

**Dr Vaishali, Ph.D.**

Assistant Professor

Rajasthan University of Veterinary and Animal Science, Bikaner, Rajasthan India;

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## EDUCATION

**Doctor of Philosophy**, Lala Lajpat Rai University of Veterinary and Animals Sciences, Hisar **2019 to 2024**  
Major: Veterinary Public Health and Epidemiology  
Dissertation title: Epidemiological studies on porcine astrovirus from piggery units in Haryana

**Masters of Veterinary Sciences**, Lala Lajpat Rai University of Veterinary and Animals Sciences **2017 to 2019**  
Major: Veterinary Public Health and Epidemiology

**Bachelor of Veterinary Sciences** Lala Lajpat Rai University of Veterinary and Animals Sciences **2012 to 2017**

## RESEARCH INTERESTS

Applied Epidemiology, QGIS, Zoonoses, Molecular bacteriology and virology

## TEACHING AND MENTORING EXPERIENCE

**Assistant Professor (RAJUVAS, Bikaner)** **03/2024 to Present**  
• Associated with UG teaching, extension activities, research

**Assistant Professor (Sanskaram Veterinary College)** **02/2023 to 02/2024**  
• Associated with UG Teaching

## TECHNICAL SKILLS

- Microbiological and immunological techniques like isolation, characterization and identification of various bacteria by culture characteristics
- Molecular biology techniques: DNA/RNA extraction, PCR, RT-PCR
- Excellent organizational, time management and multitasking skills
- GIS aided software: QGIS for spatial mapping
- Electrophoretic techniques including AGE
- Epidemiological studies: Designing questionnaires, preparing surveys
- Cell culture techniques

## PUBLICATIONS

- Vaishali, Gupta, R., Kumar, M., Bansal, N., Vivek, Kumar, P., Kumar, P. and Jindal, N (2023). Coinfection of porcine astrovirus and other porcine viruses in diarrheic pigs in Haryana, India. Archives of Virology, 168:246.
- **Vaishali**, Gupta R, Jhandai P, Singh D. (2020). GIS-augmented survey of poultry farms with respiratory problems in Haryana. Tropical Animal Health and Production, 52(6):3123-3134.
- Deep, A., Grakh, K., **Vaishali**, Kumar, M., Gupta, R., Mittal, D., Kumar, R., & Jindal, N. (2023). Molecular epidemiology, antibiogram profile and risk factor analysis of pathogenic Escherichia coli associated with pre-weaning diarrhoea in piglets from Haryana, India. Journal of Infection and Public Health, 16(11), 1793-1801.
- Moudgil, P., Kumar, R., Jangir, B. L., Gupta, R., **Vaishali**. and Jindal, N. (2022). Epidemiology, risk factors and molecular characterization of small ruminant morbillivirus in Haryana, India. Research in Veterinary Science, 151, 164-174.
- Kumari, S., Pandey, A.K., Kumar, S., **Vaishali**, Bagri, P., Magotra, A. and Kumar, S (2024). Seasonal comparative analysis of follicular interleukin concentration and expression of IL1RII, IL4 and IL1RA in cystic follicles versus normal preovulatory follicles in buffalo. Indian Journal of Animal Research.

Dr. Vaishali

Ph.D. (Veterinary Public Health and Epidemiology)

- Kumari, S., Kumar, S., Pandey, A.K., **Vaishali**, and Malik, M. (2024). Incidence of follicular cysts in buffaloes. *International Journal of Advanced Biochemistry Research*. SP-8(7):47-49.
- **Vaishali**, Singh, D., Jhandai, P., Gupta, R., Kumar, S. and Joshi, V. G. (2020). Epidemiological studies on *Mycoplasma synoviae* infection in poultry in parts of Haryana. *The Pharma Innovation*, 100(19), 19-00.
- **Vaishali**, Singh, D., Jhandai, P., Gupta, R., Kumar, S. and Joshi, V. (2020). Molecular and phylogenetic analysis of *Mycoplasma synoviae* in Haryana. *Journal of Entomology and Zoology Studies*, 8(1), 1016-1018.
- **Vaishali**, Singh, D. and Gupta, R. (2020). Molecular and Phylogenetic Analysis of *Mycoplasma gallisepticum* in Haryana, India. *International Journal of Current Microbiology and Applied Sciences*, 9(1), 2518-2523.
- **Vaishali**, Singh, D. and Gupta, R. (2020). Epidemiological Distribution of *Mycoplasma gallisepticum* in Haryana, India. *International Journal of Current Microbiology and Applied Sciences*, 9(1): 2512-2517.
- Jhandai, P., Kumar, A., **Vaishali**. and Gupta, R. (2019). Detection of *Escherichia coli* from food of animal origin in hisar district of Haryana. *The Haryana Veterinarian*, 58(2), 245-247.
- **Vaishali**, Jhandai. P., Jadhav, V. J. and Gupta, R. (2019). Bio-preservation of foods: a review. *European Journal of Nutrition and Food Safety*, 11(4), 164-174.
- **Vaishali**, Jhandai. P., Malik, A., Talukdar, S. J., & Singh, P. (2020). Emergence and containment of zoonoses after disasters. *The Pharma Innovation*, 9(2): 282-287.
- Deepak, **Vaishali**, Gupta, R., Jadhav, V., Singh, D. and Farooq, S. (2019). Pinniped Zoonoses: A Review. *International Journal of Livestock Research*, 9(11), 1-11.

## CONFERENCE PRESENTATIONS

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Five national and two international conference presentations with being awarded in:

- Second prize for “Risk factor analysis of porcine astrovirus in Haryana, India” in XXXIV Annual convention of Indian association of veterinary microbiologists, immunologists and specialists in infectious disease and national conference on current trends in immunodiagnosics and vaccinology for health and livestock and poultry.
- Second prize for ‘A study on occurrence of avian mycoplasmosis (RDC) of poultry in relation to artificial and natural ventilation’ in National Symposium on Public Health Challenge Mitigation Strategies at the Confluence of One Health Approaches and XIV Biennial National Conference of Association of Public Health Veterinarians (APHV) held at College of Veterinary Science and Animal Husbandary, Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura on Jan 24-25, 2020.
- First prize for “Detection of porcine astrovirus and assessment of various risk factors in piggery units in Haryana, India” in International Symposium “Promotion of One Health: opportunities, challenges & solutions” and XIXth Annual conference of Indian association of Veterinary public health specialists (IAVPHS) in 2023