Dr. Sunil Kumar

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: +919991164124 E-mail: drsunil@luvas.edu.in, sunnydayzz92@gmail.com
Educational Qualifications	• 2022: Ph.D. Animal Genetics and Breeding, COVS, LUVAS, Hisar • 2016: M.V.Sc., Animal Genetics and Breeding, COVS, LUVAS, Hisar • 2014: B.V.Sc. & A.H., COVS, LUVAS, Hisar
Employment Details	• Scientist, AGB, LUVAS: 16.08.2024-continuing • Assistant Professor, LFC, LUVAS: 02.11.2018-16.08.2024
Research Interests	• Quantitative Genetics • Sheep Breeding, Small and Large Ruminants Breeding • Animal Genomics
Students Guided	• As Major Advisor: 02 M.V.Sc. (in progress), • As Member Advisory Committee: 07 M.V.Sc. students
Research Projects Handled/Undergoing	• RKVY-funded project "Productivity enhancement of Scheduled Caste Goat farmers through awareness programmes and latest molecular techniques" • LUVAS funded Institutional Project "Identification of point mutation in HSP 70 gene and their association with performance and thermo-tolerance traits in Munjal sheep" • RKVY-funded project "Establishment of Piggery unit for propagation and dissemination of superior germplasm to Scheduled caste farmers of Haryana" • DST, Govt. of India funded project "Molecular interventions to increase litter size in pigs for improving socioeconomic status of rural schedule cast families in Haryana". • ICAR-All India Coordinated Research project (AICRP) on goats (Jakhrana Field unit)
Publications	**Total Research Papers Published:** 30 **>8.0 NAAS rating: 2** **6-8 NAAS rating: 12** **Google Scholar index** **Research Citations**: 222 **h-index**: 09 **i-10 index**: 09
	Book Chapters: 03 **Practical/Training Manuals:** 02
	PopularArticles: 15 **Seminar/ Conference/Training Attended:** 04

	Research publications in APA format (Best 10 only) • Kumar, S., Magotra, A., Kumar, N., & Bangar, Y. C. (2025). Expression and SNP profiling of HSP70 gene associated with thermotolerance traits in Munjal sheep. *Journal of Thermal Biology*, 130, 104151. https://doi.org/10.1016/j.jtherbio.2025.104151 (NAAS rating 9.2) • Gunwant, P., Pandey, A. K., Kumar, A., Singh, I., Kumar, S., Phogat, J. B., Kumar, V., Patil, C.S., Tomar, P., Kumar, S. & Magotra, A. (2018). Polymorphism of melatonin receptor (MTNR1A) gene and its association with seasonal reproduction in water buffalo (Bubalus bubalis). *Animal reproduction science*, 199, 51-59. 10.1016/j.anireprosci.2018.10.006 (NAAS rating 8.7) • Kumar, S., Yadav, A. S., Magotra, A., Bangar, Y. C., Garg, A. R., & Kumar, N. (2024). Polymorphism of growth hormone (GH) gene and its association with performance and body conformation of Harnali sheep. *Tropical Animal Health and Production*, *56*(3), 116. https://doi.org/10.1007/s11250-024-03968-2 (NAAS rating 8.0) • Kumar, S., Magotra, A., Kumar, N., Bangar, Y. C., & Dahiya, S. P. (2025). Physiological responses of Munjal sheep to variations in temperature humidity index in subtropical climate. *Tropical Animal Health and Production*, *57*(3), 163. https://doi.org/10.1007/s11250-025-04420-9 (NAAS rating 8.0) • Dahiya, S., Kumar, S., & Kumar, M. (2020). Current status of research on linear type traits in Indian cattle and future strategies. *Tropical Animal Health and Production*, *52*(5), 2221-2232. https://doi.org/10.1007/s11250-020-02302-w (NAAS rating 8.0) • Sevda, P., Bangar, Y. C., Kumar, S., Singh, M., Nehra, R., & Dahiya, S. P. (2025). Influence of additive and maternal genetics on kid survival in Beetal goat. Tropical Animal Health and Production, 57(7), 326. https://doi.org/10.1007/s11250-025-04572-8 (NAAS rating 8.0) • Nehra, R., Bangar, Y. C., Dhundwal, K., Kumar, S., Sevda, P., & Chugh, P. (2026). Genetic evaluation of lactation curve characteristics in Murrah buffaloes. *Tropical Animal Health and Production*, *58*(2), 95. https://doi.org/10.1007/s11250-026-04898-x (NAAS rating 8.0) • Kumar, S., Magotra, A., Kumar, M., Dalal, D. S., & Kumari, S. (2024). Semen sexing and its impact on fertility and genetic gain in cattle. *Zygote*, 32(2), 109-118. https://doi.org/10.1017/S0967199424000066 (NAAS rating 7.7) • Yadav, T., Magotra, A., Kumar, R., Bangar, Y. C., Garg, A. R., Kumar, S., Jeet, V. & Malik, B. S. (2020). Evaluation of candidate genotype of leptin gene associated with fertility and production traits in Hardhenu (Bos taurus× Bos indicus) cattle. *Reproduction in Domestic Animals*, *55*(12), 1698-1705. https://doi.org/10.1111/rda.13826 (NAAS rating 7.7) • Jeet, V., Magotra, A., Bangar, Y. C., Kumar, S., Garg, A. R., Yadav, A. S., & Bahurupi, P. (2022). Evaluation of candidate point mutation of Kisspeptin 1 gene associated with litter size in Indian Goat breeds and its effect on transcription factor binding sites. *Domestic Animal Endocrinology*, 78, 106676. https://doi.org/10.1016/j.domaniend.2021.106676 (NAAS rating 7.7)
IPRs granted	---
Awards/ Fellowships/ Recognition received	• Received III position in poster presentation during XII Annual Convention of the society for Veterinary Sciences and biotechnology (SVSBT) and International conference organized by Dept. of Animal Biotechnology, LUVAS, Hisar from 3-5 December, 2025 • Received best oral presentation award in 03 days National conference on "Pluralistic approaches for livestock development" - An extension call" organized by department of VAHEE, DGCN COVS, CSKHPKV, Palampur, Himachal Pradesh from 06.05.2022 to 08.05.2022. • Received G. B. Singh Memorial Award – 2019 from The Indian Society For Study of Animal Reproduction on 18.12.2019
Membership of Professional Scientific Societies	• Haryana Veterinary Council • LUVAS Alumni Association
Editorial board of Scientific Journal	----

Reviewer of Scientific Journals	• Tropical Animal Health & Production • Archives Animal Breeding • Animal Gene • Veterinary Medicine and Science • Journal of Scientific Research and Reports • Scientia Agricola • Haryana Veterinarian
Any Other (if any)	• Incharge Sheep Farm, AGB, LUVAS, Hisar