Dr (Mrs.) Deepika

Designation	**Professor & Head**
	Department of Veterinary Pathology Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar -125004 (Haryana) India Phone: 01662- 256117(O): Mobile: +919467747766 E-mail: drdeepika@luvas.edu.in; deepikalather@yahoo.co.in
Educational Qualifications	• 2017: Ph.D. Veterinary Pathology COVS, LUVAS, Hisar • 2002: M.V.Sc., Veterinary Pathology, COVS, CCS HAU, Hisar • 1999: B.V.Sc. & A.H., COVS, CCS HAU, Hisar
Employment Details	• Prof & Head, Dept of Vety. Pathology, LUVAS: 10.08.2026-continuing • Professor (Stage -V): 24.07.2025- continuing • Associate Professor (Stage -IV): 24.07.2022- 23.07-25 • Assistant Professor (Stage -III): 24.07.2019- 23.07-22 • Assistant Professor (Stage -II): 24.07.2014- 23.07-19 • Assistant Professor (Stage -I): 24.07.2009- 23.07-14
Research Interests	• Standardization of Immunohistochemical techniques for prognostic & diagnostic tumour markers in neoplastic cells/pathogen detection in tissues • Toxicopathological studies and ameliorative studies with immunomodulating agents in poultry/laboratory animals • Pathology of gastrointestinal/respiratory/urinary system disorders of livestock and poultry • Antimicrobial resistance profiling of bacterial pathogens of livestock/poultry
Students Guided	• As Major Advisor: 04 M.V.Sc. and 01 Ph.D. students • As Co-Major Advisor: 04 M.V.Sc. student • As Member Advisory Committee: 41 students
Research Projects Handled/Undergoing	• State Research Scheme 1: 128 C (a) Plan Vety. VPT-1 “Pathological Investigations of the Diseases Affecting Various Systems of Poultry”. • State Research Scheme 2: 129 C (a) Plan Vety. VPT-2 “Pathological Studies of Various Infectious and Non-infectious Diseases of livestock”. • 4016-C (g)-VPT-4-OA (RKVY): Establishment of modern pathological laboratory with special reference to animal tumour diagnosis from 2013-14 to 2016 as Co-PI. • 4026-C (g)-VPT-2-OA (RKVY): Establishment of immunopathological diagnostic laboratory to provide quality services to the livestock and poultry owners from 2014-15 to 2017 as Co-PI. • 4042-C (g)-VPT-03-OA (RKVY): Strengthening of clinical pathology and post-mortem facilities to provide effective and high-quality diagnosis services to the farmers from 2015-16 to 2018 as Co-PI. • 4060-C(g)-VPT-04-O.A. (RKVY-RAFTAAR SCHEME): Establishment of Immuno-histo-chemical laboratory and strengthening of Immuno-technology laboratory for diagnosis of diseases of animals and poultry from 2018-19 to 2021 as Co-PI. • Institutional project entitled “Pathomorphological evaluation and screening of breast cancer gene markers in mammary tumours of dogs” as Co-PI. • Pathological work in Research work on “Evaluation of polyherbal formulation for its safety and genoprotective activities” related to experimental study • Institutional project entitled “Application of Artificial intelligence (AI) in detection of theileriosis in cattle- a pilot study” as Co-PI

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<tr><td rowspan="2">Publications</td><td>Total Research Papers Published: 96
>8.0 NAAS rating: 09
6-8 NAAS rating: 09
5-6 NAAS = 66
<5 NAAS =10
Without NAAS= 02
Google Scholar index
Research Citations: 345
h-index: 10
i-10index: 10</td><td>Books Published: 01
Conference Souvenir edited/developed: 01
Book Chapters: 09
Practical Manuals: 27
Chapters in training/teaching manual/Conference/workshop proceedings: 53
Abstracts published in symposia, conference/seminar proceedings: 196</td><td>Clinical/PopularArticles: 14
Gene Sequences Submitted: 10
Workshop/Conference Attended: 08</td></tr>
<tr><td colspan="3">10 Best Research publications
Thakur, M., Sharma, S., Vasudeva, N., & Lather, D. (2026). From brain to body: Sinapic acid prevents multi-organ damage post-traumatic brain injury in mice. Metabolic Brain Disease, 41(1), Article 31. https://doi.org/10.1007/s11011-026-01787
Nehra, N., Gill, S., Deswal, S., & Lather, D. (2026). Aflatoxins and poultry health: Current understanding, diagnostic progress and control perspectives. World’s Poultry Science Journal, 82 (2), 463–49.
Bakshi, J., Lather, P., Verma, A., Lather, D., Grewal, S., Dhingra, D., & Kumari, S. (2025). Potentiation and in vivo evaluation of anti-obesity activity of berberine through encapsulation in guar acacia gum nanocomplexes. Naunyn-Schmiedeberg’s Archives of Pharmacology, 398, 7041–7055.
Thakur, M., Sharma, S., Vasudeva, N., & Lather, D. (2025). Eprosartan alleviates the traumatic brain injury-induced multi-organ dysfunction syndrome in mice via AT1R/SNS/HMGB1 blockade and PDL-1 modulation. Molecular and Cellular Neuroscience, 135, Article 104035.
Vipin, Bagri, P., Bhardwaj, K., Kant, V., & Lather, D. (2025). Studies on ameliorative potentials of quercetin nanoparticles against imidacloprid-induced subacute genotoxicity and histopathological alteration in Swiss albino mice. Drug Development and Industrial Pharmacy, 51(1), 77–90.
Chaudhary, V., Kajla, P., Lather, D., Chaudhary, N., Dangi, P., Singh, P., & Pandiselvam, R. (2024). Bacteriophages: A potential game changer in food processing industry. Critical Reviews in Biotechnology, 1–25.
Kajal, S., Narang, G., Jangir, B. L., Kundu, P., Lather, D., & Chhabra, R. (2023). Studies on immunopathological changes induced by commercial IBD live vaccines in poultry birds. Scientific Reports, 13, Article 12379.
Kumari, M., Gupta, R. P., Lather, D., & Bagri, P. (2020). Ameliorating effect of Withania somnifera root extract in Escherichia coli-infected broilers. Poultry Science, 99(4), 1875–1887.
Lather, D., Mishra, S. K., Gera, S., Minakshi, & Agarwal, V. K. (2003). Sequential pathological changes in broiler chickens following experimental neem (Azadirachta indica) seed cake feeding. Indian Journal of Animal Sciences. 73(4): 9-12. (NAAS rating: 6.32).
Lather, D., Mishra, S. K., Gera, S., Minakshi, & Agarwal, V. K. (2002). Clinical signs and haematological changes in broiler chickens following neem (Azadirachta indica) seed cake feeding. Indian Journal of Animal Sciences, 37(2), 121–125.</td></tr>
<tr><td>Awards/ Fellowships/ Recognition received</td><td colspan="3">SVSBT-2025-First best poster presentation award: 2025. Pathological evaluation of Organophosphate Pesticide poisoning in wild birds- highlighting the environmental impact of chemical pesticides on non-target species.
Second best poster award: 2026. Role of Shiga Toxin-Producing Escherichia coli in Abomasal Lesions of Ruminants: A Pathological and Molecular Study. In Science & Technology Conclave organized by Vigyan Bharati Haryana and GJU, Hisar, in association with CCSHAU, LUVAS and ICAR-NRCE.
SVSBT-2025-First best poster presentation award: 2025. Pathomorphological and Molecular Investigation of Johne's Disease with Concurrent Infection of Coccidiosis in a Sheep.</td></tr>
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	• **SVSBT-2025-First best oral presentation award:** 2025. Artificial Intelligence: A Revolutionary Tool in Veterinary Oncology. • **SVSBT-2025-Second best poster presentation award:** 2025. Pathomorphological and Histochemical Evaluation of Chronic Renal Failure in an Adult Dog. • **SVSBT-2025-Second best poster presentation award:** 2025. Comparative Immuno-Pathological Effects of Georgia, Killed and Intermediate Plus IBD Vaccines with *E. coli* Challenge in Broiler Chicken. • **Best article award for the popular article** entitled as "Infectious Bursal Disease: A Silent Threat to Poultry Health" by Bio Vet Innovator Magazine, May 2025. • **IAAVR-First Poster Presentation Award, 2024 for** poster entitled "Cytology based diagnosis of cutaneous and subcutaneous growths/ lesions of dogs in Hisar region of Haryana". • **IAVP-Best Poster Presentation Award, 2023 f**or the poster entitled "Pathomorphological, bacteriological and molecular studies on *Mannheimia haemolytica* infection in ruminants. • **IAVPHS-Third Best Oral Presentation Award**, **2023** for "Soil mediated helminthiasis: A study on neglected tropical disease in wild animals in Haryana. • **IAAVR- Best Poster Presentation Award, 2023 for** paper entitled "Molecular identification of *Acinetobacter baumannii,* an emerging pathogen from pneumonic lungs of bovines and its antimicrobial resistance pattern. • **IAVP-Dr S. Damodaran Award (Best Full Paper and Case Report on Oncology), 2017.** Pathological and immunohistochemical studies in mammary gland tumours affecting male dogs; Indian Journal of Veterinary Pathology, 41(2):89-93. • **IAVP-Best Poster Presentation Award. 2018.** entitled "Identification and molecular characterization of Mycobacterium tuberculosis and *Mycobacterium bovis* in cattle and buffaloes in Haryana, India'' LUVAS, Hisar, Haryana • **IJVSR-Gold medal for Dr. P.O. George Memorial award 2019 for best clinical article** in the Indian Journal of Veterinary Surgery & Radiology.
Membership of Professional Scientific Societies	• Life member, Indian Association of Veterinary Pathologists (IAVP) • Life member, Indian Society of Veterinary Pharmacology and Toxicology • Life member, Indian Society of Veterinary Surgery & Radiology • Life member, Indian Poultry Science Association
Reviewer of Scientific Journals	• Tropical Animal Health & Production, Indian Journal of Animal Sciences, Indian Journal of Animal Research, Indian Journal of Veterinary Pathology, Journal of Advances in Biology & Biotechnology, The Haryana Veterinarian, Asian Journal of Research in Animal and Veterinary Sciences, Journal of Scientific Research and Reports, Current Journal of Applied Science and Technology, Advances in Animal and Veterinary Sciences and Asian Journal of Agricultural Extension, Economics & Sociology, Asian Journal of Microbiology and Biotechnology, Journal of Advances in Microbiology, Indian Journal of Poultry Sciences, Academia Molecular Biology and Genomics, Immunopharmacology And Immunotoxicology, Applied Biological Research
Any Other (if any)	• Nodal officer CM Window, Jansamvaad, SMGT Portal for LUVAS • President Pranvayu club, LUVAS • Member, Wild life committee, LUVAS • Member, Internal Quality Assurance Cell, LUVAS • Have worked as Resource and Laisoning Coordinators for the organization/ funding agencies (DRDO/CSIR/HSCSIT), Co-ordinator ADSW (General) LUVAS, Member Institutional Animal Ethical Committee (IAEC), LUVAS, Hisar, Task Force Committee member for preparation of self-study report of five years (2016-20) for accreditation of College of Veterinary Sciences, LUVAS, Hisar, Member University Disciplinary Committee and College Disciplinary Committee, LUVAS.