



Dr. Bedika Bora

MVSc, PhD, PGDAW

Assistant Professor

Department of Livestock Products Technology

Arawali Veterinary College, Sikar

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Personal Information

Date of Birth

11th August 1993

Gender

Female

Languages

English, Hindi, Assamese (Reading, Writing, Speaking)

Nationality

Indian

Educational Qualifications

Qualification	Marks	Year	Institution/ College
Ph.D.	8.200/10	September 2024	Livestock Products Technology, ICAR-Indian Veterinary Research Institute, Izatnagar.
PGDAW	82.37%	2024	Indira Gandhi National Open University, New Delhi
M.V.Sc	8.137/10	August 2019	Livestock Products Technology, College of Veterinary and Animal Sciences, G.B.P.U.A &T, Pantnagar, Udham Singh Nagar, Uttarakhand
B.V.Sc& AH	7.240/10	July 2017	College of Veterinary Science, Assam Agriculture University, Khanapara Guwahati, Assam
XII	77.6%	2011	Hindustani Kendriya Vidyalaya, Guwahati
X	93%	2009	Maharishi Vidya Mandir Public School, Barsajai, Guwahati
NET	55.56 %	2022	ASRB NET

Work Experience

- **Assistant Professor** **January 2025 till present**
Department of Livestock Products Technology, Arawali Veterinary College, Sikar
- **Assistant Professor** **November 2025 till January 2025**
Department of Livestock Products Technology, RPS College of Veterinary science, Mahendergarh, Haryana
- **Assistant Professor** **August 2019 till 17/12/2020**
International Institute of Veterinary Education and Research, Bahu Akbarpur-Rohtak, Haryana

Publications

Books

1. Rahman, C.F., **Bora, B.**, & Biswas, A.K. 2023. Encyclopedia of Livestock Products Technology: A Comprehensive. Elite Publishing House. ISBN: 9789358990546

Research Articles

1. **Bora, B.**, Kumar, D., Biswas, A. K., CK, F. R., & TS, A. (2024). Standardization of processing parameters for production of protein hydrolysate from chicken liver by using Lactobacilli fermentation: Protein hydrolysates from chicken liver. *Indian Journal of Poultry Science*, 59(3), 313-319 [NAAS rating: 5.30].
2. **Bora, B.**, Biswas, A. K., Kumar, D., & Rahman, F. Optimization of chicken heart protein hydrolysates production using lactobacilli fermentation. *International Journal of Advanced Biochemistry Research*, SP-8(8): 87-90. [NAAS rating: 5.29]
3. **Bora, B.**, Biswas, A. K., Kumar, D., Ck, F. R., Anand, T. S., & Ahmed, A. M. (2025). Assessment of Storage-Induced Quality Changes in Freeze-Dried Chicken Liver and Heart Protein Hydrolysates Produced by Lactobacilli Fermentation. *Journal of Advances in Microbiology*, 25(5), 12-20. [NAAS rating: 5.14]
4. Biswas, Ashim Kumar, Abdullah Arsalan, Apeksha Jangir, Shalu Swami, CK Faslu Rahman, **Bedika Bora**, T. S. Anand et al. "Unveiling citrate synthase enzyme as potential biomarker in developing a rapid method for monitoring of chilled and defrosted buffalo meat in supply chain." *Journal of Food Composition and Analysis* (2024): 106360. [IF: 4.3, NAAS rating: 10.3]
5. Jangir, A., Biswas, A.K., Arsalan, A., Rahman, C.F., Swami, S., Agrawal, R., **Bora, B.**, Mendiratta, S.K., Talukder, S., Chand, S. & Kumar, D., 2024. Development of superoxide dismutase based visual and spectrophotometric method for rapid differentiation of fresh and frozen-thawed buffalo meat. *Food Chemistry*, p.138659. [IF: 8.8, NAAS rating: 14.8]

6. Rahman, C.F., Biswas, A.K., Agrawal, R., Biswas, S.K., **Bora, B.**, Anand, T.S., Ajay, A. and Sen, A.R., 2024. ELISA-based detection of fresh and frozen–thawed lamb meat: a promising analytical approach for meat authentication. *Analytical Methods*. [NAAS rating: 9.53]
7. Anand, T. S., Biswas, A. K., Biswas, S. K., Agrawal, R. K., Singh, P., Talukder, S., **Bora, B.** & Sen, A. R. (2025). Development and validation of mitochondrial citrate synthase enzyme-based sandwich ELISA for reliable authentication of fresh vs frozen thawed pork meat. *Food Control*, 111672. [IF: 6.3, NAAS rating: 11.60]
8. Anand, T. S., Biswas, A. K., Biswas, S. K., Faslu Rahman, C. K., Agrawal, R., Talukder, S., **Bora, B.** & Agrawal, N. (2025). Mitochondrial citrate synthase enzyme biomarker assisted novel sandwich ELISA for authentication of fresh vs. frozen thawed chicken meat. *Journal of Food Science and Technology*, 1-12. IF: 3.3, NAAS rating: 8.60]
9. Anand, T. S., Biswas, A. K., Rahman, C. F., **Bora, B.**, & Agrawal, N. Identification and confirmation of mitochondrial citrate synthase as a potent biomarker for the differentiation of fresh and defrosted chicken meat. *International Journal of Advanced Biochemistry Research*, [NAAS rating: 5.29]
10. Rahman, C. F., Biswas, A. K., Jangir, A., **Bora, B.**, & Anand, T. S. Identification of superoxide dismutase as a novel biomarker for the differentiation of fresh and frozen-thawed goat meat. *International Journal of Advanced Biochemistry Research*, SP-8(7): 348-353. [NAAS rating: 5.29]
11. Rani, R., Yadav, S., Kumar, S. & **Bora, B.**, 2021. Development of chicken meat nuggets by incorporating pumpkin seed powder and chia seed powder. *Indian Journal of Poultry Science*. 56(2):161-166. [NAAS rating: 5.30]

Popular Articles

1. **Bora, B.**, & Rahman, C. F. 2024. Bioactive Peptides Derived from Poultry By-Products: A Promising Source for Functional Food Ingredients. *Processed Food Industry*, 27 (4): 18-20.
2. **Bora, B.**, & Rahman, C.F., 2023. Goat Milk Matters! Unlocking the Nutritional Value of “Poor Man’s Cow Milk”. *Food Infotech*.
3. **Bora, B.**, Pal, A., & Nath, S. 2023. Chhurpi–The Himalayan Cheese. *The Science World*, 3(06): 1045-1048.
4. **Bora, B.** Unlocking the Potential of Mithun: An Indigenous Treasure for Meat, Milk and Leather in Northeast India. *Just Veterinary*, 3(01): 224-226.
5. **Bora, B.**, & Ahmed, A. M. Traditional Indian Fermented Dairy Products: A Probiotic Powerhouse for Health and Innovation. *The Science World*, Vol.5(4), 6778-6782.
6. Rahman, C.F., **Bora, B.**, & Biswas, A.K. 2023. Egg origin Immunoglobulins: IgY as a Valuable Tool for Biomedical and Food Science. *The Food Tech Times*.
7. Pal, A., Nath, S., **Bora, B.** and Chopra, D. 2023. Data-Driven Decision-Making in livestock Management. *The Science World*, 3(09): 2194-2198.
8. **Bora, B.**, 2022. The role of lactic acid bacteria in the production of fermented meat products. *Vigyan Varta*, 3, pp.13-15.
9. Singh, R., & **Bora, B.** 2022. Application of Essential Oils as Natural Preservatives in Meat Products. *Pashudhan Praharee*.
10. Anita, **Bora, B.**, & Rawat, B.S. 2021. Nutritional Value of Milk Derived By-Products. *Indian Farmers’ Digest*.

11. Ahmed, A. M., & **Bora, B.** 2025. Sustainable Livestock Management Strategies for Lean Seasons. The Science World, 5(4), 6757-6761.

Book Chapters

1. Kumar, R.R., Rahman, F., **Bora, B.** & Shameeh, M., 2023. Importance and nutritive value of animal proteins in human diet. In Processing Technologies and Food Protein Digestion (pp. 1-25). Academic Press.
2. **Bora, B.**, Rahman, C.K., Patel, S., & Mishra, A. 2024. Exam special Your Perfect Exam Friend (Veterinary Science & Animal Science). Elite Publishing House. ISBN: 978-58993-80-6 (HB)
3. Biswas, A.K., Rahman, C.F., & **Bora, B.** 2023. Brand Building in Wool Industry: Opportunities and Challenges. Training compendium: revitalizing wool and pelt industry in Jammu and Kashmir.
4. Sen, A.R., **Bora, B.**, & Vijay, L. 2023. Meat: Nutritional Facts and Human Health. Acta Scientific Nutritional Health (ISSN:2582-1423)

Conference abstracts

1. **Bedika Bora**, Ashim Kumar Biswas, Devendra Kumar, Faslu Rahman C.K. and Anand T.S. 2024. Characterization of Freeze-dried Chicken Heart Protein Hydrolysate Powders prepared by Lactobacilli Fermentation. XIIth IMSACON, DUVASU, Mathura.
2. **Bora, B.**, Rawat, B.S. & Arya A. 2022. Evaluation of quality characteristics of meat and indigenous/native Uttara and Kadaknath chicken. XIth IMSACON, NRC-Meat, Hyderabad.
3. Rawat, B.S., **Bora, B.** & Arya A. 2022. Effect of incorporation of Jakhiya (*Cleome viscosa*) and Gandreni (*Angelica glauca*) on storage stability of Chicken Nuggets. XIth IMSACON, NRC-Meat, Hyderabad.
4. Rahman, C.K., Santhosh, V.R., **Bora, B.** & Mishra, V. 2022. Perception of youth on alternative protein sources: Some hints from ICAR-IVRI students. XIth IMSACON, NRC-Meat, Hyderabad.
5. **Bora, B.**, Arya A., Singh, P.K., Prabhakaran, P & Upadhyay, A.K. 2019. Comparison of quality characteristics of muscle and edible byproducts of Uttara fowl and Kadaknath chicken. IXth IMSACON & International Symposium, Palampur.
6. **Bora, B.**, Rawat, B.S., Anita, Singh, A & Joshi, S.K. 2018. Bioactive peptides generated from the slaughter house by-products. XIII Biannual National Conference of Association of Public Health Veterinarians & Symposium, G.B.P.U.A.&T. Pantnagar.

Awards

- Awarded **Best PhD Thesis Award** during the year 2024 in Livestock Products Technology by Indian Veterinary Association 96/1967 on the Occasion of World Veterinary Day 2025 at BASU, Patna on 26th April, 2025.
- Awarded with **2nd prize** in Oral presentation entitled “Characterization of Freeze-dried Chicken Heart Protein Hydrolysate Powders prepared by Lactobacilli Fermentation” during **XII**

Conference of IMSA and National Symposium on “Green and sustainable meat sector: Global game changer”, DUVASU, Mathura on September, 26-28, 2024.

- Awarded **Savitribai Phule Excellence Award 2025** in National Level Essay Writing Competition held by Pashudhan Praharee on 26th January, 2025.
- Awarded **C.M. Singh National Award of Excellence 2025** in National Level Essay Writing Competition held by Pashudhan Praharee on World Veterinary Day 26th April, 2025.

Certification/Training/Conferences

- Participated in internship training programme **DEFIAA-2 Consortium** in Food Processing under **French Ministry for Food and Agriculture** in *Bourg en Bresse & Saint Genis Laval Professional and Vocational Institutes, France* from February 03, 2019 to March 09, 2019.
- Participated in 14 days **High-End Workshop (Karyashala)** on **Application of advanced and sophisticated instrumentation in the development and characterization of functional dairy foods**, Sponsored by SERB (Accelerated Vigyan Scheme) in **ICAR- National Dairy Research Institute (NDRI)**, Karnal from 26th July to 8th August, 2023.
- Participated in **XVI Agricultural Science 2023 Congress & ASC Expo** as NAAS sponsored student, organized by National Academy of Agricultural Sciences (**NAAS**), New Delhi and hosted by **ICAR-CMFRI**, Kochi from 10th-13th October, 2023.
- Presented oral and poster presentation in **IMSACON-XI**, Conference of Indian Meat Science Association and International Symposium on Novel Technologies and Policy Interventions for Sustainable Meat Value Chain in NRC-Meat, Hyderabad from 14-16th December, 2022.
- Poster presentation as 1st speaker on” Bioactive peptides generated from the slaughter house by-products” in **XIII Biannual National Conference of Association of Public Health Veterinarians & Symposium** on The Role of Veterinary Public Health in Improving Food Security & Safety through One Health Approach during 30th November and 1st December, 2018 College of Veterinary and Animal Sciences G.B.P.U.A & T, Pantnagar, Udham Singh Nagar, Uttarakhand.
- **National Cadet Corp (NCC)B Certificate** at 47 Assam R&V Sqn NCC in the year 2014.
- **Visharad I** holder from Bhatkhande Sangeet Vidyapith, Lucknow.

Ph.D. Thesis Title

“Production and Utilization of Protein Hydrolysates from Chicken By-Products using Fermentation Technique” guided by Dr. Ashim Kumar Biswas, Principal Scientist, Division of LPT, ICAR-IVRI, Izatnagar.

M.V.Sc. Thesis Title

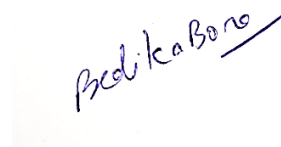
“Comparison of Quality Characteristics of Muscle and Edible By-Products of Uttarafoal and Kadaknath” guided by Dr. Anita, Asst. Professor, G.B.P.U.A.&T., Pantnagar.

Professional Membership

- Member, Indian Meat Science Association, Hyderabad
- Member, Indian Poultry Science Association, ICAR-CARI
- Member of Assam State Veterinary Council, Assam
- Registered practitioner under Veterinary Council of India
- Member of Veterinary Alumni Society of C.V.Sc, Assam Agriculture University.
- Member of Veterinary Alumni Society of College of Veterinary and Animal Sciences, G.B.P.U.A & T, Pantnagar, Udham Singh Nagar, Uttarakhand
- Member of Veterinary Alumni Society of ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly

Declaration

I hereby declare that the particulars given herein are true to the best of my knowledge and belief.



Place-Sikar, Rajasthan

(Dr. Bedika Bora)