PROFILE

I. PERSONAL DETAILS



Name	**Dr. AMBIKA SHARMA**				
Designation	Professor-Veterinary Biochemistry				
Address	Department of Veterinary Biochemistry, College of Veterinary Science and Animal Husbandry, DUVASU, Mathura-281001, Uttar Pradesh				
E-mail	ambika.sharma@upvetuniv.edu.in				
Vidwaan ID	441192				
h-index	11	**i-10 index**	13	**Citations**	340

II. QUALIFICATION

Degree	Specialization	Year	Institute/ University
Post-Doctoral Training	Natural Products and Drug Discovery	2023	School of Health, Research and Bioscience, University of East London, United Kingdom (UK)
Ph.D.	Veterinary Biochemistry	2019	College of Veterinary Science and Animal Husbandry, DUVASU, Mathura
M.V.Sc.	Veterinary Biochemistry	2006	College of Veterinary Science and Animal Husbandry, DUVASU, Mathura
B.V.Sc.& A.H.	Veterinary Sciences	2004	College of Veterinary Science, Guwahati, Assam

III. PROFESSIONAL EXPERIENCE

Designation	Period		Institute/Organization
	From	To	
Professor-Veterinary Biochemistry	04/07/2025	continuing	College of Veterinary Science, DUVASU, Mathura
Associate Professor-Veterinary Biochemistry	04/07/2022	03/07/2025	
Assistant Professor-Veterinary Biochemistry	04/07/2009	03/07/2022	
Scientist-A	20/12/2006	03/07/2009	Indian Herbs, Saharanpur

IV. AREA OF INTEREST

Antimicrobial Peptides, Clinical Biochemistry, Pre-clinical Studies, Natural-Product Drug Discovery

V. PROJECTS

Extramural	01 (Associate Scientist)	Intramural	03 (PI: 01, Co-PI: 02)

VI. STUDENTS GUIDED

Role	M.V.Sc.
Guide/Major Advisor/Supervisor	03
Member Advisory Committee	16

VII. PATENTS (01)

Title	Application No.	Inventors	Current Status
Partial purification/ extraction of urinary protein from indigenous cows using ion exchange chromatography.	201711045518A Date of Filing: 19 Dec 2017	Dr. Ambika Sharma, Dr. Rajesh Nigam, Abhishek Pal, Vaibhav Tomar	Published-2019, First Examination Report (FER) issued-2026

VIII. AWARDS & ACHIEVEMENTS

	Name of the Award	Year	Awarding Authority
1.	Senior Scientist Award	2024	Society of Veterinary Biochemists and Biotechnologists of India (SVBBI)
2.	Jury Member Young Scientist Award	2024	Society of Veterinary Biochemists and Biotechnologists of India (SVBBI)
3.	Dr. C.M. Singh "Shushruta" Gaurav Ratna Samman	2024	National Level Essay Writing Competition on the topic " Role of veterinarians & Livestock sector for Viksit Bharat@2047, Pashudhan Prahree
4.	Certificate of Appreciation	2024	IDP-NAHEP, DUVASU, Mathura
5.	Best Oral Paper Award	2023	Wildlife - Bioscience, Biotechnological Innovations and Avant-garde Genetic Technologies (WBBIAGT)
6.	Oral Paper Award (2nd)	2022	Association of Mastitis (AOM)
7.	Best Oral Paper Award with a cash prize of ₹ 1100/-	2021	Society of Veterinary Biochemists and Biotechnologists of India (SVBBI)
8.	Scroll of honour	2021	Dr. C.M. Singh Endowment Trust, Bareilly
9.	Inspiring Lady Veterinarian Award	2021	Pashudhan Prahree
10.	Ram Singh Memorial National Excellence Award	2020	Pashudhan Prahree
11.	Research Excellence Award	2020	Institute of Scholars
12.	Outstanding Women Achiever (Veterinary)	2016	Venus International Foundation, Chennai
13.	Certificate of appreciation and a cash prize of ₹ 2500/-	2008	National Academy of Sciences, India at IIT, Mumbai, 2006
14.	Merit scholarship in M.V.Sc., 2005	2005	DUVASU, Mathura
15.	Merit scholarship in B.V.Sc.&A.H.	1998-2003	C.V.Sc., AAU, Assam

IX. JOURNAL REVIEWER

1.	Advances in Zoology and Botany, USA
2.	Cureus Journal of Medical Science, USA
3.	Vegetos (Springer)

X. PROFESSIONAL MEMBERSHIPS

Sl. No.	Name of the Society
1.	Indian Extracellular Vesicle Society (IEVS)
2.	Life Member: Society of Veterinary Biochemistry and Biotechnologists of India (SVBBI)
3.	Life Member: Society of Biological Chemists, India (SBC)
4.	Life Member: Indian Association for Advancement of Veterinary Research (IAAVR)
5.	Life Member: Indian Society for Veterinary Immunology and Biotechnology (ISVIB)
6.	Life Member: Indian Association of Women Veterinarian (IAWV)
7.	Life Member: Institute of Scholars (InSc)
8.	Life Member: Dr. C.M. Singh Endowment Trust
9.	Registered member of Uttar Pradesh Veterinary Council and VCI

XI. SUMMER/ WINTER SCHOOL/COURSES/ SEMINARS/SYMPOSIA/WORKSHOP/ TRAINING

1.	Summer/Winter school attended	02
2.	Course/Training attended	09
3.	Seminar/Symposia/Conference organized	07 (International: 02, National: 05)

4.	Seminar/Symposia/Conference attended	15

XII. BEST PUBLICATIONS

1. **Sharma, A.**, Kumar, A., Tripathi, A. K., Sachan, V., & Singh, P. (2025). Cathelicidin-1 as a potential biomarker for anestrus detection in cows. *Veterinary Research Forum*, 16(10), 573–577. https://doi.org/10.30466/vrf.2025.2043046.4488, PMID: 41200376, **NAAS: 7.40**
2. Kumar, A., **Sharma, A.**, Kumar, V., Agrawal, M., Tiwari, K., Choudhary, C., & Vardhan, G. (2026). Association of thrombocytopenia and liver enzymes in canine monocytic ehrlichiosis: A meta-analysis. *Journal of Parasitic Diseases*, 50(1), 1–14. https://doi.org/10.1007/s12639-025-01820-4,PMID: 41768922**, NAAS: 5.79**
3. **Sharma, A.,** Choudhary, C., Vardhan, G., Kumar, V., Dhamija, P., & Kumar, A. (2024). Unsettling trend: The alarming rise of human abuse of veterinary drugs and its consequences.*Journal of Family Medicine and Primary Care*, 13(8), 2823–2825.https://doi.org/10.4103/jfmpc.jfmpc_165_24 PMID: 39228592, **Impact Factor: 1.1**
4. Olekar, J. H. A., Kumar, A., **Sharma, A.**, & Dev, K. (2022). Characterization of the luteinizing hormone beta (LH-β) subunit gene in the goat.*Indian Journal of Animal Research*, 56(5), 541–546. https://doi.org/10.18805/IJAR.B-4422**NAAS: 6.90**
5. **Sharma, A.**, Nigam, R., Kumar, A., & Singh, S. (2020). Mass spectrometry-based identification of urinary antimicrobial peptides in dairy cows. *Protein and Peptide Letters*, 27(3), 225–235. https://doi.org/10.2174/0929866526666191025105038**NAAS: 8.50**
6. Dixit, S., Pandey, V., Swain, D. K., Nigam, R., **Sharma, A.**, Sharma, D., Saxena, A., & Singh, P. (2016). Seminal plasma and sperm membrane proteins of buffalo and cattle bulls: A comparative study. *Buffalo Bulletin*, 35(3), 437–443**NAAS: 6.30**
7. **Sharma, A.**, Nigam, R., Kumar, A., & Pal, A. (2020). Identification and characterization of urinary peptides using Q-TOF mass spectrometry in cow. *Journal of Proteins and Proteomics*, 11(3), 167–172.https://doi.org/10.1007/s42485-020-00039-6
8. **Sharma, A.**, Kumar, A., Nigam, R., & Pal, A. (2024). Comprehensive analysis of protein separation using 2D electrophoresis: Insights into anionic and cationic fractions. *Biochemical and Cellular Archives*, 24(1),863–868. https://doi.org/10.51470/bca.2024.24.1.863**NAAS: 5.31**
9. Book: **Sharma, A.**, & Kumar, A. (2023). MCQs in Veterinary Biochemistry, Elite Publishing House, New Delhi. ISBN: 978-93-5899-025-6
10. Book: Kumar, A., &**Sharma, A.** (2017). *Handbook of Laboratory Animals (Mouse, Rat, Guinea Pig, Rabbit)*, Narendra Publishing House, New Delhi. ISBN: 93-86110-19-9
11. Book: Kumar, A., & **Sharma, A. (**2013). *Veterinary Pharmacy* (First). Satish Serial Publishing House, New Delhi. ISBN: 93-81226-38-5