

Curriculum Vitae (CV)
of
Professor Dr. Mofassara Akter

B.Sc. A.H. (Hons.) & MS (BAU), PhD (Hokkaido University, Japan)

Dept. of Animal Nutrition, Genetics and Breeding

Faculty of Animal Science & Veterinary Medicine

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Personal Details

Name in Full (in block letters)	Last Name AKTER	First Name MOFASSARA
Father 's Name	Shofik Ahmed	
Mother's name	Rabea Begum	
Gender	Female	
Date of birth	18 November, 1985	
Place of birth	Rajbari, Bangladesh	
Nationality	Bangladeshi by birth	
Designation	Professor, Department of Animal Nutrition, Genetics and Breeding, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University, Dhaka-1207	
Permanent address	Village-South Bhubanipur, Post office- Rajbari, Upazilla- Rajbari Sadar, District- Rajbari	
Present address	Department of Animal Nutrition, Genetics and Breeding Sher-e-Bangla Agricultural University Sher-e-Bangla Nagar, Dhaka-1207 Mobile: 01717444465	
Religion	Islam	
Blood group	B (+ve)	
National ID	3731470310	
Passport no.	BR0203148	

Academic carrier

Name of School/College/ University	Years attended		Name of the Exams. with subjects offered*	Division/Grade / Class & Place obtained	Year of obtaining cert. or degree
	From	To			
Hokkaido University, Japan	April/2016	March/2019	PhD in Biosystems Sustainability (Major: Applied Food Science)	Awarded	2019
Bangladesh Agricultural University, Mymensingh	Jan-June/2010	Jan-June/2011	MS in Animal Nutrition	Grade: A GPA: 3.859 (out of 4.0)	2011
Bangladesh Agricultural University, Mymensingh	2005	2009	B. Sc. A. H. (Hons.)	Grade: A GPA: 3.768 (out of 4.0) 4 th position	2009
Govt. Rajbari College	2001	2002	HSC	Grade: A GPA: 4.20 (out of 5.0)	2003
Rajbari Govt. Girls' High School	1999	2000	SSC	Grade: A GPA : 4.25 (out of 5.0)	2001

Working experiences

Name of Employer	Name of the Department	Position	Period of service
Sher-e-Bangla Agricultural University	Department of Animal Nutrition, Genetics and Breeding	Professor	10 April 2023 to till date
Sher-e-Bangla Agricultural University	Department of Animal Nutrition, Genetics and Breeding	Associate Professor	10 April 2019 to 09 April 2023
Sher-e-Bangla Agricultural University	Sheikh Sahera Khatun Hall	Assistant Hall Provost	28 February 2023 to till date
Sher-e-Bangla Agricultural University	Department of Animal Nutrition, Genetics and Breeding	Chairman	24 December 2020 to 23 December 2022

Sher-e-Bangla Agricultural University	Department of Animal Nutrition, Genetics and Breeding	Chairman	31 January 2015 to 26 September 2015
Sher-e-Bangla Agricultural University	Department of Animal Nutrition, Genetics and Breeding	Assistant Professor	10 April 2014 to 09 April 2019
Sher-e-Bangla Agricultural University	Department of Animal Nutrition, Genetics and Breeding	Lecturer	10 April 2012 to 09 April 2014

Training or special courses or certificates obtained

- a) Actively participated in the training on “**Cattle Cost Efficient Feed Management and Nutritional Requirements with Alternative Sources**”, organized by PUM Netherlands, BDFA and SAU, May 5-7, 2023.
- b) Completed the professional training on “**Short Course Development of Food Safety Auditing**” offered by Nuffic OKP-BGD-104475, Cox’s Bazar, Bangladesh, January 22-27, 2023.
- c) Completed the distance e-learning courses on “**Food Safety**” offered by Precon Learning and Wageningen University & Research (WUR), The Netherlands, (July-December, 2020).
- d) Training on “**Writing and Reviewing of Scientific Articles**” Organized by Central Library, Hokkaido University, Sapporo, Japan.
- e) Training on “**Teaching Methods and Techniques**” organized by the Outreach Program, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh, October 14-16, 2012.
- f) Attended 6 months “**Internship Program**” at different GO and NGO’S (BLRI, BRAC, Milk vita, Reneta Poultry farm, DLS) organized by the Faculty of Animal Husbandry, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh, July 01-December 30, 2009.
- g) Course on “**Basics of MS Office**” conducted by the Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh-2202, Bangladesh, April 11-23, 2009.
- h) Attended “**Extension Field Trip**” organized by the Faculty of Animal Husbandry, Department of Agricultural Extension Education, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh, February 09-12, 2009.

Conference attended

- a) Actively participated in the “**5th International Scientific Conference on Food Safety and Health**”, February 18, 2023, BARC, Farmgate, Dhaka, Bangladesh.

- b) Attended “The 6th Bangladesh Society for Animal Production Education and Research (BSAPER) seminar on **“Innovative Technologies for Animal Production: Bangladesh and Global Perspective**, 28 August, 2022, BARC, Dhaka, Bangladesh.
- c) Actively participated in the virtual training program on **“Intellectual Property Rights (IPRs)”** jointly organized by the department of Patent Design and Trademark (DPDT), Ministry of Industries, Dhaka, Bangladesh and Sher-e-Bangla Agricultural University, Dhaka, held on 13 July, 2021.
- d) Attended International Seminar on **“Bangabandhu”- The inspiration of Food Safety in Bangladesh: Initiatives, Challenges and Dreams**, Hotel InterContinental Dhaka, National Food Safety Day, 2021.
- e) Attended **“7th Congress of Hokkaido Society of Livestock and Grassland Science”**, Nakashibetsu, Hokkaido, Japan, September 01-02, 2018.
- f) Attended **“64th International Congress of Meat Science and Technology”**, Grand Hyatt, Melbourne, Australia, August 12-17, 2018 and received **“2nd best poster presentation award”** in young scientist award.
- g) Attended **“124th Annual Meeting of Japanese Society of Science”**, The University of Tokyo, Tokyo, Japan, March 27-30, 2018 and received **“English presentation award”** for oral presentation.
- h) Attended **“6th Congress of Hokkaido Society of Livestock and Grassland Science”**, Shintoku, Hokkaido, Japan, September 01-02, 2018.

Language proficiency

- **English:** Very good reading, writing and speaking ability.
- **Japanese:** Good reading, writing and speaking ability.
- **Bengali:** native.

Computer Skills

- Operating system: Windows and Mac OS
- Software packages: MS Office, Statistical Package (SPSS, Tukey etc.), Adobe Photoshop, etc. Internet browsing, E-mail, Internet application software and other utilities.

Members of professional organizations

1. Japanese Universities Alumni Association of Bangladesh (JUAAB) (Life member)
2. Hokkaido University Alumni Association of Bangladesh (HUAAB) (Life member)
3. Bangladesh Society for Safe Food (Life member)
4. Bangladesh Animal Nutrition Society (BANS) (2019-2020)
5. Japanese Society of Animal Science (JSAS), Japan (2018-2019)
6. Hokkaido Society of Livestock and Grassland Science, Japan (2017-2019)
7. Krishibid Institution, Bangladesh (2012-Till date)
8. Bangladesh Animal Husbandry Association (BAHA) (2009-Till date)

Achievements

Sl	Achievements	Type	Year
1.	Best poster presentation award in young scientist award in 64th International Congress of Meat Science and Technology, 2018; Grand Hyatt, Melbourne, Australia.	Award	2018
2.	English presentation award for oral presentation in 124th Annual Meeting of Japanese Society of Science, 2018; The University of Tokyo, Tokyo, Japan.	Award	2018
3.	Hokkaido University Agricultural Alumni Association Scholarship for international conference	Scholarship	2018
3.	Japanese Government Scholarship (Monbukagakusho) for PhD in Japan	Scholarship	2015
4.	National Science and Information & Communication Technology (NST) Fellowship, Bangladesh	Fellowship	2010
5.	Junior Scholarship, Bangladesh	Scholarship	1998

Experience in implementing project

Sl	Title of Project	Funding agency	Position held	Status
1.	Effects of supplementation of cinnamon and turmeric powder on performance and quality of quail eggs	Sher-e-Bangla Agricultural University Research System (SAURES)	Principal Investigator	Completed (2023)
2.	Effects of feeding garlic on growth performance and immunity of broiler	Sher-e-Bangla Agricultural University Research System (SAURES)	Principal Investigator	Completed (2022)
3.	Effects of feeding mint leaf (<i>Mentha pulegium</i> L.) as an alternative to antibiotics on performance of broiler	Sher-e-Bangla Agricultural University Research System (SAURES)	Principal Investigator	Completed (2021)
4.	Evaluation of cinnamon and garlic as antibiotic substitutions on performance, immune responses, serum biochemical and hematological parameters in broiler	Ministry of Science and Technology (MoST)	Principal Investigator	Completed (2022)
5.	Effects of curcumin and moringa leaves on growth performance, microbial control and meat quality in broiler	University Grant Commission (UGC)	Principal Investigator	Completed (2023)
6.	Quality assessment of meat products available in different companies of Bangladesh: A food safety issue	Ministry of Science and Technology (MoST)	Principal Investigator	Completed (2021)

7.	Combined effects of probiotics and prebiotics on growth performance of commercial broiler	Ministry of Science and Technology (MoST)	Principal Investigator	Completed (2020)
8.	Effect of probiotics on immunological parameters of commercial broiler	Sher-e-Bangla Agricultural University Research System (SAURES)	Co- Investigator	Completed (2013)

Research interest

- Use of natural herbs and spices in animal feed
- Poultry Nutrition
- Dairy Animal Nutrition
- Food safety
- Detection of hazardous components in meat and milk products.

List of published research work

1. Asaduzzaman, M., **Akter, M.**, Rahman, A., Moniruzzaman, M., Rahman, A. & Islam, M.S. (2023). Development of flavored dahi by incorporating soymilk and cocoa powder. Asian-Australasian Journal of Bioscience and Biotechnology, 8(1), 1-7.
2. Moniruzzaman, M., Khan, M.A.S., **Akter, M.**, Rahman, A., Rahman, A. & Asaduzzaman, M. (2023). Effect of neem (*Azadirachta indica*) leaves as supplemented feed on the milk production performance of lactating cows. International Journal of Animal Resources, **Accepted**.
3. **Akter, M.** & Asaduzzaman, M. (2023). Feeding of mint leaf as an alternative to antibiotics on performance of broiler. Asian-Australasian Journal of Food Safety and Security, 7 (1), 10-19.
4. **Akter, M.**, Asaduzzaman, M. & Farhana Yesmin Sumi, F. Y. (2023). Effect of feeding cinnamon and garlic as an alternative to antibiotic on growth performance and carcass characteristics in broiler. International Journal of Animal Resources, **Accepted**.
5. Rahman, A., **Akter, M.**, Islam, M.S., Rahman, A., Biswas, L. & Asaduzzaman, M. (2023). Lactic acid bacteria in fermented dairy products and their beneficial effects, Journal of Sher-e-Bangla Agricultural University, 13(1), **Accepted**.

6. Naim, Z., Asaduzzaman, M., **Akter, M.** & Islam, M.S. (2023). Impact of climate change on livestock production in Bangladesh - A review, *Bangladesh Journal of Animal Science*, 52(1), 1-14. **(Equal contribution)**
7. **Akter, M.**, Asaduzzaman, M. & Amy, B.F. (2022). Quality assessment of meat products available in different companies in Bangladesh, *Journal of Agriculture and Veterinary Science*, 15(9), 31-36.
8. **Akter, M.**, Asaduzzaman, M., Islam, M.S. & Patoary, M.M.U. (2022). Effects of probiotics and prebiotics on growth performance of commercial broiler, *Iranian Journal of Applied Animal Science*, 12(4), 761-770.
9. Amy, B.F., Asad, L.Y., Rahman, A.N.M.I., **Akter, M.** & Akhter, N. (2022). Comparative assessment of quality of fresh and frozen semen production in Bangladesh, *Journal of Agriculture and Veterinary Science*, 15(6), 06-15.
10. Patoary M. M., Hossain M.M., **Akter, M.** & Rubel M. Z.U. (2020). Effect of supplementation of yucca schidigera extract on ammonia gas emission and performance of broiler chickens. *The Journal of World's Poultry Research*, 10(1), 57-62.
11. **Akter, M.**, Shiraishi, A., Kumura, H., Hayakawa, T. & Wakamatsu, J. (2019). Investigation of contributors to zinc protoporphyrin IX formation at optimum pH 5.5 in pork. *Animal Science Journal*, 90(6), 774-780.
12. Wakamatsu, J., **Akter, M.**, Honma, F., Hayakawa, T., Kumura, H. & Nishimura, T. (2019). Optimal pH of zinc protoporphyrin IX formation in porcine muscles: Effects of muscle fiber type and myoglobin content. *LWT-Food Science and Technology*, 101, 599-606.
13. Hossain, M.M., Asaduzzaman, M., Asad, L.Y., **Akter, M.** & Rahman A.N.M.I. (2016). Use of black cumin in layer diet as cholesterol lowering agents in egg yolk. *International Journal of Animal Resources*, 1(1), 61-68.
14. Rahman, A., Asaduzzaman, M., **Akter, M.**, Hassan, M.N. & Ali, M.M. (2016). Preparation of dahi from skim milk incorporating apple juice. *International Journal of Animal Resources*, 1(2), 1- 8.

15. Asad, L.Y., Rahman, A.N.M.I., Hossain, M.M. & **Akter, M.** (2016). Ovarian category, follicles and oocytes analysis of Goat ovaries in view of in vitro production of embryos. *International Journal of Animal Resources*, 1(1), 27-34.
16. **Akter, M.**, Asaduzzaman, M., Hossain M.M. & Asad, L.Y. (2015). Utilization of urea and urease treated rice straw by indigenous growing cattle. *Iranian Journal of Applied Animal Science*, 5(3), 529-535.
17. Prodhan, M. M. R., Ali, M. A., **Akter, M.**, Asaduzzaman, M. & Kanak, M. A. R. (2013). Selection response on productive performance of meat type sire and dam lines of chicken. *Bangladesh Journal of Progressive Science & Technology*, 11(2), 161-166.
18. **Akter, M.**, Khan, M. J., Akbar, M. A. & Asaduzzaman, M. (2013). Improving quality of rice straw through treatment with urea and midden soil for large animals. *Journal of Animal Science*, 42(1), 29-34.
19. Roy, M. K., Islam, M. N., **Akter, M.** & Asaduzzaman, M. (2012). Determination of quality of milk powder available in local market of Bangladesh. *Bangladesh Journal of Progressive Science & Technology*, 10(2), 155-158.

List of conference paper

1. **Akter, M.**, Asaduzzaman, M., Islam M.S. & Patoary, M.M.U. (2023). Effects of probiotics and prebiotics on growth performance of commercial broiler. 5th International Scientific Conference on Food Safety and Health”, BARC, Farmgate, Dhaka, Bangladesh. February 18, 2023, pp. 35.
2. Asaduzzaman, M., **Akter, M.**, Hayakawa, T., Kumura, H., & Wakamatsu, J. (2019). Isolation of environmental bacteria having potential ability to form ZnPP in meat products. 65th International Congress on Meat Science and Technology (ICoMST), Kongress hotel, Potsdam, Germany, August 04-09, 2019, pp. 111-114.
3. **Akter, M.**, Asaduzzaman, M., Hayakawa, T., Kumura, H., & Wakamatsu, J. (2019). The contribution of myoglobin to form ZnPP at pH 4.75 in pork. 7th Congress of Hokkaido Society of Livestock and Grassland Science, Nakashibetsu, Hokkaido, September 01-02, 2018, pp. 25.

4. Asaduzzaman, M., **Akter, M.**, Hayakawa, T., Kumura, H., & Wakamatsu, J. (2018). Isolation of lactic acid bacteria from environment having potential ability to form ZnPP in meat product. 7th Congress of Hokkaido Society of Livestock and Grassland Science, Nakashibetsu, Hokkaido, September 01-02, 2018, pp. 24.
5. **Akter, M.**, Honma, F., Asaduzzaman, M., Hayakawa, T., Kumura, H., & Wakamatsu, J. (2018). Two optimum pH for zinc protoporphyrin IX formation exist in pork. 64th International Congress on Meat Science and Technology (ICoMST), Grand Hyatt, Melbourne, Australia, August 12-17, 2018.
6. Asaduzzaman, M., Ohya, M., **Akter, M.**, Hayakawa, T., Kumura, H., & Wakamatsu, J. (2018). Searching for high ZnPP-forming bacteria for application to meat products. 64th International Congress on Meat Science and Technology (ICoMST), Grand Hyatt, Melbourne, Australia, August 12-17, 2018.
7. **Akter, M.**, Hayakawa, T., Kumura, H., & Wakamatsu, J. (2018). Searching for contributors to PPIX formation at an optimum pH 5.5 in pork. 124th Annual Meeting of Japanese Society of Animal Science (JSAS), The University of Tokyo, Tokyo, Japan, March 27-30, 2018, pp. 161.
8. **Akter, M.**, Honma, F., Asaduzzaman, M., Hayakawa, T., Kumura, H., & Wakamatsu, J. (2017). Behavior of ZnPP formation at a new optimal pH 4.75 in pork. 6th Congress of Hokkaido Society of Livestock and Grassland Science, Shintoku, Hokkaido, Japan, September 02-03, 2017.

References

<p>1) Professor Dr. Alok Kumar Paul Department of Soil Science Faculty of Agriculture Sher-e-Bangla Agricultural University Dhaka-1207 Email: alokpaulsau@yahoo.com Mobile: 01715213083</p>	<p>2) Professor Dr. Md. Jasimuddin Khan Department of Animal Nutrition Faculty of Animal Husbandry Bangladesh Agricultural University Mymensingh-2202 Email: mjkhambau04@yahoo.com Mobile: 01718151957</p>
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