

## ACADEMIC PROFILE

1. **Full name of the faculty member:** Dr. Ripan Biswas.
2. **Designation:** Assistant Professor, Department of Veterinary Public Health & Epidemiology, West Bengal University of Animal and Fishery Sciences, Kolkata-700037.
3. **Specialization:** AMR, One Health, Food borne diseases and zoonotic diseases.
4. **Contact information:** [dr.ripanbiswas@gmail.com](mailto:dr.ripanbiswas@gmail.com)
5. **Academic qualifications:**



Sl. No.	Degree	Year	Subject	University/Institution
1.	H.S.	2002	Maths, Physics, Chemistry, Biology	West Bengal Council of Higher Secondary Education
2.	B.V.Sc. & A. H.	2007	Veterinary and Animal Sciences	West Bengal University of And Fishery Sciences
3.	M.V.Sc.	2009	Veterinary Public Health, Immunology, Biotechnology	Indian Veterinary Research Institute
4.	PhD	2026	Veterinary Public Health, Veterinary Microbiology	West Bengal University of And Fishery Sciences
5.	NET	2016	Veterinary Public Health	ICAR-ASRB

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

Sl. No.	Positions held	Name of the Institute	From	To
1.	Senior Research Fellow	Indian Veterinary Research Institute	1-11-2009	28-02-2010
2.	Veterinary Officer & Block Livestock Development Officer	Animal Resources Development Department, Govt. of West Bengal	23-10-2010	01-12-2019
3.	Assistant Professor	West Bengal university of Animal and Fishery Sciences	02-12-2019	Till date

### **7. Membership of Learned Societies:**

- i. American Society for Microbiology (ASM)
- ii. Association of Public Health Veterinarians (APHV).
- iii. Indian Association of Veterinary Public Health Specialist (IAVPH)
- iv. Society for Animal Welfare, Production and Health (SAWPH)
- v. Indian Society for Veterinary Immunology and Biotechnology (ISVIB)
- vi. West Bengal Veterinary council.

### **8. Awards:**

- Best Oral Presentation Award, National Congress on Veterinary Public Health & 16th Biennial Conference of Association of Public Health Veterinarians, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, 20–21 February 2025.
- Dr. C. Natarajan Endowment Award (Gold Medal) in Community Science (Veterinary Public Health), awarded at the International Conference of Association of Public Health

Veterinarians in collaboration with Nepal Veterinary Public Health Association, Kathmandu, 2023.

- Best Paper Award, National Symposium on *Public Health Challenge Mitigation Strategies at the Confluence of One Health Approaches*, College of Veterinary Science & A.H., DUVASU, Mathura; organized by Association of Public Health Veterinarians (APHV).
- Best Poster Award, National Conference on *Transboundary Zoonotic Diseases: Challenges & Strategies in NEH Region*, Sikkim; organized by Indian Association of Veterinary Public Health Specialists (IAVPHS).
- Junior Research Fellowship (JRF), Indian Council of Agricultural Research (ICAR), 2007.

#### 1. Fund Received:

- Rs. 200000/- from Anusandhan National Research Foundation (ANRF) in the year 2025 for organizing National Symposium on “Breaking Silos: Proclaiming One Health Approach for Addressing Zoonoses”. (Proposal ID: SSY/2025/000603)
- Rs. 150000/- from Department of Biotechnology, Govt. of India in the year 2025 for organizing National Symposium on “Breaking Silos: Proclaiming One Health Approach for Addressing Zoonoses”. (Proposal ID: DBT/CTEP/01/20250458223)

#### 2. Administrative post and port Folio:

- Provost, APC Hostel, WBUAFS
- Joint Secretary, Association of Public Health Veterinarians (2023-2026)
- Executive Member, Indian Association of Veterinary Public Health Specialists (2026-2028).

#### 3. Organizer:

- Organizing Secretary of National Symposium on “Breaking Silos: Proclaiming One Health Approach for Addressing Zoonoses” on 4<sup>th</sup> July, 2025 at WBUAFS.

#### 4. Conference/ seminar attendant:

2025

- Biswas, R. Attended *Translating One Health into action in combatting emerging diseases, drug resistance and ensuring food safety under changing climatic scenario*. Organized by Association of Public Health Veterinarians (APHV).
- Biswas, R. Attended “*Breaking Silos: Proclaiming One Health approach for addressing zoonoses*”. Organized by APHV & West Bengal University of Animal and Fishery Sciences (WBUAFS).
- Biswas, R. Attended *International conference on precision animal breeding through genomics, artificial intelligence and machine learning*. Organized by Indian Society of Animal Genetics and Breeding (ISAGB).
- Biswas, R. Attended *Advancing animal health and production through biochemical and biotechnological innovations*. Organized by Society of Veterinary Biochemists & Biotechnologists of India (SVBBI).

2023

- Biswas, R. Attended *Role of public health veterinarians in low- and middle-income countries to achieve health security through One Health approach*. Organized by Association of Public Health Veterinarians (APHV).
- Biswas, R. Attended *Current scenario of antimicrobial resistance in humans and animals: Mitigation through a One Health approach*. Organized by West Bengal University of Animal and Fishery Sciences (WBUAFS).

2022

- Biswas, R. Attended *One-day seminar on dengue awareness*. Organized by WBUAFS & SERB.

2020

- Biswas, R. Attended *Public health challenge mitigation strategies at the confluence of One Health approaches*. Organized by Association of Public Health Veterinarians (APHV).
- Biswas, R. Attended *Combatting the millennium pandemic COVID-19*. Organized by American Society for Microbiology (ASM).
- Biswas, R. Attended *American Chemical Society on campus programme*. Organized by American Chemical Society (ACS).

2019

- Biswas, R. Attended *Innovative progress in animal health and production for safe and secure food under One Health perspective*. Organized by Indian Association for the Advancement of Veterinary Research (IAAVR).
- Biswas, R. Attended *Nutritional strategies for improving farm profitability and clean animal production*. Organized by Animal Nutrition Society of India.

2018

- Biswas, R. Attended *The role of veterinary public health in improving food security and safety through One Health approach*. Organized by Association of Public Health Veterinarians (APHV).

2012

- Biswas, R. Attended *Conservation and disease management of wild animals*. Organized by West Bengal Veterinary Council.

2008

- Biswas, R. Attended *International symposium on food safety, quality assurance and global trade: Concerns and strategies*. Organized by Indian Association of Veterinary Public Health Specialists (IAVPHS).
- Biswas, R. Attended *Newer concepts and strategies for disease diagnostics and immunoprophylaxis for enhancing livestock health and production*. Organized by Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases (IAVMI).

#### **5. Training/ Workshop/ Certificate course:**

2023

- Biswas, R. Completed *Onsite training programme on blended learning platform (2 days)*. West Bengal University of Animal and Fishery Sciences (WBUAFS).
- Biswas, R. Completed *High-end Karyashala on techniques for designing, synthesis, characterization and application of synthetic peptides in biological sciences (10 days)*. Indian Veterinary Research Institute (IVRI).
- Biswas, R. Completed *Short-term course on One Health: A health promotion perspective (Part I) (5 weeks)*. Indian Institute of Technology (IIT), Kharagpur.
- Biswas, R. Completed *Short-term course on One Health: A health promotion perspective (Part II) (4 weeks)*. Indian Institute of Technology (IIT), Kharagpur.

2022

- Biswas, R. Completed *Induction/Orientation programme for faculty of universities/colleges/institutes for higher education (28 days)*. Teaching Learning Centre, Ramanujan College, University of Delhi.

- Biswas, R. Completed *Short course on municipal (urban) public health veterinarian* (3 weeks). College of Veterinary Science & A.H., Mhow, Nanaji Deshmukh Veterinary Science University.
- Biswas, R. Completed *Regional training programme for CPCSEA nominees* (2 days). Ministry of Fisheries, Animal Husbandry and Dairying, Government of India.
- Biswas, R. Completed *Training on advances in quality assurance and hygienic production of animal-origin foods* (10 days). Mumbai Veterinary College, MAFSU.
- Biswas, R. Completed *Management development programme on developing winning proposals* (6 days). ICAR–NAARM.

2021

- Biswas, R. Completed *Training programme on recent advances in quality assurance of meat and meat products* (6 days). Mumbai Veterinary College.
- Biswas, R. Completed *Training on application of novel methods in prevention and control of zoonoses and ensuring food safety* (21 days). College of Veterinary Science & A.H., Mhow, Nanaji Deshmukh Veterinary Science University.
- Biswas, R. Completed *International training on gene cloning: Advances and applications in veterinary sciences* (1 week). Mumbai Veterinary College, MAFSU.

2020

- Biswas, R. Completed *Science leadership workshop* (6 days). University of Punjab.
- Biswas, R. Completed *Infection prevention and control (IPC) for COVID-19*. World Health Organization (WHO).
- Biswas, R. Completed *Faculty development programme on managing online classes and co-creating MOOCs 3.0* (4 weeks). Teaching Learning Centre, Ramanujan College, University of Delhi.
- Biswas, R. Completed *Training-cum-orientation programme on physio-biochemical and biotechnological approaches for optimization of health and reproduction in animals* (21 days). College of Veterinary Science & A.H., Mhow, Nanaji Deshmukh Veterinary Science University.

## 6. Publications:

2025

- Hennessey, M., Samanta, I., Fournié, G., Quaife, M., Gautham, M., Paleja, H., Papaiyan, K., Biswas, R., & Alarcon, P. (2025). Broiler farming and antibiotic use through an agency theory lens: A case study from West Bengal, India. *PLOS ONE*, 20(1), e0314090. <https://doi.org/10.1371/journal.pone.0314090>
- Dixit, B., Singh, A. P., Tomar, S., Biswas, R., Singh, R., Dixit, M., & Jha, A. M. (2025). A cross-sectional study on use of antibiotic growth promoters and status of antimicrobial resistance in intestinal non-fastidious aerobic bacterial microflora of broilers in Vindhya region of Madhya Pradesh. *Indian Journal of Veterinary Public Health*, 11(2), 32–38. <https://doi.org/10.62418/ijvph.11.2.2025.32-38>
- Chowdhury, S., Barua, R., Debnath, C., Biswas, R., Baidya, S., Bhanja, R., Chaudhuri, S., Batabyal, K., Pradhan, S., Raj, A., & Dutta, T. K. (2025). Comparative evaluation of modified ZN staining and sandwich ELISA-based detection of *Cryptosporidium* spp. isolated from cattle and buffalo calves in and around Kolkata. *Indian Journal of Veterinary Public Health*, 11(2), 53–57. <https://doi.org/10.62418/ijvph.11.2.2025.53-57>
- Saha, M., Majumder, S., Barua, R., Biswas, R., & Debnath, C. (2025). Japanese encephalitis virus: A zoonotic arbovirus in the One Health context. *Indian Journal of Veterinary Public Health*, 11(2), 8–14. <https://doi.org/10.62418/ijvph.11.2.2025.8-14>

2024

- Biswas, R., Debnath, C., Barua, R., & Samanta, I. (2024). Microplastics: A One Health priority agenda. *One Health Bulletin*.
  - Sharmila, L., Pal, A., Biswas, R., Batabyal, K., Dey, S., Joardar, S. N., Dutta, T. K., Bandyopadhyay, S., Pal, S., & Samanta, I. (2024). In silico insights of ESBL variants and tracking the probable sources of ESBL-producing *Escherichia coli* in a small-scale poultry farm. *Microbial Pathogenesis*, 106710.
- 2023
- Debnath, C., Barua, R., & Biswas, R. (2023). The link between biodiversity degradation and zoonotic diseases. *Indian Journal of Veterinary Public Health*, 9(2), 1.
- 2022
- Biswas, R., Debnath, C., Bandyopadhyay, S., & Samanta, I. (2022). One Health approaches adapted in low-resource settings to address antimicrobial resistance. *Science in One Health*, 1, 100011.
  - Biswas, R., Debnath, C., Amla, Pramanik, A. K., Barua, R., & Samanta, I. (2022). First report of ESBL/beta-lactamase producing Enterobacteriaceae in Indian fruit bat: A reservoir of antimicrobial resistance. *Indian Journal of Veterinary Public Health*, 9(1), 24–31.
  - Biswas, U., Biswas, R., Samanta, I., & Das, S. (2022). Global emergence of mcr-mediated colistin resistance in gram-negative bacteria: Current status in India under a One Health lens.
  - Mevada, Y., Debnath, C., Pramanik, A. K., Raj, A., Samanta, I., Barua, R., Banik, A., & Biswas, R. (2022). Biofilm formation by zoonotic dermatophytes. *Indian Journal of Animal Health*, 61(2), 305–309.
  - Singh, A. D., Debnath, C., Biswas, R., Barua, R., & Gurung, N. (2022). *Scedosporium apiospermum* isolated from a skin wound in a dog and in vitro activity of eleven antifungal drugs. *Vlaams Diergeneeskundig Tijdschrift*, 91(6).
- 2021
- Biswas, R., Debnath, C., Samanta, I., Barua, R., & Singh, A. D. (2021). Ecology of bats and their role in emerging zoonotic diseases: A review. *Scientific and Technical Review of the OIE*, 39(3).
  - Singh, A. D., Debnath, C., Pradhan, S., Mondal, S., Biswas, R., Barua, R., & Sar, T. K. (2021). Exploration of in vitro synergistic antifungal potential of *Ficus racemosa* and *Cassia fistula* against multidrug-resistant *Microsporium canis*. *Exploratory Animal and Medical Research*, 11(1), 115–118.
- 2020
- Biswas, R., Debnath, C., Samanta, I., Barua, R., & Singh, A. D. (2020). COVID-19: Panic vis-à-vis pandemic. *Indian Journal of Animal Health*, 59(1), 1–10.
  - Singh, A. D., Debnath, C., Chaudhuri, S., Biswas, R., Barua, R., Samanta, I., & Mandal, G. P. (2020). Studies on phytoextracts for antifungal activities against *Microsporium canis*. *Indian Journal of Animal Health*, 59(1), 45–49.
  - Singh, A. D., Debnath, C., Biswas, R., & Barua, R. (2020). Analysis of putative virulence-associated factors of *Nannizzia gypsea* isolated from pet dogs. *Journal of Entomology and Zoology Studies*, 8(2), 1931–1935.
- 2013
- Nambiar, P., Agarwal, R. K., Kannan, P., Zunjar, B. D., Karthikeyan, A., Singh, S., & Biswas, R. (2013). Evaluation of recombinant outer membrane protein-based vaccine against *Salmonella Typhimurium* in birds. *Biologicals*, 41(3), 162–168.
- 2012
- Rawat, S., Bhilegaonkar, K. N., Kumar, A., Dubal, Z. B., Singh, M., Biswas, R., & Lokesh, K. M. (2012). Prevalence of group A rotavirus in bovine calves in North India. *Journal of Veterinary Public Health*, 10(1), 7–10.
- 2011
- Biswas, R., Agarwal, R. K., Bhilegaonkar, K. N., Kumar, A., Nambiar, P., Rawat, S., & Singh, M. (2011). Cloning and sequencing of biofilm-associated protein (*bapA*) gene and its

occurrence in different serotypes of *Salmonella*. *Letters in Applied Microbiology*, 52(2), 138–143.

- Singh, M., Singh, D. K., Boral, R., Kumari, G., Rawat, S., & Biswas, R. (2011). Multitesting of brucellosis in small ruminants. *Online Journal of Veterinary Research*, 15(6), 468–475.

2010

- Singh, M., Singh, D. K., Kumari, G., Shivaramu, K. V., Biswas, R., Rawat, S., Boral, R., Singh, S., & Cheema, P. S. (2010). Serum as a clinical specimen in PCR for diagnosis of ovine brucellosis. *Indian Journal of Animal Sciences*, 80(1), 17–18.

## 7. Book:

- Biswas, R., Debnath, C., Barua, R., Pradhan, S., & [Insert remaining 8 authors' initials & surnames here]. (2025). *Breaking silos: Proclaiming one health approach for addressing zoonoses*. Kolkata Press Books. ISBN: 978-93-48907-15-8
- Biswas, R., Singh, M., Singh, A. P., & Samanta, I. (2026). *Concept of One Health and Zoonoses*. Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>

## 8. Book Chapters:

- I. Ram Pratim Deka, M. Suman Kumar, E.S. Sanjumon, Ripan Biswas, Chapter 9 - Brucellosis: A neglected zoonosis, Editor(s): Indranil Samanta, Samiran Bandyopadhyay, Olivier sparagano, *Neglected Zoonoses and Antimicrobial Resistance*, Academic Press, 2025, Pages 167-182, ISBN 9780443160622, <https://doi.org/10.1016/B978-0-443-16062-2.00009-5>
- II. Biswas, R. (2026). Fasciolosis and fasciolopsiasis. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- III. Biswas, R. (2026). Systemic mycoses. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- IV. Biswas, R. (2026). Zoonoses. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- V. Biswas, R. (2026). Zoonotic pathogens as agents of bioterrorism. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. 75–82). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- VI. Biswas, R., & Samanta, I. (2026). Glanders. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- VII. Biswas, R., & Samanta, I. (2026). History and scope of veterinary public health. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- VIII. Biswas, R., & Samanta, I. (2026). Japanese encephalitis. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- IX. Biswas, R., & Samanta, I. (2026). Plague. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- X. Biswas, R., & Singh, M. (2026). Monkeypox. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>

- XI. Biswas, S., Biswas, R., & Samanta, I. (2026). Antimicrobial resistance. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- XII. Patyal, A., Rawat, S., Tomar, P., & Biswas, R. (2026). One Health concept and its evolution. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>
- XIII. Rawat, S., & Biswas, R. (2026). Nipah virus infection. In R. Biswas, M. Singh, A. P. Singh, & I. Samanta (Eds.), *Concept of One Health and zoonoses: Breaking silos for the promotion of public health* (pp. xx–xx). Springer Nature Singapore. <https://doi.org/10.1007/978-981-95-6627-3>

## 9. Editorial Board:

- *Bio Vet Innovator Magazine* (ISSN No: 3048-8397)

## 10. Reviewer:

- *PLOS ONE*
- *Asian Journal of Research in Infectious Diseases*
- *American Journal of Life Sciences*
- *Infection, Genetics and Evolution*
- *Ciência Rural*
- *Journal of Scientific Research and Reports*
- *Journal of Veterinary and Animal Sciences*
- *Pesquisa Veterinária Brasileira*
- *Veterinary Medicine and Science*
- *Veterinary Medicine International*
- *Routledge Open Research*
- *Exploratory Animal and Medical Research*
- *Indian Journal of Animal Health*
- *Indian Journal of Veterinary Public Health*
- *Frontiers for Young Minds*
- *Translational Veterinary and Biological Research*

## 11. Books/Reports/Chapters/General articles etc.

2025

- Samanta, I., & Biswas, R. (2025). *Overcoming antimicrobial resistance: Not only medicinal but a social challenge*. Kolkata Press Book.

2021

- Debnath, C., Biswas, R., & Barua, R. (2021). *Conventional laboratory diagnosis of dermatophytoses*. West Bengal University of Animal and Fishery Sciences.
- Debnath, C., Biswas, R., & Barua, R. (2021). *Zoonoses revisited in the perspective of biodiversity and One Health*. West Bengal University of Animal and Fishery Sciences.
- Debnath, C., Biswas, R., & Barua, R. (2021). *Laboratory diagnosis of cryptococcosis*. West Bengal University of Animal and Fishery Sciences.

2018

- Biswas, R., & Das, S. (2018). *Japanese quail farming as a suitable protein source alternative vis-à-vis sustainable livelihood in rural economy*. The Technical Bulletin, West Bengal Veterinary Association.

2014

- Biswas, R. (2014, December). *Hog cholera: An overview*. Monthly Animal Disease Report, Directorate of Animal Resources and Animal Health, West Bengal.

- Biswas, R. (2014, July). *Japanese encephalitis*. Monthly Animal Disease Report, Directorate of Animal Resources and Animal Health, West Bengal.

2009

- Agarwal, R. K., Bhilegaonkar, K. N., Biswas, R., & Nambiar, P. (2009). *Identification and characterization of Salmonella by molecular methods*. In Short course on advances in molecular diagnosis of important bacterial diseases of animals (ICAR & IVRI).
- Prejit, Agarwal, R. K., Punnoose, P., & Biswas, R. (2009). *Dynamics of emerging viral zoonoses in Indian milieu and its control*. In National seminar on recent trends in the diagnosis and control of animal diseases with special reference to public health.

## 12. Radio/TV Talk:

- Biswas, R. Expert talk on *Role and importance of veterinary services*. Krishidarshan, Doordarshan.
- Biswas, R. Expert talk on *Rabies awareness and public health perspectives*. Krishidarshan, Doordarshan.
- Biswas, R. Expert talk on *Role of veterinarians in livestock diseases and public health*. Krishidarshan, Doordarshan.
- Biswas, R. Talk on *Zoonotic parasites in agriculture and rural settings*. Akashvani (All India Radio).
- Biswas, R. Participation in *Krishi Kathar Asar*. Akashvani (All India Radio).
- Biswas, R. Expert talk on *Safe lifestyle practices to prevent Nipah virus*. Krishidarshan, Doordarshan.

## 13. Invited Lecture:

- Biswas, R. Invited as Resource Person for the conference “*One Health – From Concepts to Practice*” (Theme: *From Silos to Synergy: Bridging Concepts and Practice in One Health*), 14 October 2025 at AIIHPH.
- Biswas, R. Delivered an invited lecture on *Impact of antimicrobial resistance in humans and animals* during ICAR-sponsored short course, West Bengal University of Animal and Fishery Sciences (WBUAFS), 14 February 2026.
- Biswas, R. Delivered an invited lecture on *One Health approach and zoonotic diseases: threats, control, and containment* organized by Animal Resources Development Department (AARM), Government of West Bengal, 29 January 2026.
- Biswas, R. Delivered an invited keynote lecture on “*Together for Tomorrow: Breaking Silos in One Health*,” organized by Vetnet, CLIRNET Service Private Limited, December 20, 2025.
- **Biswas, R.** Delivered an invited lecture on “*Together for Tomorrow: Breaking Silos in One Health*,” organized by the National One Health Program for Prevention and Control of Zoonoses (NOHP-PCZ), Sentinel Surveillance Site on Zoonoses, Department of Microbiology, IPGME&R (Funded by NCDC, Ministry of Health & Family Welfare, Government of India), November 6, 2025.
- **Biswas, R.** Invited to deliver a lecture on “*Bacteria in the food and environment-common infections acquired through these routes*,” for the Summer Training Program jointly organized by the Department of Veterinary Microbiology, WBUAFS, and Sri Shikshayatan College, Kolkata, June 9, 2026.
- **Biswas, R.** Delivered an invited lecture on “*Common zoonotic diseases in West Bengal*,” for the undergraduate internship programme organized by Students' Health Home, Kolkata, June 6, 2026.

(Ripan Biswas)

