


Ashish Kumar

H-INDEX: 09

I-10: 09

CITATIONS: 816

18+ YEARS EXPERIENCE

Mailing Address	C/O Dr. Ambika Sharma, C-20, New Campus, College of Veterinary Science & Animal Husbandry, DUVASU, Mathura-281001, Uttar Pradesh		
Mobile	-		
E-mail	-		
Academic Qualifications			
Degree	Subjects	Month/Year	Institution
B.V.Sc.&A.H.	VCI Syllabus 1998	01/2004	College of Veterinary Science, Guwahati, Assam
M.V.Sc.	Biochemistry (Major) Physiology (Minor)	10/2006	College of Veterinary Science and Animal Husbandry, DUVASU, Mathura, Uttar Pradesh
Ph.D.	Biochemistry	07/2022	All India Institute of Medical Sciences (AIIMS), Rishikesh, Uttarakhand
Experience	>18 Years (Teaching/Research/Extension/Administration)		
Publications (57)			
International	18		
National	39		
Research Papers	27 (International: 10, National: 17)		
Review Articles	07 (International: 05, National: 02)		
Commentaries	02 (International: 01, National: 01)		
Clinical Articles	02 (International: 02)		
Case Report	01		
Research Reports	03		
Popular/Technical Articles	10		
Hindi Article	01		
Books	03		
Book Chapters	01		
NAAS Rating ≥ 7	10		
NAAS Rating between 6 – 6.99	02		
NAAS Rating between 4 – 5.99	07		
NAAS Rating < 4	04		
Research Projects	03 (Intramural) 01 (Collaborative)	Total Grants: ₹14,99,620.00	

Honors and Awards			
Year	Award/Recognition		
2003	B.V.Sc. & A.H. Topper		
2013	Certificate of Competence-International Course on Laboratory Animal Science (ICLAS) by CSIR-IGIB, CPCSEA, Utrecht University-Netherland, FELASA Cat. 'C'		
2015	Certificate of Honour for Poster Presentation, LASAI, CDRI		
2020	Ram Singh Memorial National Animal Welfare Award, National Excellence Award, by Pashudhan Prahree, India		
2021	Certificate of recognition, for the article "Veterinarian response to the COVID-19 crisis" on World Veterinary Day, 2021, by e-Pashupalan		
2022	One health and world rabies day-2022 Louis Pasteur award of excellence by Pashudhan Prahree		
Presentations		Oral: 03, Poster :02	
Training/Courses		06	
Workshops		08	
Conferences		09	
CME		01	
Resource Persons/Invited Lecture		10	
GenBank Accession Numbers		03	
Publications (Indexed)			
Sl. No.	Authors/Year/Title of the Paper Journal Name/Volume/ Issue/Pages	Impact Factor	NAAS Rating (2026)
1.	Yadav, R., Hasan, S., Mahato, S., Celik, I., Mary, Y. S., Kumar, A. , Dhamija, P., Sharma, A., Choudhary, N., Chaudhary, P. K., Kushwah, A. S., & Chaudhary, J. K. (2021). Molecular docking, DFT analysis, and dynamics simulation of natural bioactive compounds targeting ACE2 and TMPRSS2 dual binding sites of spike protein of SARS CoV-2. <i>Journal of Molecular Liquids</i> , 342, 116942. https://doi.org/10.1016/j.molliq.2021.116942 PMID: 34305216	5.2	11.20
2.	Yadav, R., Chaudhary, J. K., Jain, N., Chaudhary, P. K., Khanra, S., Dhamija, P., Sharma, A., Kumar, A. , & Handu, S. (2021). Role of structural and non-structural proteins and therapeutic targets of SARS-CoV-2 for COVID-19. <i>Cells</i> , 10(4), 821. https://doi.org/10.3390/cells10040821 PMID: 33917481	5.2	11.20
3.	Kumar, A. , Naithani, M., Kumar, N., Singh, N., Agrawal, S., Sharma, A., Thapliyal, S., Singh, J., & Handu, S. (2022). Piperlongumine inhibits diethylnitrosamine induced hepatocellular	3.2	9.20

	carcinoma in rats. <i>Human & Experimental Toxicology</i> , 41, 9603271211073593. PMID: 35113675 https://doi.org/10.1177/09603271211073593		
4.	Vardhan, G., Kumar, V., Kumar, A. , Nath, U. K., Handu, S., & Dhamija, P. (2026). Quantification of Lenalidomide and Pomalidomide enantiomers in Multiple Myeloma Patients: An Exploratory Study. <i>Indian Journal of Pharmacology</i> . (Accepted)	1.5	7.50
5.	Tiwari, K., Kumar, V., Kumar, A. , Sharma, A., Vardhan, G., & Dhamija, P. (2024). Computational analysis of Lenalidomide and Pomalidomide enantiomers' binding interactions with prostaglandin (PG)-protein: Implications for inflammatory activity in cancer. <i>Cureus</i> , 16(2), e55294. https://doi.org/10.7759/cureus.55294 PMID: 38558718	1.3	7.30
6.	Singh, J., Thapliyal, S., Kumar, A. , Paul, P., Kumar, N., Bisht, M., Naithani, M., Rao, S., & Handu, S. S. (2022). Dimethyl fumarate ameliorates paclitaxel-induced neuropathic pain in rats. <i>Cureus</i> , 14(9), e28818. https://doi.org/10.7759/cureus.28818 PMID: 36225395	1.3	7.30
7.	Thapliyal, S., Singh, J., Mamgain, M., Kumar, A. , Bisht, M., Singh, A., Meena, K., Kishore, S., & Handu, S. (2022). Efficacy of ferulic acid in an animal model of drug-resistant epilepsy: beneficial or not? <i>Cureus</i> , 14(10), e30892. https://doi.org/10.7759/cureus.30892 PMID: 36465733	1.3	7.30
8.	Sharma, A., Kumar, A.* , Tripathi, A. K., Sachan, V., & Singh, P. (2025). Cathelicidin-1 as a potential biomarker for anestrus detection in cows. <i>Veterinary Research Forum</i> , 16(10), 573–657. https://doi.org/10.30466/vrf.2025.2043046.4488 PMID: 41200376	1.1	7.10
9.	Sharma, A., Nigam, R., Kumar, A. , & Singh, S. (2020). Mass spectrometry-based identification of urinary antimicrobial peptides in dairy cows. <i>Protein and Peptide Letters</i> , 27(3), 225–235. https://doi.org/10.2174/0929866526666191025105038 PMID: 31654508	1.1	7.10
10.	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. <i>Journal of Family Medicine and Primary Care</i> , 13(8), 2823–2825. https://doi.org/10.4103/jfmpe.jfmpe_165_24 PMID: 39228592	1.0	7.00
11.	Olekar, J. H. A., Kumar, A.* , Sharma, A., & Dev, K. (2022). Characterization of the luteinizing hormone beta (LH-β) subunit gene in the goat. <i>Indian Journal of Animal Research</i> , 56(5), 541–546. https://doi.org/10.18805/IJAR.B-4422	0.50	6.50

12.	Singh, S., Sharma, A., Asnani, A. J., & Kumar, A.* (2021). <i>In vitro</i> antioxidant and antiurolithiatic activity of <i>Commicarpus chinensis</i> (L.) Heimert in ethylene glycol induced urolithiasis in rats. <i>Annals of Phytomedicine: An International Journal</i> , 10(2), 391–398. https://doi.org/10.21276/ap.2021.10.2.52	Web of Science	6.00
13.	Kumar, A. , Sharma, A., Kumar, V., Agrawal, M., Tiwari, K., Choudhary, C., & Vardhan, G. (2025). Association of thrombocytopenia and liver enzymes in canine monocytic ehrlichiosis: A meta-analysis. <i>Journal of Parasitic Diseases</i> , 49(2). https://link.springer.com/10.1007/s12639-025-01820-4 PMID: 41768922	Springer Nature	5.79
14.	Sharma, A., Kumar, A.* , Nigam, R., & Pal, A. (2024). Comprehensive analysis of protein separation using 2D Electrophoresis: Insights into anionic and cationic fractions. <i>Biochemical and Cellular Archives</i> , 24(1), 863–868. https://doi.org/10.51470/bca.2024.24.1.863	—	5.31
15.	Basak, G., Kaur, S., Sharma, A., & Kumar, A.* (2024). Animal Welfare: Reflections and ethical implications of animal biotechnology. <i>Journal of Advances in Biology & Biotechnology</i> , 27(6), 754–760. https://doi.org/10.9734/jabb/2024/v27i6936	—	5.30
16.	Sharma, B., Sharma, A., & Kumar, A. (2012). Bovine Trypanosomiasis in and around Mathura. <i>Indian Veterinary Journal</i> , 89(8), 136–137.	Scopus	4.99
17.	Sharma, A., Nigam, R., Kumar, A.* , Tripathi, A., Prakash, A., & Roy, D. (2021). Trace elements detection in cow urine by atomic absorption spectrophotometer. <i>Chemical Science Review and Letters</i> , 10(38), 195–197. https://doi.org/10.37273/chesci.cs205202292	—	4.87
18.	Sharma, A., Sharma, B., Kumar, A. , Tiwari, M., & Ramsagar. (2011). Incidence of haemoprotozoan infection in canines in and around Mathura. <i>Veterinary Practitioner</i> , 12(2), 149–150.	Scopus	4.86
19.	Kumar, A. , Vardhan, G., & Sharma, A. (2025). Ulcerative dermatitis lesions in Swiss Albino Mice: A case report. <i>Advances in Research</i> , 26(3), 422–425. https://doi.org/10.9734/air/2025/v26i31359	—	4.76
20.	Sharma, A., Kumar, A. , Kumar, A., & Dev, K. (2010). Characterization of Goat lingual antimicrobial peptide cDNA. <i>Journal of Immunology and Immunopathology</i> , 12(1), 46–51.	—	3.83
21.	Shukla, P. K., Kumar, A. , & Sharma, A. (2018). Stressors and their biochemical indicators in poultry. <i>Indian Journal of Agricultural Business</i> , 4(1), 29–33.	—	3.17

	https://doi.org/10.21088/ijab.2454.7964.4118.5		
22.	Kumar, A. , Sharma, A., Kumar, A., & Dev, K. (2010). Cloning and characterization of goat enteric β -defensin cDNA. <i>The Indian Journal of Veterinary Research</i> , 19(1), 1–7.	—	3.12
23.	Sharma, A., Kumar, A. , Kumar, A., & Dev, K. (2008). Cloning and characterization of Goat cathelicidin cDNA. <i>The Indian Journal of Veterinary Research</i> , 17, 11–18.	—	3.12
24.	Kumar, A. , Sharma, A., Handu, S., Singh, J., & Naithani, M. (2021). Molecular docking analysis of piperlongumine with different apoptotic proteins involved in Hepatocellular Carcinoma. <i>Bioinformatics</i> , 17(9), 829–833. https://doi.org/10.6026/97320630017829 PMID: 35539886	PubMed	—
25.	Sharma, A., Nigam, R., Kumar, A. , & Pal, A. (2020). Identification and characterization of urinary peptides using Q-TOF mass spectrometry in cow. <i>Journal of Proteins and Proteomics</i> , 11(3), 167–172. https://link.springer.com/10.1007/s42485-020-00039-6	Springer Nature	—
26.	Choudhary, C., Kumar, V., Vardhan, G., Kumar, A. , & Dhamija, P. (2025). Combating carbapenem-resistant organisms with colistin-sparing regimens. <i>Indian Journal of Physiology and Pharmacology</i> , 69(3), 203–210. https://doi.org/10.25259/IJPP_356_2024	Scopus	—
27.	Vardhan, G., Kumar, V., Prakash, A., Choudhary, C., Kumar, A. , Sahu, P. L., Handu, S., & Dhamija, P. (2025). Simultaneous separation and quantification of pomalidomide chiral impurity using reversed phase-ultra-high-performance liquid chromatography method. <i>Indian Journal of Physiology and Pharmacology</i> , 69(3), 273–276. https://doi.org/10.25259/IJPP_88_2024	Scopus	—
28.	Mathur, A. K., Kumar, A. , Mandil, R., Sharma, A., & Agrawala, S. K. (2008). Phase I clinical trial of Immu-25 capsules in healthy human volunteers. <i>Phytomedica</i> , 9, 67–72.	Scopus	—
29.	Kumar, A. , Choudhury, S., & Sharma, A. (2008). Sub-acute toxicity study of AmmoFree powder. <i>Phytomedica</i> , Vol. 9, 11-16.	Scopus	—
30.	Kumar, A. , Choudhury, S., Sharma, A., & Agrawala, S. K. (2008). Toxicity study of UtriFit liquid. <i>Phytomedica</i> , Vol. 9, 83-89.	Scopus	—
31.	Kumar, A. , Mandil, R., Sharma, A., & Agrawala, S. (2007). Chronic toxicity study of herbal toxichex. <i>Phytomedica</i> , 8, 69-73.	Scopus	—
32.	Kumar, A. , Mandil, R., Sharma, A., & Agrawala, S. (2007). Sub-acute toxicity study of CocciBan. <i>Phytomedica</i> , 8, 35–42.	Scopus	—
33.	Singh, S., Nigam, R., Sharma, A., Kumar, A.* , & Laxmi, V. (2021). Preliminary phytochemical screening of <i>Elytraria acaulis</i> roots.	Web of Science	—

	<i>Journal of Pharmaceutical Research International</i> , 33(4), 1–9. https://doi.org/10.9734/jpri/2021/v33i431165		
34.	Sharma, A., Kumar, A.* , Nigam, R., Pandey, V., & Singh, P. (2020). A Minireview on antimicrobial peptides of goats and their role in host defense. <i>Bioscience Biotechnology Research Communications</i> , 13(3), 1421–1428. https://doi.org/10.21786/bbrc/13.3/65	Web of Science	—
35.	Kumar, A. , & Sharma, A. (2022). A review on recent animal drugs approved in 2021. <i>World Journal of Pharmaceutical Research</i> , 11(3), 1259–1269. https://doi.org/10.20959/wjpr20223-23390	—	—
36.	Sharma, A., Nigam, R., Kumar, A.* , Pal, A., & Tomar, V. (2021). SDS-PAGE analysis of urinary peptides in indigenous cow. <i>International Journal of Chemical Studies</i> , 9(1), 201–203. https://doi.org/10.22271/chemi.2021.v9.i1d.11580	—	—
37.	Singh, S., Nigam, R., Sharma, A., Kumar, A.* , & Laxmi, V. (2020). <i>In-vitro</i> antibacterial activity of <i>Elytraria acaulis</i> roots against some Gram-positive and Gram-negative bacterial strains. <i>Journal of Pharmacognosy and Phytochemistry</i> , 9(5), 2218–2225. https://doi.org/10.22271/phyto.2020.v9.i5ae.12673	—	—
38.	Kumar, A. , & Sharma, A. (2016). Nutritional and medicinal superiority of goat milk over cow milk in infants. <i>International Journal of Pediatric Nursing</i> , 2(1), 47–50. https://doi.org/10.21088/ijpen.2454.9126.2116.5	—	—
39.	Kumar, A. , Choudhury, S., Sharma, M., Sharma, A., & Agrawala, S. (2010). Effect of “MAGACAL AFI POWDER” on calcium absorption from small intestine of rats (<i>In-situ</i>) in comparison with synthetic vitamin D. <i>Phytomedica</i> , 11, 81–83.	—	—
Books			
40.	Sharma, A., & Kumar, A. (2023). MCQs in Veterinary Biochemistry, Elite Publishing House, New Delhi, ISBN:978-93-5899-025-6.		
41.	Kumar, A. , & Sharma, A. (2017). Handbook of Laboratory Animals (Mouse, Rat, Guinea Pig, Rabbit), Narendra Publishing House, New Delhi, ISBN:93-86110-19-9.		
42.	Kumar, A. , & Sharma, A. (2013). Veterinary Pharmacy, Satish Serial Publishing House, New Delhi, ISBN:93-81226-38-5.		
Book Chapter			
43.	Sharma, A., & Kumar, A. (2022). Antimicrobial peptides of poultry- Concepts and Applications. In Recent trends in sustainable poultry production, pp. 223–228. Satish Serial Publishing House, New Delhi, ISBN: 978-93-95700-02-3.		

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