Dr Snehil Gupta

Designation	**Assistant Professor**
	Department of Veterinary Parasitology College of Veterinary Sciences Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar -125004 (Haryana) India Phone: 01662-256124 (O) Mobile: +918950365068 E-mail: drsnehilgupta@luvas.edu.in
Educational Qualifications	• 2026: Post Graduate Diploma In Animal Welfare (PGDAW) • 2022: Ph.D. Veterinary Parasitology, COVS, LUVAS, Hisar • 2017: Post Graduate Diploma In Rural Development (PGDRD) • 2015: M.V.Sc., Veterinary Parasitology, ICAR-IVRI, Izatnagar, Bareilly, Uttar Pradesh • 2013: B.V.Sc. & A.H. (Four gold Medals), COVS, LUVAS, Hisar
Employment Details	• Assistant Professor (April, 2016 –Present)
Research Interests	• Acaricide resistance • Drug development against protozoan parasites
Students Guided	• As Major Advisor: Nil • As Co-Major Advisor: 07 M. Tech • As Member Advisory Committee: 02 students
Research Projects Handled/Undergoing	• PI in HSCSIT funded "Holistic Investigation of Surra Infection in Haryana's Bovine Population: Novel Diagnostic Markers and Epidemiology" • Co-PI in HSCSIT funded "Development and Evaluation of Novel Spinosad based Nanoformulations for control of Ticks and Tick-Borne Disease" • PI in LUVAS funded Institutional Project "Targeting calcium homeostasis as a strategy against Surra organism" • Co-PI in LUVAS funded Institutional Project "Eco-friendly tick control: formulation and evaluation of plant-based product for animal health "
Publications	• **Total Research Papers Published:** >40 • **>8.0 NAAS rating:** 06 • **6.0-8.0 NAAS rating:** 18 **Google Scholar index** • **Research Citations**: 384 • **h-index**: 13 • **i-10index: 18** • **Books Published:** 03 • **Book Chapters:** 12 • **Practical/Training Manuals:** 18 • **PopularArticles:** 11 • **Gene Sequences Submitted to GenBank:** 11 • **Seminar/ Conference/ Workshops Attended:** 11

	• Kokate, P. G., Jadhao, S. G., Deshmukh, P. P., Kolte, S. W., Gupta, M., Mandhale, S. P., Kadam, M.M., Borkar, S.D. & Gupta, S. (2026). The comparative effect of ionophore and thymol on growth performance, intestinal histopatholgy and cytokine expression in broilers challenged with mixed *Eimeria* species. BMC Veterinary Research. (NAAS Rating: 8.6) https://doi.org/10.1186/s12917-026-05794-0 • Sharma, D., Gupta, S., Vohra, S., Sethi, K., Rani, R., Gupta, S., Kumar, S. & Kumar, R. (2026). Dual assessment of cepharanthine: *In vitro* and *in vivo* inhibitory effects on multi-host haemoprotozoa, *Trypanosoma evansi*. Veterinary Parasitology, 110791. (NAAS Rating: 8.2) https://doi.org/10.1016/j.vetpar.2026.110791 • Bhangale, G., Gupta, S., & Patil, A. (2026). Prevalence and determinants of bovine theileriosis in India: a meta-analysis and meta-regression. Tropical Animal Health and Production, 58(3), 220. (NAAS Rating: 7.7) https://doi.org/10.1007/s11250-026-05026-5 • Gupta, S., Sethi, K., Vohra, S., Gupta, S., Rani, R., Kumar, S. and Kumar, R. (2025). Shifting Paradigms: Imidocarb dipropionate as an alternative chemotherapeutic strategy for *Trypanosoma evansi* infection in animals. Veterinary Parasitology. 338: 110558 (NAAS Rating: 8.2) https://doi.org/10.1016/j.vetpar.2025.110558 • Gupta, S., Vohra, S., Sethi, K., Rani, R., Gupta, S., Kumar, S., Kumar, R. and Rana, T., 2025. Capsaicin, a Vanilloid derivative, modulates arginine kinase mRNA expression in *Trypanosoma evansi*. Acta Parasitologica. 70(6): 232. (NAAS Rating: 7.5) https://doi.org/10.1007/s11686-025-01170-4 • Gupta, S., Sangwan, N., Sangwan, A. K., Mann, S., Gupta, S., Kumar, A., & Kumar, S. (2023). Understanding the resistance mechanisms of *Rhipicephalus microplus* ticks to synthetic pyrethroids and organophosphates in south-west regions of Haryana, North India. Pesticide Biochemistry and Physiology. 196, 105634. (NAAS Rating: 10.00) https://doi.org/10.1016/j.pestbp.2023.105634 • Gupta, S., Sangwan, N., Sangwan, A. K., Gupta, S., Kumar, A., Maan, S., Kumar, A. & Kumar, S. (2024). Acaricide resistance status of deltamethrin and coumaphos in *Hyalomma anatolicum* ticks collected from different districts of Haryana. Experimental and Applied Acarology. 92(4), 809-833. (NAAS Rating: 7.7) https://doi.org/10.1007/s10493-023-00894-0 • Rani, R., Sethi, K., Gupta, S., Virmani, N., Kumar, S., & Kumar, R. (2023). Intracellular ROS production and apoptotic effect of quinoline and isoquinoline alkaloids on the growth of *Trypanosoma evansi*. Acta Tropica. 245, 106980. (NAAS Rating: 8.50) https://doi.org/10.1016/j.actatropica.2023.106980 • Moudgil, A. D., Daundkar, P. S., Nehra, A. K., Vohra, S., Gupta, S., & Sharma, D. (2023). Molecular characterization of *Hyalomma dromedarii* and evaluation of acaricidal potential of herbal methanolic extracts against *H. dromedarii* larvae in comparison to synthetic acaricides. Experimental and Applied Acarology. 89(1), 141-156. (NAAS Rating: 7.7) https://doi.org/10.1007/s10493-022-00763-2 • Gupta, S., Vohra, S., Sethi, K., Gupta, S., Bera, B. C., Kumar, S., & Kumar, R. (2022). In vitro anti-trypanosomal effect of ivermectin on *Trypanosoma evansi* by targeting multiple metabolic pathways. Tropical Animal Health and Production. 54(4), 1-9. (NAAS Rating: 7.7) https://doi.org/10.1007/s11250-022-03228-1 • Gupta, S., Vohra, S., Sethi, K., Gupta, S., Kumar, S., & Kumar, R. (2022). Gene expression study to elucidate the anti-trypanosomal activity of quinapyramine methyl sulphate (QPS). Parasitology International. 91, 102632. (NAAS Rating: 7.9) https://doi.org/10.1016/j.parint.2022.102632
Books published	• Gupta, S. and Patel, S.K. (2019). Objective Veterinary Parasitology. Kalyani Publishers, ISBN: 9789353591670. • Maharana, B.R., Kumar, B., Gupta, S., Chamuah, J.K. and Rathore, V.S. (2022). Fundamentals of Veterinary Parasitology. Satish Serial Publishing House, ISBN: 9789390660636. • Gupta, S. et al. (2025). Neglected Parasitic Zoonoses of Helminth Origin. CRC Press, Taylor & Francis Group. DOI: https://doi.org/10.1201/9781032697499

Awards/ Fellowships/ Recognition received	• IAAVP Dr. J.P. Dubey Young Scientist Award (2021–22) • Four Gold Medals in B.V.Sc. & A.H. (2012–13): Dr. D.P. Banerjee Gold Medal; Dr. B.D. Bahl Gold Medal; Prof. P.K. Dwarkanath Memorial Gold Medal; and LUVAS Merit Gold Medal. • Ph.D. Gold Medal / First Position in Ph.D. (LUVAS, 2021–22): Awarded for securing first position in the Ph.D. programme in Veterinary Parasitology at LUVAS. • First Rank in ICAR-SRF Examination in Veterinary Parasitology (2015) • First Rank in M.V.Sc. (Veterinary Parasitology) in 2014 at the Indian Veterinary Research Institute (ICAR-IVRI). • First Rank in IVRI All India Ph.D. Entrance Examination (2015) in Veterinary Parasitology. • Recipient of ICAR Junior Research Fellowship (2013–2015) and IVRI Institutional Fellowship (2015–2016). • First Position in 34th NCVP (2025) for the poster titled "Morphological based identification of *Spirometra* spp. isolated from a canine host" at the Udgir, Maharashtra (17–19 December 2025).
Membership of Professional Scientific Societies	• Life member of Indian Association for Advancement of Veterinary Parasitology (IAAVP) • Life member of Association of Mastitis • Veterinary Council of India (VCI) • Haryana Veterinary Council (HVC)
Editorial board of Scientific Journal	• BMC Veterinary Research • The Haryana Veterinarian
Reviewer of Scientific Journals	• Veterinary Parasitology • Journal of Veterinary Parasitology • Medical and Veterinary Parasitology • Tropical Animal Health and Production • Current Research in Parasitology & Vector-Borne Diseases
Any Other (if any)	•