

# CURRICULUM VITAE



## **Dr. KM HIMANI**

POLICE FIRE STATION

DEVIKUND, DEOBAND

SAHARANPUR, U.P.

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## **Career Objective**

To build career in a growing organization, where I can get opportunities to prove my abilities by accepting challenges, fulfilling the organizational goal and climb the career ladder through continuous learning and commitment.

## **Education**

- **Doctor of Philosophy in Veterinary Microbiology 7.97**  
IVRI Deemed University, Izatnagar, Bareilly.
- **ASRB/ICAR National Eligibility Test (NET)**  
Indian Council of Agricultural Research, New Delhi
- **Master of Veterinary Science in Veterinary Microbiology 8.209**  
Nanaji Deshmukh Veterinary Science University, Jabalpur.
- **Bachelor of Veterinary Science and Animal Husbandry degree 7.83**  
Rajasthan University of Veterinary & Animal Sciences, Bikaner
- 12<sup>th</sup> Passed from U.P Board.
- 10<sup>th</sup> Passed from Uttrakhand Board.

**Ph.D. Thesis Title:** Biophysical Characterization and Evaluation of Antibiotics Loaded Nanocarriers Against Brucella Infection

**M.V. Sc Thesis Title:** Characterization of Extended Spectrum Beta Lactamase *Escherichia coli* from Calves

## Technical Experience

- Working with a variety of microorganisms
- Knowledge of microbiological techniques
- Handling of Laboratory animals
- Cell line culture
- 6 months experience of internship in polyclinic

## Teaching Experience

- Designation- Assistant Professor
- Time- 01 year 09 months
- Place- R.R. CVAS, Deoli, Tonk, Rajasthan

## List of Publications

1. **K.M. Himani**, Anju Nayak, Joycee Jogi, Ajay Rai, Vandana Gupta, Poonam Shakya, Sanjay Shukla, Akshay Garg (2025). Detection and Plasmid Profiling of Extended Spectrum Beta Lactamase Producing *Escherichia coli* from Diarrheic Calves. Indian Journal of Animal Research. (NAAS 6.44)
2. **K. M. Himani**, Subbaiyan Anbazhagan, Lakshmi Prakasan, Prasad Thomas, Akhilesh Kumar, Krishnaswamy Narayanan, Praveen Singh and Pallab Chaudhuri (2024). Augmenting the safety and therapeutic efficacy of doxycycline and rifampicin-loaded solid lipid nanoparticles against *Brucella abortus* using murine model. Future Journal of Pharmaceutical Sciences. (Impact Factor 3.4)
3. S. Anbazhagan, **K.M. Himani**, R. Karthikeyan, Lakshmi Prakasan, M. Dinesh, Sonu S. Nair, Jonathan Lalsiamthara, Abhishek, S.G. Ramachandra, V.K. Chaturvedi, Pallab Chaudhuri, Prasad Thomas (2023). Comparative genomics of *Brucella abortus* and *Brucella melitensis* unravels the gene sharing, virulence factors and SNP diversity among the standard, vaccine and field strains. International Microbiology. (Impact Factor 3.1)
4. **K.M. Himani**, Anju Nayak, J. Jogi, A. Rai, V. Gupta, P. Shakya, S. Bordoloi, A. Lade, N. Rajput, B. Gupta (2022). Characterization of Extended Spectrum Beta Lactamase Producing *Escherichia coli* from Calves. Indian Journal of Animal Research. (NAAS 6.44)
5. **KM Himani**, S Anbazhagan, Lakshmi Prakasan, Dengam Geyi, Lulu Gonmei, Pallab Chaudhuri, Prasad Thomas, Akhilesh Kumar and K Narayanan (2023). De novo synthesis of Solid lipid

nanoparticles (SLN) by double emulsion method and detailed biophysical characterization. (NAAS 5.23)

6. **K. M. Himani**, A. Nayak, J. Jogi, P. Shakya, S. Bordoloi, A. Lade, N. Rajput and B. Gupta (2021). Isolation, Identification and Antibiotic Sensitivity Pattern of *Escherichia coli* Isolated from Diarrheic and Non-diarrheic Calves. International Journal of Current Microbiology and Applied Sciences.
7. Lulu Gonmei, Sophia Inbaraj, Dengam Geyi, Lakshmi Prakashan, **Himani**, V. Athira, Prasad Thomas (2023). Evaluation of bacteriophage cocktail as biopreservatives against *Salmonella enterica* serovar *Typhimurium* in chicken meat. (Impact Factor 5.20)
8. K. Mohanapriya, Himani Agri, Subbaiyan Anbazhagan, Damini Khawaskar, Varsha Jayakumar, Michael V. Lalrinzuala, **Himani K.M.**, Sophia I., Asok K. Mariappan, Abhishek, Viswas Konasagara Nagaleekar, Dharmendra K. Sinha, Pallab Chaudhuri, Vinod K. Chaturvedi, Bhoj R. Singh, Prasad Thomas (2023). Development and validation of multiplex PCR based molecular serotyping of *Salmonella* serovars associated with poultry in India. Journal of Microbiological Methods. (Impact Factor 2.6)
9. Poonam Shakya, Anju Nayak, R.K. Sharma, A.P. Singh, R.V. Singh, Joycee Jogi, Ajay Rai, Smita Bordoloi, **K. Himani**, Aishwarya Lade (2022). Effect of Incubation Time on the Biofilm Formation by Methicillin Resistant *Staphylococcus aureus*. Indian Journal of Animal Research. (NAAS 6.44)
10. A. Lade, J. Jogi, A. Nayak, R.V. Singh, A. Rai, P. Shakya, **K. Himani**, S. Bordoloi (2022). Coexpression of Methicillin-resistant *S. aureus* and ESBL Producing *E. coli* in Mastitic Milk of Buffaloes. Indian Journal of Animal Research. (NAAS 6.44)
11. M.S. Kushwaha, Anju Nayak, A.K. Rai, S. Bordoloi, V. Gupta, J. Jogi, P. Shakya, **K. Himani**, B. Gupta (2020). Antibacterial Potential of Fungal Endophytes Isolated from *Carica papaya*. Indian Journal of Animal Research. (NAAS 6.44)
12. Anju Nayak and **Himani K. M.** (2021). Strategies to Combat Biofilm Formation. Journal of Indian Veterinary Association. (Review article)
13. J. Jogi, A. Nayak, P. Shakya, A. Rai, S. Bordoloi, and **K. Himani** (2020). Classification And Typing of *Pasteurella multocida*: A Review. (Review article)
14. J. Jogi, A. Nayak, P. Shakya, A. Rai, S. Bordoloi, and **K. Himani** (2020). Novel Applications of Bacterial Ghost- A Review. (Review article)
15. J. Jogi, A. Nayak, P. Shakya, A. Rai, R. Gangil, R. Sikrodia, S. Bordoloi, A. Lade and **K. Himani** (2020). Outer Membrane Proteins of *Pasteurella multocida*: A Review. (Review article)

16. **Km Himani**, Ram Kumar, Bhagraj Godara and Assim Verma (2022). Brucellosis: a potential threat to livestock and humans. **(Popular article)**
17. **Himani K.**, Smita Bordoloi, Aishwarya Lade, Joycee Jogi, Poonam Shakya, Anju Nayak (2020). Vector Borne Diseases of Companion Animals. **(Popular article)**
18. Sudhir Kumar Prajapati, Deepti Narang, Pallavi Slathia, Sonu S Nair, Athira V, **Km Himani**, Bablu Kumar, Prasad Thomas, V.K Chaturvedi, P. Dandapat and Abhishek (2023). Diagnosis of Bovine Tuberculosis. **(Popular article)**
19. Aishwarya Lade, **Himani K.**, Smita Bordoloi, Ajay Rai, Poonam Shakya, Joycee Jogi, and Anju Nayak (2020). Hemorrhagic Septicemia. **(Popular article)**
20. Aishwarya Lade, **Himani K.**, Smita Bordoloi, Poonam Shakya, Joycee Jogi, Ajay Rai and Anju Nayak (2020). Rabies awareness and cure. **(Popular article)**

### Participation in training

1. High-End workshop on “Biosecurity, Biosafety, Capacity and Capability Building: Working with Infectious Agents (BBCCB-2023) - **CSIR-Institute of Microbial Technology, Chandigarh** (16-22 January, 2023)
2. One day workshop on Zoonotic Diseases: Prevention and Control – **ICAR-NRCE, Hisar** (6<sup>th</sup> July, 2022)
3. ICAR summer school on Recent trends in molecular diagnosis of microbial pathogen associated with livestock and poultry – **NDVSU, Jabalpur** (31st August-20 September, 2019)
4. 21 days online training course entitled Recent Advances in Disease Diagnosis Vaccines - **College of Veterinary Science & Animal Husbandry, Jabalpur** (27 July-16 August, 2021)
5. Three days online training programme on Laboratory Animals in Biomedical Research - **Post Graduate Institute of Veterinary & Animal Sciences, Akola** (16th-18th March, 2021)
6. 12 Days Online International Training Course on Biotechnological Approaches in Animal Research and Disease Diagnosis - **Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana** (1 -12 February, 2021)

### Paper presentation

1. Anbazhagan Subbaiyan, **Km Himani\***, Syed Atif Ali, Shiv varan singh, Jonathan Ialsiamthara, Suman Kumar M, Prasad Thomas, Pallab Chaudhuri. Multiplex PCR assay for differentiation of *Brucella abortus* S19per vaccine and *Brucella* field isolates at International Conference On Contemporary Multidisciplinary Issues in "Applied Science,

Humanities, Agriculture, Animal Health & Production (ASHAA-2022). (Third prize in  
**Oral presentation**)

2. **K.M. Himani\***, Anju Nayak, J. Jogi, B. Gupta, N. Rajput, A. Rai, V. Gupta, P. Shakya, S. Bordoloi. Characterization of Extended Spectrum Beta Lactamase Producing Escherichia coli from Calves at **37<sup>th</sup> M.P. Young Scientist Congress (2022)**. (Awarded for Fellowship of Young Scientist)
3. **K.M. Himani\***, Anju Nayak, J. Jogi, B. Gupta, N. Rajput, A. Rai, V. Gupta, P. Shakya, S. Bordoloi, S. M. Wasnik. Characterization of Extended Spectrum Beta Lactamase Producing Escherichia coli from Buffalo Calves at XVI National Online Conference on Sustainable Contribution of ATMANIBHAR Woman Veterinarians in Enrichment of Production Potential in Livestock through Applications of Modern Technologies (IAWV-2020)

#### **Declaration**

I solemnly declare that all the above information is correct to the best of my knowledge and belief.

Date: 17/12/2025

Place: Deoli, Tonk

*Himani*