, Genotyping of animals, RT-PCR, Real-time PCR, Northern Blot, Southern Blot, Western Blot and other basic techniques in modern molecular biology.

**Modern Reproductive Biotechnology Techniques:**

- Selection of animal for breed improvement for higher milk and meat production both phenotypically and genetically.
- Selection of quality bull and technique of semen collection, dilution, processing and preservation.
- Increased pregnancy rate with ovsynch protocol and timed artificial insemination.
- Female line gene pool development from existing blood of available cattle and buffalo in Bangladesh

- Heat detection and artificial insemination, embryo transfer and preservation techniques, milk quality testing and Dairy Herd Improvement (DHI).

#### **Awards / Distinctions**

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- Awarded Excellent Academic Research Scholarship, College of Animal Science and Technology, China Agricultural University, Beijing, China (2010-2011).
- Awarded Excellent Cultural Activities Scholarship for international students, China Agricultural University, Beijing, China (2011).
- Awarded “Perfect Attendance Certificate” in Beijing Language & Culture University, Beijing, China (2008-2009)
- Awarded the grade of Elementary (Up to Standard) in the Chinese Proficiency Test (HSK), Beijing, China (2009)
- Awarded “Leader of the year-2006” in Bengal Overseas Limited (Exclusive Distributor: Intervet International B.V. the Netherlands), Dhaka, Bangladesh (2006).

**(Dr. Mohammad Abdul Hamid)**