Dr Kamaldeep

Designation	**Scientist**
	Department of Animal Genetics and Breeding Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar -125004 (Haryana) India Phone: 01662-256119(O) Mobile: +919467430007 E-mail: kamaldeepdhundwal@luvas.edu.in
Educational Qualifications	• 2017: Ph.D., AGB, Department of AGB, LUVAS • 2014: M.V.Sc, AGB, Department of AGB, LUVAS • 2012: B.V.Sc. & A.H., College of Veterinary Sciences, LUVAS
Employment Details	• Scientist, Department of Animal Genetics and Breeding, Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar -125004 (Haryana) India • 07.04.2018 -continuing
Research Interests	• Animal Breeding and Quantitative Genetics • Molecular Genetics
Students Guided	• As Major Advisor: 02 M.V.Sc. • As Member Advisory Committee: 12 students
Research Projects Handled/Undergoing	• Institutional Project (PI) - Genetic Profiling of BRCA1 gene and its association with udder health and production parameters in dairy cattle • Institutional Project - (Co-PI) Meta-analysis of gene polymorphisms associated with economic traits in dairy cows. • ICAR-AICRP Project - ICAR-Sahiwal Data Recording Unit (Co-PI) • State Scheme - Genetic Improvement in Poultry and Different Species of Livestock (Co-PI) • State Scheme - Conservation and Genetic Improvement of Indigenous Livestock Breeds (Co-PI) • State Scheme - Establishment of an Elite Herd of Sahiwal Cattle for Conservation, Genetic Improvement and Dissemination (Co-PI)

Publications	**Total Research Publications : 42** **>8.0 NAAS rating: 3** **6-8 NAAS rating: 15** **Google Scholar index** **Research Citations**: 90 **h-index**: 05 **i-10index**: 03	**Book Chapters:** 01 **Practical/Training Manuals:** 03	**Seminar/ Conference/training Attended:** 05

- Research publications in APA format (Best 10 only)
- **Kamaldeep**, Magotra, A., Pander, B L., Dalal, D.S., .Malik, B.S., Garg, A., Malik, A,. (2021). Evaluation of candidate genotype of Immune gene MBL1 associated with udder health and performance traits in dairy cattle and buffalo of India. *Tropical Animal Health and Production. (*2021) 53: 429.. (NAAS Rating: 7.70)
- **Kamaldeep**, Yadav, A S., Dhaka, S S., Magotra, A., and Malik, A. (2016). Efficiency of sire evaluation methods by using phase and stayablity traits to improve milk yield of Murrah buffaloes. *Indian Journal of Animal Research*. 50(6): 851-855..(NAAS Rating: 6.50).
- **Kamaldeep**, Magotra, A., Pander B L., Manjeet, Malik A and Dalal D.S.(2019) Identification of point mutation in Exon 2 of MBL1 gene and its relationship with Somatic Cell Score (SCS) in Sahiwal cattle. *Indian J. Anim. Res.*, 53 (2) 2019: 200-203. (NAAS Rating: 6.50).
- **Kamaldeep**, Yadav, A S., Dhaka, SS., Magotra, A., Malik, A and Kumar, V. (2016) Phenotypic and genetic evaluation of production efficiency and life time milk production attributes in Murrah buffaloes. *Indian Journal of Animal Sciences*. 86 (7): 831– 833.(NAAS Rating: 6.50).
- **Kamaldeep**, Pander, B L., Dalal, D S., Magotra, A., Mittal, D., Malik, A and Garg A.(2019). Characterization and validation of point mutation in mbl1 gene and its relationship with mastitis in Murrah buffalo (bubalus bubalis). *Buffalo Bulletin*. 38 (3): 451- 457.(NAAS Rating: 6.20).
- Sindhu, P., **Dhundwal**, K., Magotra, A., Chaudhary, P and Garg, A.(2025). Association of toll like receptor-4 immune gene polymorphism with production, clinical mastitis and fertility disorders in Hardhenu (Bos taurus x Bos indicus). *The Nucleus* https://doi.org/10.1007/s13237-025-00568-9.(NAAS Rating: 8.60)
- Nehra, R., Bangar, Y. C., Patil, C. S., Dhundwal, K., & Sevda, P. (2025). Predicting performance traits in Murrah buffaloes using machine learning: a comparative approach. Tropical animal health and production, 58(1), 25. (NAAS Rating: 7.70)
- Dalal,V., **Dhundwal**, K., Magotra, A., Yadav, D.C., Sindhu, P.(2025) Association of CXCR1 gene polymorphism with clinical mastitis and performance traits in Murrah Buffalo. *Reproduction in Domestic Animals*. 59(1-7).(NAAS Rating: 7.70)
- Nehra, R., Bangar, Y.C., **Dhundwal**, K., Singh, N., Sevda, P., Ratwan, P. (2025). Modelling lactation curve in Murrah Buffaloes using non-linear models. *Tropical animal health and Production.* (2025) 57:386.).(NAAS Rating: 7.70)
- Nehra, R., Bangar, Y.C., Patil, C.S., **Dhundwal**, K., Sevda, P. (2026). Predicting performance traits in Murrah buffaloes using machine learning: a comparative approach. *Tropical animal health and Production.* (2026) 58:25 (NAAS Rating: 7.70).

IPRs granted	• Design Patent for Cell Lysis Device by Dr. Ankit Magotra, Dr. Rani Alex, Dr. Tavisef Ahmad, Dr. Kamaldeep, Dr. Kusum, Dr. Oshin, Dr. Pushpa, Dr. Vijay Kumar Sharma • Design Patent for Goat Litter Size Measuring Device for Predicting Kids Count Dr. Ankit Magotra, Dr Kamaldeep, Dr. Pradeep Chaudhary
Awards/ Fellowships/ Recognition received	• Appreciation from Vice-Chancellor, LUVAS, Hisar for contribution done during COVID-19 pandemic.
Membership of Professional Scientific Societies	• Member of Veterinary Council of India, New Delhi • Member of Haryana State Veterinary Council, Haryana
Any Other (if any)	• Associated with Cattle Farm , LUVAS.