

1. **Full name of the faculty member:** Amitava Roy
2. **Designation:** Assistant Professor (Stage-2)
3. **Specialisation:** Animal Nutrition
4. **Contact information:** Phone: 7001829725; e-mail ID: amitavanutri07@gmail.com
5. **Academic qualifications:**

College/ university from which the degree was obtained	Abbreviation of the degree
WBUAFS	BVSc & AH, MVSc (Animal Nutrition), PhD (Animal Nutrition)

6. **Positions held/ holding or Work Experience:**

Sl. No.	Institution / Place	Position	From (Date)	To (Date)
1.	WBUAFS, Murshidabad KVK	Subject Matter Specialist/T6 (Animal Sc.)	05.04.2013	31.10.2019
2.	WBUAFS, Kolkata	Assistant Professor	01.11.2019	continuing

7. **Awards:**

- a) **Best Oral Presentation Award-2013** in 2nd National Indian Academy of Veterinary Nutrition and Animal Welfare Conference
- b) **Best Oral Presentation Award-2015** in IX Biennial Conference of Animal Nutrition Association Conference
- c) **Junior Scientist of the Year Award – 2016** in International Conference on Environment & Ecology
- d) **Best Paper Award-2018** in National Seminar cum Panel Discussion
- e) **Best Poster Presentation Award-2018** in National Conference on Livelihood & Food Security
- f) **Best Poster Presentation Award-2019** in International Conference on Food Security through Agriculture & Allied Sciences
- g) **Best Oral Presentation Award-2019** in International Conference on Food Security through Agriculture & Allied Sciences

8. **Other notable activities:**

As PI & Co-PI in Projects : (PI: 02, Co-PI : 03)

- i. Act as **PI** in ATMA funded project on “Establishment of cost effective manual poultry incubator for production of good quality poultry”. **(Completed)**
- ii. Act as **PI** in ATMA funded project on “Integrated farming module for livelihood security”. **(Completed)**
- iii. Act as **Co-PI** in NABARD funded project on “Technology backstopping to the farmers’ club through cum demonstration programme”. **(Completed)**
- iv. Act as **Co-PI** in NABARD funded project on “Capacity building of farming community under farmers’ club of Murshidabad district”. **(Completed)**
- v. Act as **Co-PI** in NABARD funded project on “Capacity building of farming community under farmers’ club of Murshidabad district”. **(Completed)**

Leadership Role:

Head of the Department, Department of Livestock Farm Complex, West Bengal University of Animal and Fishery Sciences (2026-tilldate)

Students Guidance:

M.V.Sc students

Dr. Prasad Mahata, Dr. Sattwik Paik, Dr. Subhajit Goswami, Dr. Dipak Shit,

PhD students

Rahul Deb Mukherjee (pursuing)

Professional membership for scientific societies:

- 1) Life Member: Indian Society for sheep and goat reproduction & utilization. Acc No: 073203201
- 2) Life Member: Association of public health veterinarians. Membership No: 437
- 3) Life Member: Animal nutrition association, India. Membership No: 987
- 4) Life Member: Animal nutrition society of India. Membership No: 2162

5) Life Member: Society of bio-resource, environment and agricultural research. Reg. No: 27081

9. Publication:

a. Journals (National & International): with NAAS, IF rating

- 1) Rana, T., Sarkar, S., Mandal, T. K., Bhattyacharyya, K., & **Roy, A.** (2008). Arsenic residue in blood, urine and faeces samples from cattle in the Nadia district of West Bengal in India. *Internet J. Vet. Med*, 4(1).
- 2) **Roy, A.**, Haldar, S., Mondal, S., & Ghosh, T. K. (2010). Effects of supplemental exogenous emulsifier on performance, nutrient metabolism, and serum lipid profile in broiler chickens. *Veterinary medicine international*, 2010(1), 262604.
- 3) Mandal, G. P., **Roy, A.**, Samanta, I., & Biswas, P. (2011). Influence of dietary zinc and its sources on growth, body zinc deposition and immunity in broiler chicks. *Indian Journal of Animal Nutrition*, 28(4), 432-436. (NAAS: 5.19)
- 4) **Amitava Roy**, A. R., & Mandal, G. P. (2013). Effect of phytase supplementation on performance and nutrient availability in boilers. *Indian journal of animal health*, 52(1), 9-12. (NAAS: 5.01)
- 5) **Roy, A.**, Mandal, G. P., & Patra, A. K. (2013). Evaluating the performance, carcass traits and conjugated linoleic acid content in muscle and adipose tissues of Black Bengal goats fed soybean oil and sunflower oil. *Animal Feed Science and Technology*, 185(1-2), 43-52. (NAAS: 8.70)
- 6) Mandal, G. P., **Roy, A.**, & Patra, A. K. (2014). Effects of feeding plant additives rich in saponins and essential oils on the performance, carcass traits and conjugated linoleic acid concentrations in muscle and adipose tissues of Black Bengal goats. *Animal Feed Science and Technology*, 197, 76-84. (NAAS: 8.70)
- 7) **Roy, A.**, Mandal, G. P., Pal, K., Samanta, I., Biswas, P., & Roy, B. (2014). Effect of zinc supplementation with or without phytase on performance, mineral accumulation in tissues and immune response of broiler. *Anim Nutr and Feed Tech*, 14(2), 311-319. (NAAS: 5.00)
- 8) Mandal, G. P., **Roy, A.**, & Patra, A. K. (2016). Effects of plant extracts rich in tannins, saponins and essential oils on rumen fermentation and conjugated linoleic acid concentrations in vitro. *Indian J. Anim. Health*, 55, 49-60. (NAAS: 5.01)
- 9) Das, Ganesh, Saha, Avishek, Basunathe, V.K., Sultana, Samima, Seth , Pankaj, Singh, Navab, **Roy, Amitava**, Singh, N.K., Borah, Sayanika, Kalita, H.C. (2016). Dooars India: A potential place of farm or rural tourism: a review. *Journal of Progressive Agriculture*, 7(2), 148-151. (NAAS: 3.34)
- 10) Ghosh, A., Mandal, G. P., **Roy, A.**, & Patra, A. K. (2016). Effects of supplementation of manganese with or without phytase on growth performance, carcass traits, muscle and tibia composition, and immunity in broiler chickens. *Livestock Science*, 191, 80-85. (NAAS: 7.90)
- 11) **Roy, A.**, Mandal, G. P., & Patra, A. K. (2017). Effects of different vegetable oils on rumen fermentation and conjugated linoleic acid concentration in vitro. *Veterinary World*, 10(1), 11. (NAAS: 8.00)
- 12) Biswas, S., Goswami, A., **Roy, A.**, & Mazumdar, D. (2017). Study on productivity improvement of backyard Duckery through cross breeding in South Dinajpur district of West Bengal. *Journal of Crop and Weed*, 13(2): 157-160. (NAAS: 5.27)

- 13) **Roy, A.**, Roy, P. S., Datta, S., Halder, A., Roy, U., Pathak, P. K., ... & Maji, A. (2017). Supplementing rural livelihoods through backyard Duckery farming in Murshidabad district of West Bengal, India. *International Journal of Current Microbiology and Applied Sciences*, 6(12), 3460-3466. **(NAAS: 5.38)**
- 14) **Roy, A.**, Roy, P. S., Datta, S., Halder, A., Roy, U., Pathak, P. K., ... & Maji, A. (2018). Recovery of indigenous technical knowledges for sustainable agricultural farming innovations in Murshidabad District of West Bengal. *Int J Pure Appl Biosci*, 6(1), 284-291. **(NAAS: 4.55)**
- 15) **Roy, A.**, Datta, S., Roy, P. S., Biswas, S., & Prasad, S. (2018). Comparative assessment of production and hatchability performance of vanaraja, rhode island red and indigenous poultry birds under backyard rearing system at West Bengal. *International Journal of Livestock Research*, 7(8), 296-303. **(NAAS: 4.31)**
- 16) **Roy, A.**, Roy, P. S., Mandal, N., Kumar, S., & Biswas, P. K. (2018). comparative performances of improved poultry breeds under intensive condition in Murshidabad district of West Bengal. *International Journal of Current Microbiology and Applied Sciences*, 7, 1504-1508. **(NAAS: 5.38)**
- 17) Choudhary, R. K., **Roy, A.**, Roy, P. S., Singh, K. M., & Kumar, P. (2018). Effect of replacing concentrate mixture with Moringa leaves (*Moringa oleifera*) on performance of lactating bengal goats in Kishanganj District of Bihar, India. *International Journal of Current Microbiology and Applied Sciences*, 7, 2895-2900. **(NAAS: 5.38)**
- 18) Pathak, P. K., Roy, U., Taleb, A., Patra, S., **Roy, A.**, Roy, P. S., ... & Chatterjee, S. (2018). Effect of corm sett size on whole seed corm production of elephant foot yam (*Amorphophallus paeoniifolius* Dennst.) in the Gangetic plains of West Bengal. *Journal of Crop and Weed*, 14(2): 81-84. **(NAAS: 5.27)**
- 19) Roy, P. S., Roy, A., Pathak, P. K., Mandal, N., Soren, S., & Kumar, S. (2018). Effect of Azolla supplementation on milk yield and economics under farmers' field. *Journal of Crop and Weed*, 14(2), 77-80. **(NAAS: 5.27)**
- 20) Das, U. N., Jana, P., Pahari, T., **Roy, A.**, & Dhara, K. (2018). Comparative study on growth performance and economics between GIFT and local varieties of *Oreochromis niloticus* (Linnaeus, 1758) reared in pond culture systems. *International Journal of Pure & Applied Bioscience*, 6(5), 603-610. **(NAAS: 4.55)**
- 21) Chittapriya Ghosh, Shiv Prasad, Sanjoy Datta, Dulal Chandra Roy, **Amitava Roy**, Shyam Sundar Kesh and Nirmal Kumar Tudu. 2018. Effect of Cooling and Concentrate Feeding on Performances of Karan Fries Cattle under Loose Housing System. *Int.J.Curr.Microbiol.App.Sci*. 7(12): 2657-2670. **(NAAS: 5.38)**
- 22) Ghosh, C.P., Datta, S., Mandal, D., Das, A.K., Roy, D.C., **Roy, A** and Tudu, N.K. 2019. Body Condition Scoring in goat: Impact and significance. *Journal of Entomology and Zoology Studies*. 7 (2): 551-560. **(NAAS: 5.53)**
- 23) A. K. Das, N. Ghosh, N. K. Tudu , S. Datta, C. Ghosh , **A. Roy** And S. Mukherjee. 2019. A Study on Different Dietary Practices at Farmers' Field for Raising Layer Chicks in Deep Litter Brooding System. *Indian J. Anim. Hlth.* (2019), 58(1): 87-94. **(NAAS: 5.01)**

- 24) Dey, S., Patra, G., **Roy, A.**, Sarkar, H., & Kumar, S. (2019). A study on evaluation of functional and nutritional properties of different muscles of black Bengal goat. *Journal of Pharmacognosy and Phytochemistry*, 8(5S), 06-10.
- 25) S Kumar, G Patra, H Sarkar, **A Roy**, M Roy, S Biswas, ON Bhaskar and D Bhattacharyya. (2019). A study on evaluation of functional and nutritional properties of different muscles of black Bengal goat. *Journal of Pharmacognosy and Phytochemistry*, SP5, 01-05.
- 26) **Roy, A**, Roy, P. S., Mandal, N., & Kumar, S. (2019). Evaluation of chemical composition of fifteen commonly used ruminants feed ingredients locally available in Murshidabad District, West Bengal. *Journal of AgriSearch*, 6, 135-138. **(NAAS: 4.95)**
- 27) Kumar, S., Patra, G., **Roy, A.**, & Sarkar, H. (2019). Effect of age on meat quality of Black Bengal goat meat in different agro-climatic zones in west Bengal. *Journal of Entomology and Zoology Studies*, 7(5), 47-50. **(NAAS: 5.53)**
- 28) Patra, S., Pathak, P. K., **Roy, A.**, Taleb, A., Roy, P. S., Maji, A., & Roy, U. (2019). Induced breeding of Vietnam koi (*Anabas cobojus*, Hamilton, 1822) under controlled conditions at Murshidabad district, West Bengal. *Journal of Crop and Weed*. 15(2): 85-89. **(NAAS: 5.27)**
- 29) Sandeep Kumar, Gopal Patra, Halim Sarkar, Ratnesh Kumar Choudhary, Amit Kumar Saren and **Amitava Roy**. (2020). Effect of age on edible and non-edible carcass parameters of Black Bengal goat in different agro-climatic zones in West Bengal. *Journal of Entomology and Zoology Studies*. 8(1): 1165-1169. **(NAAS: 5.53)**
- 30) Choudhary, R. K., **Roy, A.**, Singh, N. K., Kumar, S., & Singh, R. K. (2020). Effect of bypass protein on milk production and economic of lactating crossbred cows. *Journal of AgriSearch*, 7(1):40-43. **(NAAS: 4.95)**
- 31) Ghosh, C. P., Datta, S., Das, A. K., Roy, D. C., **Roy, A.**, & Tudu, N. K. (2020). Sustainable broiler goat rearing: An overview. *Journal of Entomology and Zoology Studies*. 8(5): 423-426. **(NAAS: 5.53)**
- 32) Amit Kumar Saren, Pradip Sarkar, Durgadas Mondal, Keshav Kumar, Surajit Das and **Amitava Roy**. (2020). Management of fetal mummification through C-section in a golden retriever bitch: A case report. *The Pharma Innovation Journal*. SP-9(12): 99-100. **(NAAS: 5.23)**
- 33) Kumar, S., Saren, A. K., Choudhary, R. K., Mandal, N., Shee, A., Patra, G., & **Roy, A.** (2022). Effect of age on sensory characteristics and different cuts of black Bengal goat carcasses in different agro-climatic condition of West Bengal. *Journal of AgriSearch*. 9(2): 163-167. **(NAAS: 4.95)**
- 34) P Sarkar, CK Ghosh, K Kumar, A Shee, S Basu, S Kumar and **A Roy**. (2022). Medical management of closed pyometra in a bitch: A case report. *The Pharma Innovation Journal*. SP-11(7): 584-586. **(NAAS: 5.23)**

- 35) **Roy, A.**, Shee, A., Saren, A. K., Datta, S., & Sarkar, P. (2023). Study on effect of hydroponic maize fodder on performance of Bengal goat. *Journal of Animal Research*. 13(04), 591-595. **(NAAS: 4.78)**
- 36) **Roy, A.**, Choudhary, R. K., Shee, A., Saren, A. K., & Rana, T. (2023). Recent advancements in scientific management practices for enhancing the productivity of pigs: a review. *Current Journal of Applied Science and Technology*. 42(32), 42-53. **(NAAS: 4.71)**
- 37) Biswas, P., Dutt, T., Patel, B. H. M., Mondal, S. K., Mandal, M., Datta, S., ... & **Roy, A.** (2023). Assessment of gastro intestinal parasite prevalence in dairy cattle in three agro-climatic zones of west Bengal. *Ijvph*. 9, 36-41. **(NAAS: 3.35)**
- 38) Mondal, S., A. Seikh, G. P. Mandal, B. Roy, J. Mukherjee, S. Mondal, I. Samanta, **A. Roy**, and S. Soren. (2025). Evaluation of an essential oil blend derived from thymol, cinnamaldehyde, and menthol on the growth performance and gut health of broiler chickens. *Indian Journal of Animal Health*. 64(2), 281-293. **(NAAS: 5.01)**
- 39) **Roy, A.**, Biswas, P., Pakhira, M. C., Shee, A., Choudhary, R. K., Saha, D., & Biswas, S. (2026). Influence of black soldier fly (*Hermetia illucens* L.) larvae meal on growth, meat quality and sensory attributes of domesticated Japanese quails. *Ind J Vet Sci and Biotech*. 22(2), 46-51. **(NAAS: 5.58)**
- 40) Arkaprabha Shee, Partha Das and **Amitava Roy**. (2026). Cytoarchitectural identification of the suprachiasmatic nucleus in chicken hypothalamus. *International Journal of Advanced Biochemistry Research*. 10(6): 221-224. **(NAAS: 5.29)**
- 41) Mahata, P., Soren, S., Mandal, G. P., Biswas, P., Patra, G., Biswas, S., & **Roy, A.** (2026). Effect of shrimp meal on growth performance, digestibility, carcass characteristics, intestinal morphology, and immunological responses of broiler chicken. *Exploratory Animal & Medical Research*, 16(1), 108-15. **(NAAS: 5.00)**

b. Books/ Book chapters:

- 1) **Amitava Roy** and Tanmoy Rana. 2023. Chapter name: 6. Recent advances of application of Berberin on phospholipase A2 (PLA2): A novel and potent therapeutic inhibitor in targeting lung cancer. Elsevier publication. ISBN 978-0-323-95699-4. Page- 79-89.
- 2) **Amitava Roy**, Tanmoy Rana and Arkaprabha Shee. 2024. Chapter name: 8. Prevention and control of milk contamination, adulterants, antimicrobial residues, and agrochemicals. Elsevier publication. ISBN 978-0-443-13805-8. Page- 135-52.
- 3) Rahul Sharma, Shivangi Sharma, **Amitava Roy**, Tanmoy Rana, Ankur Khare, Sunil Nayak, and Sita Prasad Tiwari. 2024. Chapter name: 7. Housing management, equipment and ventilation of goats. Elsevier publication. ISBN 978-0-443-23696-9. Page- 83-100.

- 4) **Amitava Roy** and Tanmoy Rana. 2024. Chapter name: 8. Nutritional management of goat production. Elsevier publication. ISBN 978-0-443-23696-9. Page- 101-12.
- 5) **Amitava Roy** and Tanmoy Rana. 2024. Chapter name: 9. Feeds, feeding equipment and feeding habits of goats. Elsevier publication. ISBN 978-0-443-23696-9. Page- 113-34.
- 6) **Amitava Roy** and Tanmoy Rana. 2024. Chapter name: 16. Goat manure production and waste management. Elsevier publication. ISBN 978-0-443-23696-9. Page- 203-16.
- 7) S. Kumar, K. Kumar, R Kumari, **A Roy** & T Rana. 2025. Chapter name: 5. Impact of nutrition on reproduction in goats. John Wiley & Sons. ISBN 9781394189731. Page- 45-58.
- 8) A. Baindha, R. Singh, P Yadav, A Choudhary, **A Roy** & T Rana. 2025. Chapter name: 27. Infectious abortive diseases: Campylobacteriosis. John Wiley & Sons. ISBN 9781394189731. Page- 319-26.
- 9) **A Roy** & T Rana. 2025. Chapter name: 39. Stillborn, week and dead kid. John Wiley & Sons. ISBN 9781394189731. Page- 445-56.
- 10) S Yogeshpriya, **A Roy** & T Rana. 2025. Chapter name: 46. White muscle disease. John Wiley & Sons. ISBN 9781394189731. Page- 517-24.
- 11) **Amitava Roy**, Tanmoy Rana, Probhakar Biswas. 2024. Chapter name: 1. General Introduction. Narendra Publishing House. ISBN 978-93-5651-839-1. Page- 1-13.
- 12) Stephen Soren, **Amitava Roy**. 2025. Book name: Rabbit Farming. Nipa Genx Electronic Resources and Solutions. ISBN 978-93-58878-33-2. Page- 1-138.
- 13) **Amitava Roy**, Tanmoy Rana, and Partha Sarathi Roy. 2024. Chapter name: 1. Introduction. Springer Nature. ISBN 978-981-97-4664-4. Page- 1-14.
- 14) **Amitava Roy**, Tanmoy Rana. 2024. Chapter name: 8. Impact of Mycotoxins on Pig Production. Springer Nature. ISBN 978-981-97-4664-4. Page- 105-22.
- 15) **Amitava Roy**, Tanmoy Rana. 2024. Chapter name: 9. Effect of Environment on Pig's Health. Springer Nature. ISBN 978-981-97-4664-4. Page- 123-40.
- 16) **Amitava Roy**, Tanmoy Rana, and Arkaprabha Shee. 2025. Chapter name: 10. Periparturient Immunological Disorders. John Wiley & Sons, Inc. ISBN 9781394203970. Page- 93-100.
- 17) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 13. Ruptured ear drums and its clinical management. Bentham Science Publishers. ISBN 978-981-5313-59-8. Page- 160-64.
- 18) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 24. Energy and protein requirements for livestock for maintenance, growth and reproduction. Narendra Publishing House. ISBN 978-93-5651-635-9. Page- 326-32.
- 19) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 1. Introduction. Nova Science Publishers. ISBN 979-8-89530-425-9. Page- 1-12.
- 20) Partha Sarathi Roy, **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 2. Biomarkers for Intestinal Health. Nova Science Publishers. ISBN 979-8-89530-425-9. Page- 13-22.
- 21) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 3. Gut Health in Commercial Feed Formulation. Nova Science Publishers. ISBN 979-8-89530-425-9. Page- 23-32.
- 22) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 4. The Composition and Dynamics of Microbiomes. Nova Science Publishers. ISBN 979-8-89530-425-9. Page- 33-44.

- 23) **Amitava Roy**, Tanmoy Rana and Madhuchhanda Khan. 2025. Chapter name: 7. Microbiomes in Stress Regulation. Nova Science Publishers. ISBN 979-8-89530-425-9. Page- 119-30.
- 24) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 15. Microbiomes of Pig and Horse Health, Disease, and Production. Nova Science Publishers. ISBN 979-8-89530-425-9. Page- 231-44.
- 25) P Biswas, **A Roy**, MC Pakhira, D Saha, S K Das, S Biswas, N K Tudu, S Soren, S K Shaw, S Das, K Das. 2025. Book name: Livelihood development through mixed farming. Mehanati Publishers. ISBN 978-81-985036-6-4. Page- 1-208.
- 26) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 15. Microbiomes of Pig and Horse Health, Disease, and Production. Nova Science Publishers. ISBN 979-8-89530-425-9. Page- 231-44.
- 27) **Amitava Roy**. 2026. Book name: Diversified Poultry Farming: An Alternative of Traditional Poultry Farming. Satish Serial Publishing House. ISBN 978-93-53876-96-8. Page- 1-111.
- 28) **Amitava Roy**, Probhakar Biswas, Tanmoy Rana. 2025. Chapter name: 6. Impact of cow nutrition on sustainable milk production. Elsevier. ISBN 978-0-443-24820-7. Page- 55-66.
- 29) **Amitava Roy**, Probhakar Biswas, Tanmoy Rana. 2025. Chapter name: 6. Impact of cow nutrition on sustainable milk production. Elsevier. ISBN 978-0-443-24820-7. Page- 55-66.
- 30) **Amitava Roy**, Tanmoy Rana, Probhakar Biswas. 2025. Chapter name: 8. Environmental indices on lactation. Elsevier. ISBN 978-0-443-24820-7. Page- 55-66.
- 31) **Amitava Roy**, Tanmoy Rana, Probhakar Biswas. 2025. Chapter name: 8. Environmental indices on lactation. Elsevier. ISBN 978-0-443-24820-7. Page- 55-66.
- 32) **Amitava Roy**, Tanmoy Rana, Madhuchhanda Khan and Ratnesh Kumar Choudhary. 2025. Chapter name: 33. Supplies of water during milking. Elsevier. ISBN 978-0-443-24820-7. Page- 409-18.
- 33) **Amitava Roy**, Tanmoy Rana, Madhuchhanda Khan. 2025. Chapter name: 42. Preparation of milk byproducts. Elsevier. ISBN 978-0-443-24820-7. Page- 511-24.
- 34) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 6. Measures of occurrence of disease pattern and association. John Wiley & Sons, Inc. ISBN 9781394208159. Page- 99-106.
- 35) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 7. Animal disease surveillance, survey system and associate indices. John Wiley & Sons, Inc. ISBN 9781394208159. Page- 107-16.
- 36) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 9. Animal disease alerts and forecasting. John Wiley & Sons, Inc. ISBN 9781394208159. Page- 135-44.
- 37) Ashemi Yusuf, **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 16. Observational studies. John Wiley & Sons, Inc. ISBN 9781394208159. Page- 207-14.
- 38) **Amitava Roy**, Tanmoy Rana, Arkaprabha Shee . 2025. Chapter name: 21. Animal health, management and nutritional epidemiology. John Wiley & Sons, Inc. ISBN 9781394208159. Page- 261-70.
- 39) **Amitava Roy**, Tanmoy Rana. 2025. Chapter name: 30. Precision livestock farming and its advantage to the environment. John Wiley & Sons, Inc. ISBN 9781394208159. Page- 343-48.
- 40) **Amitava Roy**, Tanmoy Rana, and Probhakar Biswas. 2025. Chapter name: 37. Poultry Production and Management. Nipa Genx Electronic Resources and Solutions. ISBN 978-93-58878-28-8. Page- 593-606.

- 41) **Amitava Roy**, Tanmoy Rana, and Stepehen Soren. 2026. Chapter name: 12. Animal Behaviour in Domestication. Taylor & Francis Group. ISBN 978-1-003-42684-4. Page- 111-20.
- 42) **Amitava Roy**, Tanmoy Rana. 2026. Chapter name: 1. Introduction to diseases, production, and management. Elsevier. ISBN 978-0-443-28878-4. Page- 3-12.
- 43) **Amitava Roy**, Tanmoy Rana. 2026. Chapter name: 9. Feeds, feeding equipment, and feeding habits of cattle. Elsevier. ISBN 978-0-443-28878-4. Page- 10-18.
- 44) **Amitava Roy**, Tanmoy Rana. 2026. Chapter name: 10. Impact on stress on cattle production. Elsevier. ISBN 978-0-443-28878-4. Page- 119-28.
- 45) **Amitava Roy**, Rahul Deb Mukherjee and Tanmoy Rana. 2026. Chapter name: 1. Introduction. Agri-Biovet Press. ISBN 978-9393405395. Page- 1-11.
- 46) **Amitava Roy**, and Tanmoy Rana. 2026. Chapter name: 2. Identification of Sick Calves with Poor Appetite and Low Body Condition. Agri-Biovet Press. ISBN 978-9393405395. Page- 12-29.