

Dr. Akshika Agrawal

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PROFESSIONAL SKILLS

- Sample collection & laboratory diagnostics
- Disease surveillance & outbreak investigation
- Meat & milk hygiene inspection
- Proximate & microbial analysis
- Biosecurity & sanitation practices
- Microbiological diagnostics & pathogen detection
- PCR (basic exposure) & AST
- Biosafety & public health lab practices
- Microbiological Analysis & Pathogen Detection

SOFT SKILLS

- Communication
- Collaboration
- Attention to Detail
- Critical Thinking
- Time Management
- Team Work

LANGUAGES

- Hindi (Native fluency)
- English (Full Professional Fluency)

SUMMARY

M.V.Sc. in Veterinary Public Health with a strong academic background in zoonotic diseases, food safety, epidemiology, and public health management. Skilled in disease surveillance, laboratory diagnostics, and hygienic evaluation of animal products. Experienced in field investigations, public awareness programs, and research activities.

EXPERIENCE

Internship Trainee (2023-2024): Completed a one-year rotational internship across veterinary hospitals, livestock farms, diagnostic laboratories, and public health units. Gained hands-on experience in clinical veterinary practices, disease diagnosis, sample collection, and field-level disease control measures. Assisted in vaccination drives, outbreak investigations, and implementation of biosecurity practices.

FIELD EXPOSURE: Field exposure in zoonotic disease surveillance, meat and milk hygiene inspection, and public health awareness activities during internship and M.V.Sc. program. Practical experience in sample collection, laboratory testing, and hygienic evaluation of animal products. Involved in farmer and public interaction regarding disease prevention, sanitation, and safe animal product handling.

EDUCATION

COLLEGE OF VETERINARY AND ANIMAL SCIENCE, BIKANER

Rajasthan University of Veterinary and Animal Sciences, Bikaner
Master of Veterinary Science Veterinary Public Health
2024-2025
Grade: 8.5/10

MAHATMA JYOTIBA FULE COLLEGE OF VETERINARY AND ANIMAL SCIENCES, CHOMU

Rajasthan University of Veterinary and Animal Sciences, Bikaner
Bachelor of Veterinary Science and Animal Husbandry (B.V.Sc. & A.H) 2018-2024
Grade: 8.79/10

TRAININGS AND CERTIFICATIONS

1. Webinar on "Antimicrobial Resistance: A One Health Perspective" organized by Department of Veterinary Microbiology and Animal Biotechnology Teaching and Research Cell, Nagpur Veterinary College, Nagpur 2023.
2. 2nd International Conference on Multidisciplinary Research & Practice for Sustainable Development & Innovation 2024.

3. "Indian Association of Veterinary Microbiologists Immunologists and Specialists in Infectious Diseases (IAVMI) and National Conference on "Impact of Animal Health on One Health and National Prosperity" 2024.
4. World Veterinary Day Quiz Organized by Rajasthan University of Veterinary and Animal Sciences, Bikaner 2024.
5. Holistic Solution to Problems in Avian Medicine & Surgery organized by Jivdaya Charitable Trust, Ahmedabad 2024.
6. Hands on One Day Training Programme on Animal Biomedical Waste Management & Disposal organized by Animal Biomedical Waste Disposal Technology Centre, RAJUVAS, Bikaner 2025.
7. International Symposium on "Advancing One Health: Concept to Action For Promoting Human, Animal and Environmental Health" & XXI Annual Conference of Indian Association of Veterinary Public Health Specialists (IAVPHS) GADVASU 2025.
8. 25th Indian Veterinary Congress & 32nd Annual Conference of IAAVR & National Symposium jointly organized by Indian Association For The Advancement of Veterinary Research & Apollo Veterinary College, Jaipur 2025

PROFESSIONAL REGISTRATIONS

- **Veterinary Council of India (VCI), New Delhi**
- **Rajasthan State Veterinary Council**
(Regn. No: RVC-7954)
- **Indian Association of Veterinary Public Health Specialists**
(Regn No-1055)

PUBLICATIONS

1. Jayant Swami, Deepika Goklaney, Hemlata and Akshika Agrawal. Molecular detection and toxigenic profiling of *Bacillus cereus* in milk-based sweets of Bikaner, Rajasthan: A public health perspective. *Int. J. Adv. Biochem. Res.* 2026;10(1):710-716.
2. Agrawal, A., Swami, J., Shipra, & Vaishali (2025). *Revolutionizing Veterinary Public Health with AI. Bio Vet Innovator Magazine*, 2(3), 9-11.
3. Shipra, Godara, R., Agrawal, A., & Vaishali (2025). *Public Health Implications of Microbial Food Safety and Food Borne Disease in Developing Countries. Bio Vet Innovator Magazine*, 2(3), 5-8.
4. Agrawal A., Shipra. *Diseases of Camelus dromedarius of zoonotic importance. Pashudhan Praharee*, 12 Dec 2024.
5. Shipra, Akshika, Vaishali, Devender Choudhary. *Detrimental Effects of abuse of Plastic. Pashudhan Praharee*, 19 Oct 2024.
6. Scientific Database Submission
 - Sequence deposited in NCBI GenBank, Accession No. PX974494
 - Sequence deposited in NCBI GenBank, Accession No. PX974483

ACADEMIC RESEARCH

1. "Isolation and Molecular Characterization of *Salmonella* spp. In Raw Milk of Cattle and Goats."

(M.V.Sc. Thesis Project)

At College of Veterinary & Animal Sciences, RAJUVAS, Bikaner