Dr. Babu Lal Jangir

Designation	**Assistant Professor**
	Department of Veterinary Pathology Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar-125 004 (Haryana) India Phone: 01662-256117 (O) Mobile: +918901343119 E-mail: drbabu.jangir@luvas.edu.in; drbabu.jangir@gmail.com
Educational Qualifications	• 2014 Ph.D., ICAR-IVRI, Bareilly, Uttar Pradesh • 2009 M.V.Sc., MAFSU, Nagpur, Maharashtra • 2007 B.V.Sc. & A.H., MAFSU, Nagpur, Maharashtra
Employment Details	• Assistant Professor (Stage III) (w.e.f. 01.11.2022 and continuing) • Assistant Professor (Stage II) (01.11.2017 To 31.10.2022) • Assistant Professor (Stage I) (31.10.2013 A/N To 31.10.2017)
Research Interests	• Histopathological and Immunohistochemical Studies on Infectious Diseases of Domestic Animals • Veterinary Oncology and Tumour Pathology • Avian Pathology • Molecular Pathology
Students Guided	• As Major Advisor: M.V.Sc. (04) • As Member Advisory Committee: 45 [MVSc. (35) & Ph.D. (10)]
Research Projects Handled/Undergoing	• Haryana State Council for Science, Innovation and Technology (HSCSIT) funded project on "Genome wide identification of genes associated with cystic ovaries (follicular cysts) in buffaloes" (Role: As Co-PI) • DBT funded DBT Network Programme on Bovine Tuberculosis Control: Mycobacterial Diseases in Animal Network (MyDAN) Programme (Role: As Co-PI) • LUVAS funded institutional project on "Pathomorphological evaluation and screening of breast cancer gene markers in mammary tumours of dogs" (Role: As PI) • LUVAS funded institutional project on "Experimental study on wound healing potentials of quercetin in goats and evaluation of its clinical efficacy in livestock and companion animals (Role: As Co-PI) • Rashtriya Krishi Vikas Yojana (RKVY) funded project on "Establishment of immunopathological diagnostic laboratory to provide quality services to the livestock and poultry owners" (Role: As Co-PI) • RKVY funded project on "Strengthening of clinical pathology and post-mortem facilities to provide effective and high quality diagnosis services to the farmers" (Role: As Co-PI) • RKVY funded project on "Establishment of immunohistochemical laboratory and strengthening of Immuno-technology laboratory for diagnosis of diseases of animals and poultry" (Role: As Co-PI) • State Scheme 128-C(a) VPT-1-Development Work: Pathological investigations of the diseases affecting various systems of poultry (Role as associated member) • State Scheme 129-C(a) VPT-2--Development Work: Pathological studies of various infectious and non-infectious diseases of livestock (Role as associated member)
Publications	**Total Research Papers Published: 83** **> 8.0 NAAS rating:** 17 **6-8 NAAS rating:** 19 **Google Scholar index** **Research Citations**: 1412 **h-index**: 17 **i-10 index**: 28	**Review Article:** 01 **Book Chapters:** 09 **Chapters in Training Manuals/ Compendiums:** 55 **Practical/Training Manuals:** 24	**Popular articles:** 13 **Gene Sequences Submitted:** 77 **Leaflets:** 06 **Training Programmes/Courses Attended:** 08 **Conferences/Symposium/Seminars attended:** 15

	Research publications in APA format (Best 10 only) 1. **Jangir, B. L.**, Kumar, M., Kumar, R., Singh, M., Kumar, T., Sehrawat, V., Kundu, P., Dandapat, P., Samanta, S., Sarkar, A., Pathak, M., Pal, S., Mandal, S., Haque, M. Z., Mukherjee, A., Rajendhran, J., Pandit, R., Moudgil, P., Gupta, R., Bakker, D., Kapur, V. and Jindal, N. (2026). Bovine tuberculosis resulting from infection with *Mycobacterium orygis* in a closed herd of Indian water buffalo (*Bubalus bubalis*). Scientific reports, 16(1), 15855. https://doi.org/10.1038/s41598-026-44186-0 (NAAS rating: 9.90) 2. Kamothi, D. J., Kant, V., **Jangir, B. L.**, Joshi, V. G., Ahuja, M., & Kumar, V. (2022). Novel preparation of bilirubin-encapsulated pluronic F-127 nanoparticles as a potential biomaterial for wound healing. European journal of pharmacology, 919, 174809. https://doi.org/10.1016/j.ejphar.2022.174809 (NAAS rating: 10.70) 3. **Jangir, B. L.**, Mahaprabhu, R., Rahangadale, S., Bhandarkar, A. G., & Kurkure, N. V. (2016). Neurobehavioral alterations and histopathological changes in brain and spinal cord of rats intoxicated with acrylamide. Toxicology and industrial health, 32(3), 526-540. https://doi.org/10.1177/0748233713505893 (NAAS rating: 7.70) 4. Choudhary, A., Kant, V., **Jangir, B. L.**, & Joshi, V. G. (2020). Quercetin loaded chitosan tripolyphosphate nanoparticles accelerated cutaneous wound healing in Wistar rats. European journal of pharmacology, 880, 173172. https://doi.org/10.1016/j.ejphar.2020.173172 (NAAS rating: 10.70) 5. Kant, V., **Jangir, B. L.**, Sharma, M., Kumar, V., & Joshi, V. G. (2021). Topical application of quercetin improves wound repair and regeneration in diabetic rats. Immunopharmacology and immunotoxicology, 43(5), 536–553. https://doi.org/10.1080/08923973.2021.1950758 (NAAS rating: 9.00) 6. Kumar, T., Singh, M., **Jangir, B. L.**, Arora, D., Srinivasan, S., Bidhan, D., Yadav, D. C., Veerasami, M., Bakker, D., Kapur, V., & Jindal, N. (2021). A defined antigen skin test for diagnosis of bovine tuberculosis in domestic water buffaloes (*Bubalus bubalis*). Frontiers in veterinary science, 8, 669898. https://doi.org/10.3389/fvets.2021.669898 (NAAS rating: 8.90) 7. Kaur, J., Lather, A., **Jangir, B. L.**, Joshi, V. G., Charaya, G., Singh, M., & Chhabra, R. (2026). In vivo assessment of antimicrobial potential of synthetic ANLP-V3 peptide for the treatment of mastitis in a mouse model. Current microbiology, 83(8), 408. https://doi.org/10.1007/s00284-026-04993-0 (NAAS rating: 8.60) 8. Moudgil, P., Kumar, R., **Jangir, B. L.**, Gupta, R., Vaishali, & Jindal, N. (2022). Epidemiology, risk factors and molecular characterization of small ruminant morbillivirus in Haryana, India. Research in veterinary science, 151, 164–174. https://doi.org/10.1016/j.rvsc.2022.08.013 (NAAS rating: 7.80) 9. Kant, V., **Jangir, B. L.**, Kumar, V., Nigam, A., & Sharma, V. (2020). Quercetin accelerated cutaneous wound healing in rats by modulation of different cytokines and growth factors. Growth factors (Chur, Switzerland), 38(2), 105–119. https://doi.org/10.1080/08977194.2020.1822830 (NAAS rating: 7.70) 10. Kumar, M., Kumar, T., **Jangir, B. L.**, Singh, M., Arora, D., Bangar, Y., Conlan, A., Vordermeier, M., Bakker, D., Byregowda, S. M., Srinivasan, S., Kapur, V., & Jindal, N. (2024). Comparative analysis of tuberculin and defined antigen skin tests for detection of bovine tuberculosis in buffaloes (Bubalus bubalis) in Haryana state, India. BMC veterinary research, 20(1), 65. https://doi.org/10.1186/s12917-024-03913-3 (NAAS rating: 8.60)
Awards/ Fellowships/ Recognition received	• Dr. R.T. Desai Gold Medal for the Year 2006-2007 in B.V.Sc. & A.H. • Academic Excellence Award-Xceft Merit Award by Alembic Ltd. Veterinary Division" for securing 1st position in B.V.Sc. & A.H. course for academic session 2006-2007 • IAVP- Dr. S. Damodaran Award for the Best Full Paper and Case Report on Oncology, 2017. Deepika Lather. Pathological and immunohistochemical studies in mammary gland tumours affecting male dogs. Indian Journal of Veterinary Pathology, 41(2):89-93. Co-authors: R.P. Gupta and B.L. Jangir, LUVAS Hisar, Haryana. • Gold medal "Dr. P.O. George Memorial Award" for the research paper entitled "Immunohistochemical aspects of lingual squamous cell carcinoma in a dog" authored by Tiwari, D.K., Jangir, B.L., Tiwari, S.,

	Lather, D., Chaudhary, R.N. and Shrikant; published in Indian Journal of Veterinary Surgery (December, 2019). • IAVP-Poster Presentation Award, 2023 for the poster entitled "Pathomorphological, bacteriological and molecular studies on Mannheimia haemolytica infection in ruminants authored by Rakshita Sharma, Babu Lal Jangir*, Gulshan Narang, Paras Saini, Ankit Magotra and Deepika Lather during the Farm Animals Pathology Session of the Veterinary Pathology Congress-2023 held at ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly, Uttar Pradesh (20-22 December, 2023). (*: Presenting author). • Appreciation certificate for the paper entitled "Intra-abdominal fibrosarcoma in a German Shepherd dog" during 45th Annual Congress of Indian Society for Veterinary Surgery and National Symposium on "Computer Applications to Improve Surgical Outcomes in Pets and Livestock: Opportunities and Challenges" ISVS-2022 January 11-13, 2023 at Nagpur Veterinary College, Nagpur, Maharashtra. • First position for poster presentation entitled "Cytology based diagnosis of cutaneous and subcutaneous growths/ lesions of dogs in Hisar region of Haryana" authored by M. Sharma*, T. Kumar, B.L. Jangir, D. Agnihotri, S. Saharan, D. Lather, N. Sindhu, S.L. Chauhan and G. Singh during 24th Indian Veterinary Congress and 31st Annual Conference of IAAVR and National Symposium on "Livestock Health and Poultry: A Paradigm Change to Maximize Productivity for Sustainable Farmers' Livelihood" jointly organized by Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar and IAAVR from 7-8 February, 2024. (*: Presenting author).
Membership of Professional Scientific Societies	• Life member of Indian Association of Veterinary Pathologists (IAVP) • Life member of Laboratory Animal Science Association of India (LASAI) • Life member of Society for Veterinary Sciences and Biotechnology (SVSBT) • Registered member of Indian Society for Veterinary Surgery (ISVS) • Member of C.M. Singh Endowment Trust, Bareilly, Uttar Pradesh
Reviewer of Scientific Journals	• Comparative Clinical Pathology • Indian Journal of Veterinary Pathology • Applied Biological Research • The Haryana Veterinarian
Any Other (if any)	• Coordinator of Examinations, College of Veterinary Sciences, LUVAS, Hisar