

Curriculum Vitae

Professor Dr. Md. Jahangir Alam
Dept. of Animal Production & Management
(Animal Science)

&

Ex-Dean

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



Personal Details

Full Name : Professor Dr. Md. Jahangir Alam
Father's Name : Late Md. Ibrahim Mia
Mother's Name : Late Nurunnahar Begum
Spouse : Lt Col Zannatul Ferdaushi, Classified Specialist (Gynae, Obs. & Oncology), Combined Military Hospital (CMH)
Date of Birth : 13th March, 1974
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Agricultural University, Sher-e-Bangla Nagar,
Dhaka-1207, Bangladesh
Nationality : Bangladeshi (by birth)
Religion : Islam
National ID : 1016413443
Salary Grade : Selection Grade (Grade-2, matured for Grade 1, waiting for vacancy)

Research Area:

Animal Science, Environment and Waste management, Renewable Energy, Nutritional Biotechnology

Interest & Goal

My main priority is to play my role as a responsible teacher towards the students on academic activities to build their career and to improve their behavior, character and conduct. I also aim to uplift the students spiritually and install positive action principles into students' cognitive, affective and behavioral learning domains. My motto is to prepare a sustainable polluted politics free campus which will be suitable for all students and teachers. I also wish to work for the development of my country and serve my purposes through different research work. My aim also focuses on playing significant role in case of administrative research purpose to serve the purpose of my research basis internationally and to serve for the betterment of the socio-economic development of the nation to uplift the rural people. To sum up, my main goal is to contribute significantly to the development of science and the training of the next generation of academics.

Educational Qualifications:

Degree	Result	Institute/ Board	Specialization	Date of Completion
Post Doc	Satisfactory	Dept. of Biology, Shizuoka University, Japan	Molecular & Cell Biology	February 28, 2015
Doctor of Philosophy (Ph.D.)	Satisfactory	Dept. of Animal Science & Technology, Sunchon National University, South Korea	Animal Nutrition, Microbiology & Biotechnology	August 25, 2011
Master of Science (M.S)	First class	Dept. of Animal Science, Bangladesh Agricultural University, Mymensingh	Animal Science	June, 2001
Bachelor of Science in Animal Husbandry (B.Sc. A.H)	First class	Bangladesh Agricultural University, Mymensingh	Animal Production & Technology	Passing Year: 1997 (Held in 1999)
Higher Secondary Certificate (H.S.C)	First class	New Govt. Degree College	Science	1992
Secondary School Certificate (S.S.C)	First class	Mohadevpur Sorbamangola High School	Science	1990

Number of MS/PhD student guided as Supervisor: 30**Professional Records (Experience): About 25 years (Teaching about 21 years)**

- i) Professor**, Dept. of Animal Production & Management, Faculty of Animal Science & Veterinary Medicine, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (Presently serving since 25/08/2015)
- ii) Associate Professor**, Dept. of Animal Production & Management, Faculty of Animal Science & Veterinary Medicine, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (25/08/2011-24/08/2015)
- iii) Assistant Professor**, Dept. of Animal Husbandry, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (31/05/06 to 24/08/2011)
- iv) Guest Teacher**, Department of Animal Husbandry, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (01/09/2005 to 30/05/06)
- v) Assistant Professor**, Department of General Animal Science & Nutrition, Hajee Mohammad Danesh Science & Technology University (Former DGVC), Dinajpur, Bangladesh (08/12/2004 to 31/08/2005)
- vi) Lecturer**, Department of General Animal Science & Nutrition, Hajee Mohammad Danesh Science & Technology University (Former DGVC), Dinajpur, Bangladesh (18/02/2003 to 07/12/2004)
- vii) Associate Co-ordinator (Livestock)**, Proshika Human Development Centre, Head Office, Mirpur, Dhaka, Bangladesh (25/07/ 2002 to 17/02/2003)
- viii) Farm Manager**, Labib Dairy, Poultry & Fisheries Limited (01/07/2002 to 17/02/2003)

- ix) **Scientific Officer** in the Dept. of Animal Science, Bangladesh Agricultural University, Mymensingh, Bangladesh (01/01/2000 to 30/06/2002)
- x) **Specialist and Consultant** on Livestock & Poultry since July, 2001.

Extra duties & responsibilities:

- i) **Dean**, Faculty of Animal Science & Veterinary Medicine, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (29/01/2017 to 22/09/2019).
- ii) **Chairman**, Dept. of Animal Science, Faculty of Animal Science & Veterinary Medicine, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (25/11/2019 to 25/11/2021).
- iii) **Coordinator**, Identify the feeding practices and herd composition of livestock in selected districts in Bangladesh. Funded by FAO (September, 2019-October, 2019).
- iv) **Coordinator**, Risk assessment of live bird in Bangladesh. Funded by FAO (March, 2017-May, 2017).
- v) **Chairman**, Dept. of Animal Production & Management, Faculty of Animal Science & Veterinary Medicine, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (25/08/2011 to 07/03/2017).
- vi) **Chairman**, Department of Animal Husbandry, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh (01/04/2008 to 10/05/2008).
- i) **Assistant provost**, Sher-e-Bangla Hall, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh. (19/10/2006 to 31/03/2008)
- ii) **Provost (In-charge)**, Sher-e-Bangla Hall, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh. (15/02/07 to 24/02/2007).
- iii) **Head**, Department of General Animal Science & Nutrition, Dinajpur Government Veterinary College, Bangladesh (20/05/04 to 20/05/05).
- iv) **Manager**, Dairy Farm & Animal Shed, Dinajpur Government Veterinary College, Bangladesh (18/02/03 to 31/08/05).
- v) **Principal (In-charge)**, Dinajpur Government Veterinary College, Dinajpur, Bangladesh.
- vi) **Course Tutor**: In the course of “Dairy breed improvement and establishment of dairy farm”, “Diseases of domestic birds & their remedies” and “Diseases of domestic animals & their remedies” for the B.Ag.Ed. programme at Bangladesh Open University. (From 2006 to till do date).
- vii) **External Examiner**: Bangladesh Agricultural University, Hajee Mohammad Danesh Science & Technology University, Potuakhali Science & Technology University, Chittagong Veterinary & Animal Sciences University, Sylhet Agricultural University, Bangabandhu Sheikh Mujib Science & Technology University- Gopalganj, Open University and Rajshahi University etc.
- viii) **Guest teacher**, Dept. of Animal Science & Technology, Sunchon National University, Korea (From 10/5/2008 to 30/05/2011).
- ix) **Guest teacher**, Dept. of Biology, Shizuoka University, Japan (From 01/12/2014 to 28/02/2015).
- x) **Research Advisor**, Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh. (2015-2017).
- xi) **MS supervisor** in Dept. of Animal Production & Management (**30 students**), Faculty of Animal Science & Veterinary Medicine, Sher-e-Bangla Agricultural University.
- xii) **Vice-Chairman**, Bangladesh Biogas Development Foundation (BBDF) (since 2023 to till date)

Publications (50):**International journals**

- 1) Kabir ME, **Alam MJ**, Ferdaushi Z (2022). Effect of feeding probiotic fermented rice straw-based total mixed ration on production, blood parameters and faecal microbiota of fattening cattle. *J. Anim. Health Prod.* 10(2): 190-197.
- 2) **M Jahangir Alam**, Mahfuzul Islam, Che-Ok Jeon, Ki-Choon Lee, Seon-Ho Kim, Chul- Ju Yang, M Enayet Kabir and Sang-Suk Lee. 2021. *In vitro* assessment of probiotic potential of selected bacteria isolated from pig faeces with potential application of odour reduction. *International Journal of Veterinary Science and Medicine.* 9(1): 22–30.
- 3) Islam, M. A., **Alam, M. J.**, Kabir, M. E., Hossain, S. M. J., & Yasmin, F. (2021). Milk Yield and its Composition of Crossbred Dairy Cows Fed Different Types of Grasses. *European Journal of Applied Sciences*, 9(3). 337-346.
- 4) Yasmin, F., **Alam, M.J.**, Kabir, M.E., Maruf, A.A., Islam, M.A., and Hossain, M.M. (2021). Influence of Probiotics Supplementation on Growth and Haemato-biochemical Parameters in Growing Cattle. *International Journal of Livestock Research*, 11(6), 36-42.
- 5) **Alam M. J.**, Lee S. S., Cho S. B., Hwang O. H., Choi D. Y., Yang S. H. and Cho K. K. 2018. Odor mitigation in growing pigs using tapioca as feed replacer. *Journal of Biotechnology and Biosafety.* 6 (5):557-569.
- 6) **Alam M. J.**, Lee S. S., Cho S. B., Nam K. C., Hwang O. H., Choi D. Y., Yang S. H. and Ha G. S. 2018. Effect of Tapioca Levels on Production of Swine. *Asian Journal of Research in Animal and Veterinary Sciences.* 2(3): 1-8.
- 7) **Alam M. J.** and Ahamed K. U. 2018. Role of selective breeding in developing quality food animal in Bangladesh. *IMSACON.* 8: 66-69.
- 8) Newaz A. W., **Alam M. J.** and Hossain M. M. 2016. Effect of vegetable tanning by-product on the growth performance of caged Nile tilapia (*Oreochromis niloticus*) as a fishmeal replacement. *International Journal of Animal Resources.* 1 (1): 43-52.
- 9) Beg M. A. H., Hossain M. M. and **Alam M. J.** 2016. Use of cinnamon and black cumin as effective alternative of antibiotics on growth performance of broiler. *International Journal of Animal Resources.* 1 (2): 17-26.
- 10) Islam M. S., Masum M. A., **Alam M. J.** and Ali M. M. 2016. Establishment of cost-effective brooding method for chicken. *International Journal of Animal Resources.* 1 (2): 35-44.
- 11) **M. J. Alam**, Z. Ferdaushi, S. Islam, M. Ali and R. Kamal. 2015. Uses of slaughter house by-products as a substitute of protein in goat feed. *J. Agric. Econ. Dev.* 4(2):61-71.
- 12) **M. J. Alam**, C.D. Jeong, Z. Ferdaushi and S.S. Lee. 2016. Effect of different proteins and carbohydrates ratio on *in vitro* fermentation and rumen bacterial communities. *Int. J. Anim. Resources.* 1(1):1-10.
- 13) **M. J. Alam**, T.M. Waliullah, S. Islam and Z. Ferdaushi. 2015. Utilization of slaughter house and kitchen by-products as protein source in broiler diet. *J. Biotech. Biosafety.* 3(1):171-182.
- 14) **Alam, M.J.** and S.S. Lee. 2013. Effect of phyto-genic feed additives in soybean meal on *in vitro* swine fermentation for odor reduction and bacterial community comparison. *Asian-Aust. J. Anim. Sci.* 26(2):266-274.
- 15) **Alam, M.J.**, Jeong, C.D., Mamuad, L.L., Jeon, C.O. and Lee, S.S. 2013. Bacterial community Dynamics during Swine *In vitro* Fermentation using Starch as a Substrate with different Feed Additives for Odor Reduction. *Asian-Aust. J. Anim. Sci.* 25(5):690-700.

- 16) S.H. Kim, **Alam, M.J.** and Sang-Suk Lee. 2012. Effect of total mixed ration with fermented feed on ruminal *in vitro* fermentation, growth performance and blood characteristics of Hanwoo steers. *Asian-Australasian Journal of Animal Science*. 25(2):213-223.
- 17) M.N. Islam, K.J. Park and **Alam, M.J.**. 2011. Treatment of swine wastewater using sequencing batch reactor. *Engineering in Agriculture, Environment and Food (EAEF)*. 4(2): 47-53.
- 18) M.J. Gu, **Alam, M.J.**, S.H. Kim and Sang-Suk Lee. 2011. Analysis of methanogenic archaeal communities of rumen fluid and rumen particles from Korean black goats. *Animal Science Journal*. 82:66-72.
- 19) **Alam, M.J.**, M.M. Hossain, M.A.H. Beg, Ki-Chang Nam and Sang-Suk Lee. 2010. Effects of Tannery Wastes on the Fattening of Growing Cattle, Carcass, and Meat Quality. *Korean J. Food Sci. Ani. Resour.* 30 (2): 190-197.
- 20) **M.J. Alam**, M.M.Hossain, M.A.H. Beg and S.S. Lee. 2009. Fattening cattle and meat quality by tannery wastes as protein sources. *Int. Cong. Meat Sci. Tech. (ICOMST) as a paper held in Copenhagen, Denmark. August 16-21, 2009.* p1545-1548.
- 21) Moshad, M.A.A., **Alam, M.J.** and Howlider, M.A.R. 2003. Effect of phytase and carbohydrase in utilization of parboiled rice polish for the growth of broilers. *Japanese J. Poultry Sci.* 40(4):290-297.
- 22) Monira, K.N., Islam, M.A., **Alam, M.J.** and Wahid, M.A.2003. Effect of litter materials on broiler performance and evaluation of manure value of used litter in late autumn. *Asian-Australian J. of Anim. Sci.*, 16(4):555-557.
- 23) Ali, M. Y., Islam, M. A., **Alam, M.J.** and Islam, M. N. 2002. Quality of yogurt (Dahi) made in laboratory and available in the market of Mymensingh town in Bangladesh. *Pak. J. of Biological Sci.*, 5 (3): 343-345.
- 24) **Alam, M.J.**, Amin, M. R., Samad, M. A., Islam, M. A. and Wadud M. A. 2002. Use of tannery wastes in the diet of broiler. *Asian-Australian J. of Anim. Sci.* 15(12):1773-775.
- 25) **Md. Jahangir Alam**, Md. Saiful Islam, Mahfuzul Islam, Md. Mahabbat Ali and Maksuda Begum. 2024. Effects of selective probiotics supplementation in layer chicken production as an growth promoter. *Asian-Australian J. of Anim. Sci.* 2024. (Submitted)

National journals

- 26) M.J. Rahman, **M.J. Alam***, M.A. Jalil, Z. Ferdaushi and J.M. Mumu. 2024. Productive and Managemental Strategy of Rhesus Monkey at Bangladesh National Zoo. *J. Expt. Biosci.* 15(1): x-x (Accepted).
- 27) M.R. Islam, **M.J. Alam*** and A.K.M.B.I. Talukder 2022. Production Strategy and Its Effect of Spotted Deer at National Zoo in Bangladesh. *Journal of Sher-e-Bangla Agricultural University*. 13 (1&2):77-87.
- 28) **MJ Alam**, A Akter and ME Kabir. 2022. “Dry- Digestion Technology Using Kitchen, Agricultural and Market Waste for Continuous Biogas Generation and Its Effectiveness”- MS thesis published in the Dept. of Animal Production and Management, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
- 29) Haque MA, Ilias M, Afrin T, **Alam MJ**, and Rahman H. (2022). Comparison of production performance between two broiler breeder strains in northern part of Bangladesh. *Journal of Experimental Bioscience*. 13(1): 103-110.

- 30) Rahman H, Afrin T, Haque MA, **Alam MJ** (2022). Studies on PPR disease and hazard of Black Bengal goat in Narayanganj district of Bangladesh. *Journal of Experimental Bioscience*. 13(1): 89-94.
- 31) M. M Alam, **M. J. Alam**, M. E. Kabir , M. A. Jalil, M. C. Dey and M. Begum. 2021. Growth performance of Black Bengal Goats at rural areas of Gaibandha district in Bangladesh. *Bangladesh Journal of Veterinary and Animal Sciences*, 9(1):10-16.26).
- 32) Md. Samiul Haque, **Md. Jahangir Alam**, Lam Yea Asad, Md. Enayet Kabir and Tahmina Sikder. 2020. Socio-economic status of buffalo farmers and management practices of buffaloes in selected areas of Jamalpur district in Bangladesh. *Asian Australas. J. Food Saf. Secur.* 4 (2), 49-57.
- 33) Dadok F, Islam MS, Rahman ANMI, **Alam MJ**, Kabir ME, Islam MT and Amy BF (2020). Morphometric assessment of oocytes recovered from ovaries of Black Bengal goat. *IOSR Journal of Agriculture and Veterinary Science*, 13(12): 40-44.
- 34) Kabir ME, Monir MM, Islam MS, **Alam M.J.** and Dadok F. 2020. Existing buffalo husbandry practices at household farming level in selected coastal regions of Bangladesh. *Asian Journal of Medical and Biological Research*, 6 (2): 255-264.
- 35) Hoque M.N., Khan M.M.H. and **Alam M.J.** 2019. Outbreak of Salmonella in poultry of Bangladesh and possible remedy. *J. Adv. Biotechnol. Exp. Ther.* 2(2): 87-97.
- 36) **Alam M.J.** and Ferdaushi Z. 2018. Use of probiotics instead of antibiotics in broiler production. *Progressive Agriculture*. 29 (4): 359-370.
- 37) **Alam M.J.** and Ferdaushi Z. 2018. Effect of prepared probiotics instead of harmful growth promoters in broiler production to avoid the human health hazard. *J. Expt. Biosci.* 9(1):23-30.
- 38) Alam, S.B., Nasrin, M.A, **Alam, M.J.** and Khatun, M.A. 2008. Impact of broiler farming on socio-economic status and livelihood of the rural poor in Bangladesh. *Bangladesh J. Prog. Sci. & Tech.* 6(1): 193-196.
- 39) Nasrin, M.A, Alam, S.B. and **Alam, M.J.** 2008. Effectiveness of community based organisation's (CBO) micro-credit programme of concern worldwide in a selected area of Bangladesh. *Bangladesh J. Prog. Sci. & Tech.* 6(1): 205-208.
- 40) Hossain, M.A., Zaman, M.A. and **Alam, M.J.** 2007. Study on nutritional value of ready-made broiler feeds collected from different feed mills. *Journal of Sher-e-Bangla Agricultural University*, Vol. 2(I):88-92.
- 41) Akter, Y., Akbar, M A, Khatun, M A. and **Alam, M.J.** 2007. Control of gastrointestinal nematodes of dairy cows using urea molasses bolcks. *J. Agric. Educ. & Tech.* 10 (1&2): 75-78.
- 42) Alam, S.B., Nasrin, M.A. and **Alam, M.J.** 2007. Comparative Economic Study on Dairy Farming in Some Selected Areas of Bangladesh. *J. Sher. Agic. Univ.*1(1): 118-124.
- 43) Zaman, M.A. and **Alam, M.J.** 2007. Study on First Service Conception Rate of Cows Influenced by Age, Parity and Farming Condition. *Bangladesh J. Prog. Sci. & Tech.* 5(2): 425-428.
- 44) Wadud, M.A., **Alam, M.J.**, Beg, M.A.H. and Hossain, M. M. 2007. Study on the effect of feeds at different levels of probiotic (protoxin) supplementation of production performance of laying hen. *J. Sher. Agic. Univ.* 1(1): 99-107.
- 45) Bhuiyan, M.K., **Alam, M.J.** and Wadud, A. 2005. Distribution pattern, productive and reproductive performances of indigenous dairy cows. *J. Agric. Educ. & Tech.* 8 (1&2):31-34.

- 46) Habib, R., Hassan, M.N. and **Alam, M.J.** 2003. Study on the preparation of acidophilus milk. Bangladesh J. of Environmental Sci. 9:292-296.
- 47) **Alam, M.J.**, Habib, R. and Khan, M.M.H. 2003. Protein concentrate for livestock from tannery wastes. Bangladesh J. of Environmental Sci. 9:274-276.
- 48) **Alam, M.J.**, Amin, M.R. and Samad, M.A. 2003. Tannery wastes and fish offals as substitute of commercial protein concentrate in broiler ration. Bangladesh J. of Anim.Sci., 31(1-2):1-8.
- 49) **Alam, M.J.** 2001. Control of environmental pollution by utilizing leather industry waste. Bangladesh J. of Environmental Sci., 7:11-20.
- 50) F. Bahar, **M.J. Alam***, G. Azam. 2024. Status and Management of Royal Bengal Tiger in Bangladesh National Zoo. J. Expt. Biosci. 14(2): x-x (Accepted).

Proceedings (25):

- i) **Md. Jahangir Alam**, Md. Enayet Kabir, Mahfuzul Islam, Md. Saiful Islam, Md. Mahabbat Ali and Zannatul Ferdaushi. Use of probiotics as an alternative to antibiotic growth promoters in layer chicken production (OP-G07). 2021. International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021)" on 11-13 March 2021 at Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh, pp 178.
- ii) **Alam M. J.** and Ahamed K. U. 2018. Role of selective breeding in developing quality food animal in Bangladesh. IMSACON. Kolkata, India. 8: 66-69.
- iii) **Alam, M.J.** and S.S. Lee. 2015. "Reduction of odorous compounds using bacterial probiotic supplementation in swine manure slurry *in vitro* and in confinement houses" in "2015 International Symposium toward the Future of Advanced Researches in Shizuoka University" (Joint International Workshops on Advanced Green Science/ Nanovision Science), Sanaru Hall, Shizuoka University Hamamatsu Campus, **Shizuoka, Japan** held on January 27-28, 2015, PS23: p63.
- iv) **Alam, M.J.** and Lee, S.S. 2008. Evaluate the contents of gas, pH and NH₃ in pig fecal microbial *in vitro* fermentation at different stages (B013) (International meeting of the federation of Korean Microbiological Societies, 2008: October 16-17, The 9th Korea-Japan International Symposium on Microbiology, Seoul, **Korea**).p141.
- v) **Alam, M.J.**, Kim, S.H, Choi, Y.J. and Lee, S.S. 2009. Identification of bacteria to evaluate production of amines and other products in an *in vitro* model of CHO overload in pigs (50th International Symposium on Microbiology, 2009: May 28-30, **Jeju Island, Korea**). p125.
- vi) **Alam, M.J.**, Jung, C.D, Park, J.S. and Lee, S.S. 2009. Microbial *in vitro* fermentation using feed additives to determine different fermental products in pigs (50th International Symposium on Microbiology, 2009: May 25-26, **Jeju Island, Korea**). P128.
- vii) **Alam, M.J.**, Hossain, M.M., Beg, M.A.H. and Lee, S.S. 2009. Tannery wastes as cattle feed in substitute of protein concentrate (Animal Science & Technology Symposium, 2009: June 25-26, Suncheon National University, **Korea**).p23.
- viii) Kim, S.H., **Alam, M.J.** and Lee, S.S. 2009. Effects on Growth Performance and Chemical Composition of Growing Hanwoo Steers using Ensiled Total Mixed Fermented Feeds with Rice Straw and Whole Barely (Animal Science & Technology Symposium, 2009: June 25-26, Suncheon National University, **Korea**).p24. www.ksast.org
- ix) Park, J.S., Kim, S.H., **Alam, M.J.** and Lee, S.S. 2009. Metagenomic DNA isolation and purification method from the rumen microorganism of Korean native goat (Animal

- Science & Technology Symposium, 2009: June 25-26, Sunchon National University, **Korea**).p29. www.ksast.org
- x) Choi, Y.J., Kim, S.H., **Alam, M.J.**, Jung, C.D., Park, J.S. and Lee, S.S. 2009. Quantitative analysis of Lactobacilli using conventional method and real time PCR (Animal Science & Technology Symposium, 2009: June 25-26, Sunchon National University, **Korea**).p37. www.ksast.org
- xi) Jung, C.D., Kim, S.H., **Alam, M.J.**, Choi, Y.J., Park, J.S. and Lee, S.S. 2009. Analysis of rumen bacteria community using different ratio of protein and carbohydrate (Animal Science & Technology Symposium, 2009: June 25-26, Sunchon National University, **Korea**).p40. www.ksast.org
- xii) Jung, H.J., Kim, S.H., **Alam, M.J.**, Choi, Y.J., Park, J.S. and Lee, S.S. 2009. Effect of bamboo vinegar & mixed microorganism on productivity of Hanwoo cattle (Animal Science & Technology Symposium, 2009: June 25-26, Sunchon National University, **Korea**). P52. www.ksast.org
- xiii) **M.J. Alam**, M.M.Hossain, M.A.H. Beg, S.S. Lee and K.C. Nam. 2009. Fattening cattle and meat quality by tannery wastes as protein sources. Proceedings on 55th International congress of meat science & technology (ICOMST) as a paper held in **Copenhagen, Denmark**. August 16-21, 2009. P1545-1548.
- xiv) **Alam, M.J.**, Kim, S.H. and Lee, S.S.2009. Evaluation of odorous compound using carbohydrate & feed additives in pig by *in vitro* fermentation. Abstract in Rocky Mountain Bioinformatics Conference from Dec. 10-12/2009 at Silvertree Hotel in **Aspen/Snowmass, Colorado, USA**.p10.
- xv) **Alam, M.J.**, Kim, S.H. and Lee, S.S. 2009. Microbial *in vitro* fermentation using soybean meal & feed additives to determine different fermental products in pigs. Short paper in International Conference on Agricultural and Animal Science (ICAAS) from Feb. 26-28/2010, “Garden City” Quality Hotel, 201 **Balestier Road, Singapore** 329926.p112.
- xvi) **Alam, M.J.**, Kim, S.H. and Lee, S.S. 2010. Reduction of odorous compounds using probiotics to an *in vitro* model of carbohydrate overload in swine. Abstract (0150) in Gut Microbiology: new insights into gut microbial ecosystems at 7th Joint International Symposium organized by the Rowett Institute of Nutrition and Health, University of Aberdeen, Scotland (UK) & the Institut National de la Recherche Agronomique, Clermont-Ferrand-Theix (France) from June 22-25/2010, “Aberdeen Exhibition and Conference Centre”, **Aberdeen, Scotland, United Kingdom** (www.rowett.ac.uk/Rowett-INRA2010/).p112.
- xvii) **Alam, M.J.**, J.S. Park, D.H. Kim and Lee, S. S. 2010. Mitigation of odorous compounds using feed additives on carbohydrate overload in pig *in vitro* (PF10089) (Proceedings of 2010 Annual Congress of Korean Society of Animal Science & Technology, June 24-25, Jinju National University, **Republic of Korea**).p214.
- xviii) H.J. Jang, **M.J. Alam**, J.S. Park, J.U. Park and S.S. Lee. 2010. Feeding Effects and Cost Benefit of Whole-Barley Crop and Italian Ryegrass Silage on the Reproductive and Growth Performances of Hanwoo Heifers and Cows. The 14th Animal science Congress of the AAAP (Asian-Australian Association of Animal Production Societies) proceedings, August 23-27, 2010, **Pingtung, Taiwan, Republic of China**. p269.
- xix) L. Mamuad, M.J. Gu, S.H. Kim, **M.J. Alam**, Y.k. Oh and S.S. Lee. 2010. Isolation and identification of fumarate reducing bacteria from Korean black goats and Holstein cows. Abstract (R15) in 4th Greenhouse Gases and Animal Agriculture Conference (Proceedings) at **Banff, Canada** from October 03-08/2010, p174. (www.GGAA2010.org).

- xx)** M.J. Gu, J.N. Bae, S.H. Kim, **M.J. Alam**, C.O. Jeon and S.S. Lee. 2010. Isolation and characteristics of new reductive acetogens from the rumen (T 60) in 4th Greenhouse Gases and Animal Agriculture Conference (Proceedings) at **Banff, Canada** from October 03-08/2010, p122. (www.GGAA2010.org).
- xxi)** L. Mamuad, **M.J. Alam**, S.H. Kim, K.K. Cho, C.O. Jeon and S.S. Lee. 2011. A study on fumarate reductase activity of microorganisms isolated from Korean black goat (123) in 4th Congress of European Microbiologist FEMS (Federation of European Microbiologist Society), **Geneva, Switzerland** held on June 26-30, 2011.p123.
- xxii)** C.D. Jeong, **M.J. Alam**, M.J. Gu, K.K. Cho, C.O. Jeon and S.S. Lee. 2011. Effect of different proteins-carbohydrates ratio on in-vitro fermentation and rumen bacterial communities as revealed by DGGE analysis of 16S rDNA (310) in 4th Congress of European Microbiologist FEMS (Federation of European Microbiologist Society), **Geneva, Switzerland** held on June 26-30, 2011.p310.
- xxiii)** J.S. Park, **M.J. Alam**, S.H. Kim, L.L. Mamuad, K.K. Cho, C.O. Jeon and S.S. Lee. 2011. Determination of metagenome efficiency methods using Korean native goat rumen microbes for isolation and purification (120) in 4th Congress of European Microbiologist FEMS (Federation of European Microbiologist Society), **Geneva, Switzerland** held on June 26-30, 2011.p120.
- xxiv)** Ji-na Bae, Min-Jung Gu, **M.J. Alam**, Lovelia Mamuad and S.S. Lee. 2011. Assessment of Lactobacillus strains as commercial probiotics (p-315) in Korean Society for Food Science of Animal Resources, **Seoul, South Korea** held on May 19-20, 2011. p269.

Seminar, Workshop and Symposium (50):

- * Paper presented on “Probiotics as an alternative to antibiotic growth promoters in layer chicken production”- International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021)” on 11-13 March 2021 at BCSIR, Dhaka, Bangladesh. pp178.
- * Workshop on “Intellectual Property Right” organized by Institutional Quality Assurance Cell (IQAC), SAU, Dhaka on 21/06/2021.
- * Seminar presented on “Role of selective breeding in developing quality food animal in Bangladesh”. IMSACON, Kolkata, India. 2018 (**India**). 8th Conference of Indian Meat Science Association (IMSACON-VIII) and International Symposium on Technological innovations in muscles food processing for nutritional security, quality and safety at Kolkata, India.
- * Seminar presented on “Reduction of odorous compounds using bacterial probiotic supplementation in swine manure slurry *in vitro* and in confinement houses” in “2015 International Symposium toward the Future of Advanced Researches in Shizuoka University” (Joint International Workshops on Advanced Green Science/ Nanovision Science), Sanaru Hall, Shizuoka University Hamamatsu Campus, Shizuoka, Japan held on January 27-28, 2015 (**Japan**).
- * Seminar presented on “Effect of malate & fumarate on *in vitro* rumen fermentation of different feed substrates and changes of rumen bacterial communities as revealed by DGGE analysis of 16S ribosomal DNA” (**Republic of Korea**).
- * Seminar presented on “Vectors for Gene Cloning: Plasmids and Bacteriophages” (**Korea**).
- * Seminar presented on “Gene Cloning and DNA Analysis in Medicine” (**Korea**).
- * Seminar presented on “Identification of bacteria to evaluate production of amines & other products in an in vitro model of CHO overload in pigs” (**Korea**).
- * Seminar presented on “Microbial in vitro fermentation by using soybean meal & feed additives to determine different fermental products in pig” (**Korea**).
- * Seminar presented on “In vitro fermentation of various fiber and starch sources by Pig fecal

- inocula” **(Korea)**.
- * Seminar presented on “Introduction of HPLC & GC” **(Korea)**.
 - * Seminar presented on “Evaluation of HPLC Analytical Data” **(Korea)**.
 - * Seminar presented on "Control of Environmental Pollution by Using Tannery Wastes as Livestock Feed & Organic Fertilizer." **(Bangladesh)**.
 - * Seminar presented on “Determination and reduction of biogenic amines in pig large intestine” **(Korea)**.
 - * Seminar presented on “Evaluate the contents of gas, pH and NH₃ in pig fecal microbial in vitro fermentation at different stages” **(Korea)**.
 - * Seminar presented on “Introduction to amine & biogenic amine related to amine” **(Korea)**.
 - * Seminar presented on “In vitro fermentation in case of monogastric animal to determine the content of total gas, NH₃, fatty acid and amines” **(Korea)**.
 - * Seminar presented on “Biogenic amine contents and inhibition of them in the fermenta” **(Korea)**.
 - * Seminar presented on “Production of amines in equine cecal contents in an in vitro model of CHO overload” **(Korea)**.
 - * Seminar presented on “Organic farming: Challenges for farmers and feed suppliers” **(Korea)**.
 - * Seminar presented on “Fodder production in Bangladesh” **(Korea)**.
 - * Seminar presented on “Over all Livestock production in Bangladesh” **(Korea)**.
 - * Seminar presented on “Investigation of Tannery Wastes as Substitute of Protein Concentrate in Broiler Ration" **(Bangladesh)**.
 - *Seminar presented on “Transmissible spongiform encephalopathies (TSEs) and Bluetongue where are we now?” **(Korea)**.
 - * Seminar presented on “Feeding systems for poultry in the world” **(Korea)**.
 - * Seminar presented on “Swine Flu” **(Korea)**.
 - *Seminar presented on “Effects of urea treated *Leucaena leucocephala* leaves and supplements on in vitro fermentation characteristics” **(Korea)**.
 - * Seminar presented on “The effects of dietary barley level on VFA concentration and manure ammonia emissions in finishing pigs” **(Korea)**.
 - * Seminar presented on “Improvement of *in vitro* ruminal fermentation of ensiled peppermint (*Mentha piperitae*) byproduct when combined with alfalfa hay or corn silage” **(Korea)**.
 - *International workshop on sustainable green livestock agriculture confronting climate change in APEC member economics on 7.7.2009- 10.7.2009 at Seoul education cultural centre, **Korea**.
 - *The 7th Korea, Japan, China joint symposium on rumen metabolism and physiology on 05.8.2009- 08.8.2009 at Konkuk University, **South Korea**.
 - *Seminar presented on “Fattening cattle and meat quality by tannery wastes as protein sources” 55th International congress of meat science & technology (ICOMST) on August 16-21, 2009 at Bella centre in Copenhagen, **Denmark**.
 - *Microbial Metagenomics workshop, August 25-27, 2009 at Yonsei University (World Class University), Seoul, **South Korea**.
 - *The 3rd Korea Annual Natural Cheese Festival, December 03, 2009 at Suncheon National University, Jeonnam, **Republic of Korea**.
 - *Symposium on “Hanwoo cattle development in Korea” on 15.12.2009 at Jangheung, Jeollanamdo, **Republic of Korea**.
 - *“2010 Joint International Conference of National Taiwan University and Suncheon National University on Bioresources and Agriculture” on 14.05.2010 at Suncheon National University, Jeonnam, **Republic of Korea**.

*International seminar on “Advanced Research Techniques in Animal Nutritional Physiology & Nutrigenetics” held on 23.03.2010 at National Institute of Animal Science, R.D.A., **Republic of Korea**.

*Presented on “Synchrony of protein and energy supply to enhance fermentation” at Suncheon National University, **Korea** on 30.4.2010.

*Presented on “Information Technology & Animal Management” at Suncheon National University, **Korea** on 07.5.2010.

*Class taken on “Anatomy of the Ruminant Digestive Tract” at 10.5.2010 & 17.5.2010 in the Dept. of Animal Science & Technology, Suncheon National University, **Korea**.

*2009 International Symposium for Successful Restoration of the Asiatic Black Bear at Species Restoration Center, Korea National Park, Zirisun, Jeonnam, **Korea** on 28/05/2010.

*Presented on “GABA analyses by HPLC” at Suncheon National University, **Korea** on 04.6.2010.

*Presented on “Determination of sulfate by Turbidimetric method” at **SNU** on 16.6.2010.

*Symposium on “Ruminant Animal Update” on 24.07.2010 at College of Agriculture & Life Sciences, Seoul National University, Republic of **Korea**.

*Seminar on “Plant-based strategies to reduce greenhouse gases in ruminant Agriculture” at Chung-Ang University, Seoul, **Korea** organized by Korean Society of rumen Function Studies (GGAA) held on 11/12/2010.

*Attended on “3rd microbial metagenomics workshop” at Muju Resort, **Korea** organized by International Environmental Research Center held on Feb. 16-18, 2011.

*Attended at International Workshop on “High Yielding Dairy Breed Development in Bangladesh” at BLRI, Savar, **Dhaka** held on Sep. 28-29, 2011.

*Attended at different other seminar, workshop and symposium held in Bangladesh, Korea, Denmark, Sweden, Singapore, Taiwan and India.

Research Experience (About 25 years):

Title of the project/research activity	Donor/ Sponsor	Position in project	Year	
			From	To
Processing and preservation of meat for “ready-to-eat” at compatible packed dried meat	Ministry of Education	Principal Investigator	2023-2026	
Mitigation of Methane Gas Emissions from Ruminants to Reduce Global Warming and Climate Change	Ministry of Environment & Forestry	Principal Investigator	2025 (on progress)	
Study on impact of chicken (broiler) rearing under solar PV modules	GIZ	Research team leader	2024	
Biogas and organic fertilizer production from poultry droppings with the co-substrate agricultural wastes through dry digestion technology	University Grants Commissions (UGC)	Principal Investigator	2023-24	
Productive and reproductive performances of Gola pigeon in comparison of semi-intensive and cage rearing system in Bangladesh	SAURES	Principal Investigator	2023-24	
Biogas production by dry digestion method using kitchen and municipal	SREDA	Team Leader,	2020-2021	

wastes		SAU	
Ensiling of paddy straw with rumen contents and utilization of their feeding on growth performance, haematological parameters and gut-microflora in growing cattle	SAURES	Principal Investigator	2021-2022
Improving the efficiency of utilization of straw through total mixed ration (TMR) for sustainable beef fattening program	Ministry of Science & Technology	Principal Investigator	2020-2021
Uses of prepared probiotics instead of harmful growth promoters in goat production to avoid adverse effect on health	Ministry of Science & Technology	Principal Investigator	2019-2020
Effect of Harmful Growth Promoter in Beef Fattening Program	SAURES	Principal Investigator	2019-2020
Improvement of Teaching-Learning Quality at Undergraduate and Post graduate level in the Faculty of Animal Science & Veterinary Medicine	HEQEP-UGC, Bangladesh	Deputy Sub Project Manager (DSPM)	2017-2018
Preparation of probiotics for replacement of harmful growth promoters in chicken production to avoid the human health hazard in Bangladesh	Ministry of Education	Project Director	2015-2017
Comparison effect of probiotics instead of harmful growth promoters in broiler and layer production to avoid the human health hazard	Ministry of Science & Technology	Project Director	2014-2015
Uses of slaughter house by-products as a substitute of protein in goat feed	UGC	Principal Investigator	2013-2014
Modernization of Animal Husbandry Laboratory to promote innovative research facilities for the academic staff	HEQEP, UGC, Bangladesh	Associate Sub Project Manager (ASPM)	2012-2013
Utilization of slaughter house, kitchen and industrial by-products as livestock and fish feed	SAURES	Principal Investigator	2012-2013
Effect of microbes and additives on odor reduction and microbial community in animal	Ministry of Agriculture, Forestry & Fisheries, Korea	Researcher	2009-2011
Control of environmental pollution by utilizing tannery wastes as livestock & fish feed and organic fertilizer	Ministry of Science & Technology	Project Director	2008-2009
Control of environmental pollution by utilizing tannery wastes as livestock feed and organic fertilizer	Ministry of Science & Technology	Scientific Officer	2000-2002

Research supervisor ship (MS/PhD) (30):

SI No	Title of Thesis	Name of Student	Year
01	Biogas production using poultry droppings through dry-digestion technology	Ammana Afrose (15-06683)	2023
02	Effects of farming systems on estrus synchronization in anestrus cow in Rajshahi districts	Md. Hasan-Al-Mamun (15-06746)	2023
03	Study on buffalo farm waste management practices at three selected area in Bangladesh	Md. Alhaz Hossen (15-06766)	2023
04	Therapeutic efficacy of oyster mushroom in chromium induced toxicities in mice	Mohsina Khatun (14040020)	2023
05	Existing poultry waste management practices and assessment of its nutrient content and hazardous substances in some selected poultry farms in Gazipur district	Md. Shahdat Hossain (15-06524)	2023
06	Effects of using tamarind (<i>Tamarindus indica</i>) leaf extract (TLE) and olive (<i>Olea europaea</i>) leaf extract (OLE) on growth performance, Internal organs development of broiler as a growth promoter in broiler ration	Nitu Saha (14-06200)	2022
07	Effects of neem leaf extract (<i>Agadirachta India</i>) on the growth performance of broiler production	Md. Enamul Shaikh (20-11094)	2022
08	Study on growth performance, meat quality traits and economic analysis of broiler at different slaughtering age	Md. Babul Reza (20-11097)	2022
09	Bioinformatic analysis of candidate genes for bovine milk traits	Mst. Saumik Afroz Era (20-11102)	2022
10	Varietal effect on production and nutritional quality of moringa as livestock feed	Taslima Rahman Lima (20-11128)	2022
11	Effect of papaya leaf extract (<i>Carica papaya</i>) on growth performance of broiler chicken in Bangladesh	Bipul Mazumder (14-05981)	2021
12	Effect of dietary protein levels on growth performance of ostrich chicks in farming system	Eti Akter (14-06232)	2021
13	Effect of sex on growth performance of growing peafowl at national zoo in Bangladesh	Humaira Akter (14-05864)	2021
14	The effects of dietary supplementation of Fenugreek (<i>Trigonella foenum-graecum</i>) seed as an alternative to antibiotic on growth performance and health of broiler chicken	Sadik Ahmed (13-05572)	2020
15	Occurrences of lumpy skin disease (LSD) in cattle at satura upazila in Manikganj District	Rashna Rahat Shaoky (19-10059)	2020
16	Dry digestion technology using kitchen waste, agricultural waste and market waste for continuous gas generation and its effectiveness	Afsana Akter (19-10062)	2020
17	Effect of irrigation management on growth and yield of fodder grasses	Md. Al-Amin (19-10078)	2020
18	Measuring gastrointestinal nematode infestation and the efficacy of commonly used anthelmintics and effect of body	Abdur Rahman Sheikh (19-10130)	2020

	weight on indigenous cattle of Jhikargacha, Jashore		
19	Microbiological and physicochemical analyses of supplied water in selected dairy farms of Dhaka city	Md. Roknuzzaman Khan (13-05512)	2020
20	Scenario of Slaughter house and meat selling centers in Dhaka City	Md. Abu Jafor Pk (12-04737)	2019
21	Growth performance of Black Bengal Goat at Gaibandha District in Bangladesh	Md. Morshedul Alam (12-04811)	2019
22	Effect of probiotics instead of antibiotics as growth promoters in broiler production	Md. Rabiul Hasan (12-04746)	2019
23	Morphometric assessment of Oocytes recovered from ovaries of Black Bengal goat	Falguni Dadok (12-04745)	2019
24	Present scenario of using feed additives and feed supplement during cattle fattening in Dhaka district of Bangladesh	Md. Uzzal Hossain (12-04735)	2019
25	Evaluation of Oocytes recovered from ovaries of Black Bengal goat under different retrieval methods	Md. Tarikul Islam (12-05018)	2019
26	Processing and preservation of meat for “ready-to-eat” at compatible packed dried meat	PhD on line with project	2024

NGO related activities:

1. Principal Investigator, “Study on impact of chicken (broiler) rearing under solar PV modules”- funded by GIZ, Germany (2024 going on)
2. **Consultant**, Upazila Town (Non-Municipal) Master Plan Preparation and Basic Infrastructure Development Project (UTMIDP), Ministry of Local Govt. & Rural Development (LGRD) through Sheltech Consultant Ltd. (2024 to till to date)
3. **Livestock Consultant**, নিবিড় পরিবীক্ষণ সমীক্ষা, “উন্নত জাতের গাভী পালনের মাধ্যমে সুবিধাবঞ্চিত মহিলাদের জীবনযাত্রার মান উন্নয়ন প্রকল্প” প্রারম্ভিক প্রতিবেদন, পরিবীক্ষণ ও মূল্যায়ন সেক্টর-৪, বাস্তবায়ন পরিবীক্ষণ ও মূল্যায়ন বিভাগ, পরিকল্পনা মন্ত্রণালয়, গণপ্রজাতন্ত্রী বাংলাদেশ সরকার, ২০১৯
4. **Livestock Consultant**, Samahar কৃত্রিম প্রজনন কার্যক্রম সম্প্রসারণ এবং ঋণ স্থানান্তর প্রযুক্তি বাস্তবায়ন প্রকল্প (২য় ফেজ) পরিবীক্ষণ ও মূল্যায়ন, বাস্তবায়ন পরিবীক্ষণ ও মূল্যায়ন বিভাগ, পরিকল্পনা মন্ত্রণালয়, গণপ্রজাতন্ত্রী বাংলাদেশ সরকার, ২০১৬
5. **Associate Co-ordinator (Livestock)**, Proshika Human Development Centre, Head Office, Mirpur, Dhaka, Bangladesh (25/07/ 2002 to 17/02/2003)

Renewable energy and waste management related experiences:

1. **Research team leader**: “Study on impact of chicken (broiler) rearing under solar PV modules”. Funded by GIZ (2024).
2. **Consultant/ expert**: Feasibility study for multipurpose use of land for renewable energy project in Bangladesh. Funded by World Bank and implemented by M/S STEAG Energy Services Pvt. Ltd. 2022-2023. Client-Power Cell, Ministry of power, energy and mineral resources, Govt. of People’s Republic of Bangladesh. Identification No.- TDPD-005.
3. **Team Leader**: Biogas production by dry digestion method using kitchen and municipal wastes. Collaborated with Bangladesh Biogas Development Foundation (BBDF) funded (2020-21) by SREDA.
4. **Research Supervisor**: “Dry- Digestion Technology Using Kitchen, Agricultural and Market Waste for Continuous Biogas Generation and Its Effectiveness”- 2022,

Department of Animal Production and Management, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

5. **Research Supervisor:** “Effect of Dry- Digested Poultry Droppings on Fodder Crop Production”- 2023-24, Department of Animal Production and Management, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. UGC.
6. **Research Supervisor:** “Biogas and Organic Fertilizer Production Using Poultry Droppings Through Dry Digestion Technology”- 2023-24, Department of Animal Production and Management, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. UGC.
7. **Researcher:** Research on line “In vitro ruminal fermentation using protein and carbohydrate to reduce the methane production in respect of greenhouse effect”- 2024-25
8. **Researcher:** Research on line “Mitigation of Methane Gas Emissions from Ruminants to Reduce Global Warming and Climate Change”- 2024-25.
9. **Vice-Chairman,** Bangladesh Biogas Development Foundation (BBDF) from 2023 to till to date.
10. **Researcher:** Control of environmental pollution by utilizing tannery wastes as livestock & fish feed and organic fertilizer, Ministry of Science & Technology, 2008-2009.

Language Proficiency:

Bangla: Excellent in reading, writing and speaking

English: Good in reading, writing and speaking

Arabic: Good in reading

French: Little in reading, writing and speaking

Korean: Little in reading, writing and speaking

Japanese: Little in reading, writing and speaking

Hindi: Little in reading, writing and speaking

Medium of Instruction to deliver teaching: Fully English

Medium of studied in post Graduate & Undergraduate level: English

Journal related involvement:

- ◆ Editor, International Journal of Animal Resources
- ◆ Associate Editor, Bangladesh Research Publications Journal
- ◆ Reviewer “Animal Science & Technology Journal”
- ◆ Reviewer “The Journal of Microbiology”
- ◆ Reviewer “The Korean Journal of Animal Science”
- ◆ Reviewer “Asian Pacific Journal of Tropical Diseases”.
- ◆ Reviewer “Asian Journal of Food & Agriculture”.
- ◆ Reviewer “Asian Food Science Journal”.
- ◆ Reviewer “Applied Journal of Animal & Veterinary Sciences”.
- ◆ Reviewer “International Journal of Research and Innovation in Applied Science (IJRIAS)”- ISSN: 2454-6194.
- ◆ Reviewer “Asian Journal of Research in Animal and Veterinary Sciences (AJRAVS)”
- ◆ Reviewer, Journal of Applied Animal Research

- ◆ Reviewer, Net Journal of Agricultural Science
- ◆ Reviewer, Animal Science Journal

Academic Awards:

- ⇒ Awarded as a Research Fellow from Ministry of Science and Information & Communication Technology, Government of the Peoples Republic of Bangladesh
- ⇒ Awarded Science Fair Award by presenting Research findings in the fair organized by Ministry of Science and Information & Communication Technology, Government of the Peoples Republic of Bangladesh.
- ⇒ Awarded 1st prize on oral presentation of Korean Animal Science & Technology Symposium, Organized by Korean Society of Animal Science & Technology, held in 26.06.2009 at SNU, Republic of Korea.

Lab. Equipment Experience:

<ul style="list-style-type: none"> ● In vitro fermentation ● Jar fermentation ● Anaerobic fermentation ● HPLC (High Performance Liquid Chromotography) analysis ● Spectrophotometer analysis ● Sensor machine & gas monitor for diff. gas detection ● Gas chromatography ● DGGE ● Preparation of probiotics ● Feed trial on Livestock, fish and Poultry ● Feed preparation & analysis ● Detection of Microbes ● Other Lab. oriented works 	<ul style="list-style-type: none"> ● Media preparation Jar fermentation ● Plate making ● Sampling ● Western blot ● Plasmid construction ● E coli electroporation ● Plasmid mini-prep ● Plasmid preparation from yeast ● Transformation ● DNA extraction ● PCR ● Genome modification of yeast ● Colony PCR ● Plasmid digestion
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Subject taught in different academic level:

***Subject taught in Ph.D.:**

Doctor of Philosophy (Ph.D.)- Advanced feed processing, Advanced nutrition of subdomestic animal, Milk science & nutrients, Seminar-1, Small scale dairy plant management, Gene cloning for microbes, Advanced cereal processing, Seminar-2, Special topics in meat products manufacturing, Advanced swine breeding, Feed resources for herbivorous animal, Quality control of processed animal products, advanced ruminant nutrition and physiology, Advanced IT swine production, Research-1, Research-2.

Title of the Ph. D. Thesis:

Application of natural additives on odor reduction and growth performance in swine production.

***Subject taught in Master of Science in Animal Science:**

First Semester

1. Beef Cattle Production
2. Meat Science and Technology
3. Wool Technology
4. Hides and Skins Technology
5. Animal Breeding

Second Semester

1. Sheep and Goat Production
2. Draught Animal Production
3. Bio- Statistics
4. Ruminant Nutrition
5. Dairy cattle production

3rd Semester: Thesis Semester

Thesis Title: Investigation of Tannery wastes as substitute of protein concentrate in broiler ration.

***Subject taught in Bachelor of Science in Animal Husbandry (B.Sc. A.H):**

<u>Part-I</u> 1. Introductory Poultry Science 2. Introductory Dairy Science (a) Dairy Cattle (b) Market milk 3. Introductory Livestock Production and Ecology 4. Agronomy 5. Biochemistry 6. Anatomy 7. Embryology 8. Physiology 9. Agricultural Economics	<u>Part-II</u> 1. Ducks and Specialized Fowl Production 2. Dairy Chemistry 3. Animal Genetics 4. Ruminant Nutrition 5. Zoo and Laboratory Animal Management 6. Sheep and Goat Production 7. Statistics 8. Introduction to Parasitology 9. Principle of Animal Hygiene
<u>Part-III</u> 1. Hatchery Management 2. Poultry Feeds and Feeding 3. Dairy Microbiology 4. Animal Breeding 5. Poultry Breeding 6. Non-Ruminant Nutrition 7. Feeds, Fodder and Feed Industry 8. Beef and Draught Animal Production 9. Meat Science and Technology 10. Rural Sociology	<u>Part-IV</u> 1. Egg Production 2. Broiler Production 3. Dairy Technology 4. Dairy Cattle Production 5. Reproduction of Farm Animals and Artificial Insemination 6. Livestock Feeding 7. Hides, Skin and Wool Technology 8. Agricultural Extension

***Subject taught in Higher Secondary Certificate (H.S.C.) level:**

Bengali-Part-1&Part-II, English-Part-1&Part-II, Mathematics-Part-1&Part-II, Physics-Part-1&Part-II, Chemistry-Part-1&Part-II and Biology-Part-1&Part-II.

***Subject Taught in Secondary School Certificate (S.S.C.) level:**

Bengali, English, Mathematics, General Science-Part-1 & Part-II, Geography, Elective Mathematics and Bookkeeping.

Country Visited:

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- * Denmark
 - * Sweden
 - * Finland
 - * Netherland
 - * Norway
 - * India
 - * Korea
 - * Singapore
 - * Japan
 - * Hongkong
 - * China
 - * Saudi Arabia
 - * Thailand
 - * Malaysia

Training Attended:

- Training on “Advanced & recent instruments & their uses” organized by Research Instrument, Basic Science center, Suncheon, Korea on 17.09.2010.
- Workshop & training on “Chromatography” organized by Agilent Technologies, Germany at Sunchon National University Seminar room on 26.11.2010.

Professional Membership:

- ◆ Member of Bangladesh Association for Environmental Development (BAED)
- ◆ Member of Bangladesh Biogas Development Association (BBDA)
- ◆ Member of Agriculturist Institute of Bangladesh
- ◆ Member of Bangladesh Animal Husbandry Association
- ◆ Member, The Microbiological Society of Korea
- ◆ Member, The Korean Society of Animal Science & Technology
- ◆ Member, Korean Society of Biotechnology
- ◆ Member, Japanese Journal of Animal Science
- ◆ Member, Agricultural Science & Technology Information System (ATIS), Rural Development Administration (RDA), Government of Korea (atis.rda.go.kr)

Hobbies:

- ◆ Research to innovation
- ◆ Reading and writing
- ◆ Traveling
- ◆ Gardening
- ◆ Playing game

Extra Curriculum Activities:

- ◆ Founder of Bangladesh National Cadet Corps (BNCC) at BAU and founder commanding officer of BNCC, BAU Platoon, Ramna Rejiment”
- ◆ Training conducted on “A training program of farmers on goat production” from June 9, 2004 to June 29, 2004 at Dinajpur Govt. Veterinary College.
- ◆ Training conducted on “A training program of farmers on Dairy farming” from July 01, 2004 to July 15, 2004 at Dinajpur Govt. Veterinary College.
- ◆ Training conducted on “A training program of farmers on poultry production” from July 20, 2004 to August 05, 2004 at Dinajpur Government Veterinary College.
- ◆ Professor Under Officer (PUO), Bangladesh National Cadet Corps (BNCC), SAU Platoon, Ramna Rejiment, Dhaka (2000-2001)
- ◆ Going to publish a book namely "Strategy of beef fattening" & "Goat production in Bangladesh".

References:

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E-mail: mdalatif15@yahoo.com; mdalatif15@sau.edu.bd

Signature



(Professor Dr. Md. Jahangir Alam)