

## ACADEMIC PROFILE



1. **Full name of the faculty member:** Dr. Ripan Biswas.
2. **Designation:** Assistant Professor, Department of veterinary Public Health, West Bengal University of Animal and Fishery Sciences, Kol-700037.
3. **Specialization:** 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	2023 (In-service pursuing)	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. West Bengal Veterinary council.

### 8. Awards:

- Junior Research Fellowship, 2007 by Indian Council of Agricultural Research, India
- Best poster award in National conference on Transboundary zoonotic diseases: Challenges & strategies in NEH Region, Sikkim organized by Indian Association of Veterinary Public Health Specialist (IAVPH).
- Best paper award in National Symposium on Public Health Challenge mitigation strategies at

the confluence of One health approaches at CVSc&AH, Mathura by Association of Public Health Veterinarians (APHV).

- Dr. C. Natarajan Endowment Award (Gold Medal) on Community Science in Veterinary Public Health for 2023 in the international conference of Association of Public Health Veterinarians in collaboration with Nepal Veterinary Public Health Association, Kathmandu, Nepal.

**9. Conference/ seminar attendant:**

<b>SL NO.</b>	<b>Title of Conference / Seminar</b>	<b>Organized by</b>
<b>i.</b>	International symposium on Food safety, quality assurance and global trade: Concerns & Strategies.	Indian Association of Veterinary Public Health Specialist (IAVPH)-2008
<b>ii.</b>	Newer concept & strategies for disease diagnostics & immune-prophylaxis for enhancing Livestock health & Production.	Indian Association of Veterinary Microbiologists, Immunologists & specialists in infectious diseases (IAVMI)-2008
<b>iii.</b>	The role of Veterinary Public Health in improving food security & safety through one health approach.	Association of Public Health Veterinarians (APHV)-2018
<b>iv.</b>	Innovative progress in Animal Health & production for safe and secured food under One Health perspective	Indian Association for the Advancement of Veterinary Research (IAAVR)-2019
<b>v.</b>	Conservation & disease management of wild animals.	West Bengal Veterinary Council-2012
<b>vi.</b>	Nutritional strategies for improving farm profitability and clean animal production.	Animal Nutrition Society of India-2019
<b>vii.</b>	Public Health Challenge Mitigation Strategies at the Confluence of One Health Approaches.	Association of Public Health Veterinarians (APHV)-2020
<b>viii.</b>	Role of Public Health Veterinarians in Low- and Middle-Income Countries to Achieve Health Security Through One Health Approach.	Association of Public Health Veterinarians (APHV)-2023.
<b>ix.</b>	Current Scenario of Antimicrobial Resistance in Humans and Animals: Mitigation through a One health Approach	West Bengal university of Animal and fishery Sciences-2023
<b>x.</b>	Emerging Practices in Animal Husbandry and Fisheries vis-a-vis climate change	Indian Journal of Animal Health

xi.	One day seminar on Dengue Awareness-2022	WBUAFS&SERB
xii.	Combatting with the Millennium Pandemic Covid-19 2020	American Society for Microbiology
xiii.	American Chemical Society on Campus-2020	ACS

#### 10. Training/ Workshop/ Certificate course:

SL NO.	Title of Training/ Workshop/ Certificate course	Organized by
I.	Induction/ Orientation Programme for Faculty of Universities/ Colleges/ Institutes for Higher Education (28 days)-2022	Teaching Learning Centre, Ramanujan College, University of Delhi
II.	Short Course on Municipal (Urban) Public health Veterinarian (3 weeks)-2022	College of Veterinary Science & A.H., Mhow, Nanaji Deshmukh Veterinary Science University
III.	Two days Regional training Programme for Nominees of CPCSEA-2022	Ministry of Fisheries, Animal husbandry and dairying
IV.	Onsite Training Programme on Blended learning Platform (Two days)-2023	WBUAFS
V.	High End Karyashala on Basic techniques for Designing, Synthesis, Characterization and Application of Synthetic Peptides in Biological Sciences (10 days)-2023	IVRI
VI.	Short term Course on One health: A health promotion Perspective (Part-I) (5 weeks)-2023	IIT, Kharagpur
VII.	Short term Course on One health: A health promotion Perspective (Part-II) (4 weeks)-2023	IIT, Kharagpur
VIII.	Science leadership workshop (6 days)-2020	University of Punjab
IX.	Infection Prevention and Control for Novel Coronavirus (COVID-19)	WHO
X.	4 weeks faculty development programme on Managing Online Classes & Co-Creating Moocs 3.0-2020	Teaching Learning Centre, Ramanujan College, University of Delhi
XI.	Training cum orientation programme on Physio-biochemical & biotechnological approaches for optimization of health and reproduction in animals. 21 days-2020	College of Veterinary Science & A.H., Mhow, Nanaji Deshmukh Veterinary Science University
XII.	Training Programme on Recent Advances on Quality Assurance of meat and meat products (6 days)-2021	Mumbai veterinary College
XIII.	21 days training on Application of Novel methods in Prevention and Control of Zoonoses and Ensuring Food safety. 21 Days-2021	College of Veterinary Science & A.H., Mhow, Nanaji Deshmukh Veterinary Science University

XIV.	Ten days training on Advances in Quality Assurance and Hygienic Production of Animal Food Origin Foods-2022	Mumbai Veterinary College, MAFSU
XV.	One Week International Training on Gene cloning: Advances & Applications in Veterinary Sciences-2021	Mumbai Veterinary College, MAFSU
XVI.	Management Development Programme on Developing Winning proposals (6 days)-2022	ICAR-NAARM

## 11. Publications:

- i. Biswas, R., Agarwal, R.K., Bhilegaonkar, K. N., Kumar, A., Nambiar, P., Rawat S. and S.,Singh, M. (2011) Cloning and sequencing of biofilm-associated protein (bapA) gene and its occurrence in different serotypes of Salmonella. *Lett Appl Microbiol* 52(2), 138-143.
- ii. R. Biswas, C. Debnath, I. Samanta, R. Barua & A.D. Singh (2021) Ecology of bats and their role in emerging zoonotic diseases: a review. *Scientific and Technical Review by OIE (World Organization for Animal Health)* 39(3)
- iii. R. Biswas, C. Debnath, I. Samanta , R. Barua and A. D. Singh (2020) Covid-19: Panic Vis-A- Vis Pandemic. *Indian Journal of Animal Health* 59(1), 1-10.
- iv. Biswas, R., Debnath, C., Barua, R. and Samanta, I., 2024. Microplastics: A One Health priority agenda. *One Health Bulletin*, pp.10-4103.
- v. Biswas, R., Debnath, C., Bandyopadhyay, S. and Samanta, I., 2022. One Health approaches adapted in low resource settings to address antimicrobial resistance. *Science in One Health*, 1,p.100011.
- vi. Biswas R, Debnath C, Amla, Pramanik AK, Barua R, Samanta I. First Report of ESBL/ Beta-lactamase Producing Enterobacteriaceae in Indian Fruit Bat: the Primitive and Sustainable Species of Ecosystem as a Reservoir of Antimicrobial Resistance. *Indian Journal of Veterinary Public Health*. 2022; 9(1): 24-31.
- vii. Abhishek Dharm Singh, Chanchal Debnath, Ripan Biswas and Rahul Barua (2020) Analysis of putative virulence-associated factors of *Nannizzia gypsea* isolated from pet dogs. *Journal of Entomology and Zoology Studies* 8(2), 1931-1935.
- viii. Abhishek Dharm Singh, Chanchal Debnath, Saktipada Pradhan, Samiran Mondal, Ripan Biswas, Rahul Barua and Tapas Kumar Sar (2021) Exploration of in vitro synergistic antifungal potential of *Ficus racemosa* and *Cassia fistula* L. against multi-drug resistant *Microsporium canis*. *Explor Anim Med Res* 11(1), 115-118.
- ix. A. D. Singh , C. Debnath , S. Chaudhuri , R. Biswas , R. Barua , I. Samanta and G. P. Mandal (2020) Studies On Some Phytoextracts For Their Antifungal Activities Against *Microsporium Canis*. *Indian Journal of Animal Health* 59(1), 45-49.
- x. Rawat, S., Bhilegaonkar, K. N., Kumar, A., Dubal, Z. B., Singh, M., Biswas, R. and Lokesh, K. M. (2012) Prevalance of group A Rota virus in bovine calves on north India. *J Vet Pub Hlth* 10 (1), 7-10.
- xi. Singh, M., Singh, D. K., Boral, R., Kumari, G., Rawat, S. and Biswas, R. (2011) Multitestinogf Brucellosis in small ruminants. *Online J of Vet Res* 15(6), 468-475.
- xii. Nambiar, P., Agarwal, R.K., Kannan, P., Zunjar, B. D., Karthikeyan, A., Singh, S. and Biswas, R. (2013) Evaluation of recombinant outer membrane protein based vaccine against *Salmonella* Typhimurium in birds. *Biologicals*, 41(3), 162-168.
- xiii. Singh, M., Singh, D. K., Kumari, G., Shivaramu, K.V., Biswas, R., Rawat, S., Boral, R., Singh, S. and Cheema, P. S. (2010) Serum as clinical specimen in PCR for diagnosis of ovine brucellosis. *Ind J Ani Sci* 80(1), 17-18.
- xiv. Biswas, U., Biswas, R., Samanta, I. and Das, S., 2022. Global emergence of mcr-mediated colistin resistance in gram-negative bacteria: focusing the current status in India under one health lens.
- xv. Sharmila, L., Pal, A., Biswas, R., Batabyal, K., Dey, S., Joardar, S.N., Dutta, T.K.,

- Bandyopadhyay, S., Pal, S. and 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*, p.106710.
- xvi. Mevada, Y., Debnath, C., Pramanik, A.K., Raj, A., Samanta, I., Barua, R., Banik, A. and Biswas, R., 2022. Biofilm formation by zoonotic dermatophytes. *Indian J Anim Health*, 61(2), pp.305-309.
- xvii. Singh, A.D., Debnath, C., Biswas, R., Barua, R. and 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).
- xviii. Debnath, C., Barua, R. and Biswas, R., 2023. The Link between Biodiversity Degradation and Zoonotic Diseases. *Indian Journal of Veterinary Public Health*, 9(2), p.1.

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

Sl. No	Title	Author's Name	Publisher	Year of Publication
1.	Conventional Laboratory Diagnosis of Dermatophytoses	Dr. Chanchal Debnath, Dr. Ripan Biswas and Dr. Rahul Barua	West Bengal University of Animal and Fishery Sciences	2021
2.	Zoonoses Revisited in the Perspective of Biodiversity and One Health	Dr. Chanchal Debnath, Dr. Ripan Biswas and Dr. Rahul Barua	West Bengal University of Animal and Fishery Sciences	2021
3.	Laboratory Diagnosis Of Cryptococcosis	Dr. Chanchal Debnath, Dr. Ripan Biswas and Dr. Rahul Barua	West Bengal University of Animal and Fishery Sciences	2021
4.	Japanese quail farming as suitable protein source alternative vis-à-vis sustainable livelihood in rural economy	Ripan Biswas and Sudip Das	The Technical Bulletin, West Bengal Veterinary Association	2018
5.	Hog Cholera: an Overview	Ripan Biswas	Monthly Animal Disease Report, Directorate of Animal Resources and Animal Health, West Bengal.	December 2014
6.	Japanese Encephalitis	Ripan Biswas	Monthly Animal Disease Report, Directorate of Animal Resources and Animal Health, West Bengal.	July, 2014
7.	Identification and characterization of Salmonella by molecular methods.	Agarwal, R. K., Bhilegaonkar, K. N., Biswas, R. and Nambiar, P.	Short course on Advances in molecular diagnosis of important Bacterial Diseases of Animals by ICAR & IVRI	2009

8.	Dynamics of emerging viral zoonoses in Indian milieu and its control	Prejit, Agarwal, R. K., Punnoose, P. and Biswas R	National seminar on recent trends in the diagnosis and control of animal diseases with special reference to public health.	2009
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**Radio/TV Talk:**

- I. Role and Importance of Veterinary Services-As expert in Krishidarshan, Dooradarshan.
- II. Augmentation Rabies awareness and its pertinent thought in Krishidarshan, Dooradarshan.
- III. Importance of Veterinary Doctor for Livestock diseases & Public health in Krishidarshan, Dooradarshan.
- IV. Zoonotic Parasites in Agriculture and Rural Broadcast in Akashbani
- V. Krishi Kathar Asar in Akashbani.



**( Ripan Biswas)**