Dr Surender Singh Dhaka

Designation	Professor & Head
	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: +919466449957 E-mail: zuludhaka@gmail.com
Educational Qualifications	• 1998: Ph.D., Animal Breeding, CCS HAU, Hisar • 1993: M.Sc., Animal Breeding, CCS HAU, Hisar • 1991: B.Sc., CCS HAU, Hisar
Employment Details	• Assistant Professor, AGB, LUVAS, Hisar (23.02.1995 – 22.02.2004) • Associate Professor, AGB, LUVAS, Hisar (23.02.2004 – 22.02.2010) • Professor, AGB, LUVAS, Hisar (23.02.2010 – Till date) • Director, HRM, LUVAS, Hisar (01.04.2022 – 25.04.2023) • Registrar, LUVAS, Hisar (26.04.2023 – 31.03.2026) • Head, Department of Animal Genetics and Breeding, LUVAS, Hisar (01.04.2026 – continuing)
Research Interests	• Animal Breeding • Cattle and Buffalo Breeding • Quantitative Genetics • Precision farming
Students Guided	• As Major Advisor: 06 M.V.Sc. and 05 PhD students

Research Projects Handled/Undergoing	• State-funded project: Conservation and Genetic Improvement of Indigenous Livestock Breeds (March 2009 to March 2022 and April 2026 to till date). • State-funded project: Establishment of an Elite Herd of Sahiwal Cattle for Conservation, Genetic Improvement and Dissemination (September 2006 to March 2022 and April 2026 to till date). • State-funded project: Genetic Improvement in Poultry and Different Species of Livestock – Cattle Component (September 2006 to March 2022 and April 2026 to till date). • RKVY-funded project: Establishment of Superior Germplasm Unit for Genetic Upgradation of Hariana Cattle in Rural Households (2014–15 to 2016–17). • ICAR-funded project: Network Project on Buffalo Improvement (Murrah) (2019–20 to 2022–23). • ICAR-funded project: Sahiwal Data Recording Unit under AICRP on Cattle (April 2018 to March 2022 and April 2026 to till date). • ICAR-funded project: Genetic Improvement of Indigenous Breeds of Cattle – Hariana Unit, Germplasm Unit and Data Recording Unit, Hisar (September 2006 to February 2009). • ICAR-funded project: Genetic Improvement of Indigenous Breeds of Cattle – Hariana Unit, Kurukshetra Gaushala, Tibba Bye Pass, Hisar (November 1996 to February 2009). • ICAR/NATP-funded project: Sustainable High Production of Indigenous and Crossbred Cattle and Buffaloes in Rural Households (April 2000 to September 2003). • ICAR-funded project: Genetic Improvement of Indigenous Breeds of Cattle – Hariana Unit, Gaushala, Jind (Additional Charge) (November 2002 to February 2004). • ICAR-funded project: Genetic Improvement of Indigenous Breeds of Cattle – Hariana Unit, GLF, Sector-1, Hisar (Additional Charge) (November 1996 to September 2002). • ICAR-funded project: Genetic Improvement of Indigenous Breeds of Cattle – Hariana Unit, Gaushala, Bhiwani (June 1995 to November 1995).		
Publications	**Total Research Papers Published: 125** **>8.0 NAAS rating:** 1 **6-8 NAAS rating:** 31 **Google Scholar index** **Research Citations**: 682 **h-index**: 13 **i-10index**: 22	**Book : 01** **Book Chapters:** 02 **Training Compendium =** 10 **Course Manual** = 04	**Seminar/ Conference/training Attended:** 12

	• **Research publications in APA format (Best 10 only)** • Chitra, A.; Dhaka, S.S.; Bangar, Y.C.;Kumar, N.; patil, C.S. and Magotra, A. 2026. Comparative study of hematological responses to thermal stress in Sahiwal and Hardhenu calves. Tropical Animal Health and Production. 58: 430. • Jaglan, K.; Dhaka, S.S.; Kumar, S.; Patil, C.S.; Bangar, Y.C.; Kumar, P.; Bala, R. 2025. Association of CASA-Derived semen parameters with conception rate in Murrah Bulls. Reproduction in Domestic Animals. 60(12):e70153. • Rohit Solanki, S. S. Dhaka, Poonam Ratwan, Mohit Singh and Manoj Kumar. 2025. Identification of IGFBP2 gene polymorphism and association of genotypes with performance traits in Large White Yorkshire pigs. Tropical Animal Health and Production (2025) 57:286. https://doi.org/10.1007/s11250-025-04539-9. • Sharma, S.; Dhaka, S.S.; Ratwan, P. and Kumar, M. 2025. Estmation of Genetic Parameters of monthly test day milk yields in Murrah buffaloes. Journal of Livestock Sci. 16: 491-497 • Sharma, S, Dhaka, S.S. and Patil, C.S. 2024. Estimation of additive and maternal covariance of production traits in Murrah buffalo. J. Anim. Breed. Genet., 141(4): 415 – 424. • Sharma, S, Dhaka, S.S., Patil, C.S. and Rathi, P. 2024. Estimation of direct and maternal covariance along with genetic and phenotypic trends of reproduction traits in Murrah buffalo. Reprod. Dom. Anim. 2024;59:e14526. https://doi.org/10.1111/rda.14526. • Jaglan, K., Dhaka, S.S., Magotra, A., Patil, C.S. and Ghanghas, A. 2024. Exploring MicroRNA biogenesis, applications and bioinformatics analysis in livestock: A comprehensive review. Reprod. Dom. Anim. 2024;59:e14529. https://doi.org/10.1111/rda.14529. • Sharma, P.; Yadav, A.S.; Selokar, N.I.; Kumar, D.; Dhaka, S.S. and Yadav, P.S. 2018. Epigenetic Status of Buffalo Fibroblasts Treated with Sodium Butyrate a Chromatin Remodeling Agent. Tissue and Cell. 50: 51-58. • Manjeet; Pander, B. L.; Sharma, R.; Dhaka, S. S.; Magotra, A. and Kapil Dev. 2017. Evaluation of genetic and non-genetic factors on foot and mouth disease (FMD) virus vaccine-elicited immune response in Hardhenu (Bos taurus x Bos indicus) cattle. Trop Anim Health Prod. DOI 10.1007/s11250-017-1379-4. Published online August 16, 2017. • Dhaka, S.S. and Chaudhary, S.R. 1994. Non-genetic factors influencing persistency of lactation in Murrah buffaloes. Indian J. Anim. Res. 28: 117-121.
IPRs granted	-
Awards/ Fellowships/ Recognition received	• Best Teacher of the University (LUVAS) for the year 2017-18 • Member of the award-winning Department of AGB, for receiving North Zone second position National Kamdhenu Award – 2017 for its outstanding contribution for conservation and genetic improvement of Hariana and Sahiwal Cattle.
Membership of Professional Scientific Societies	• Life Member, Society for Conservation of Domestic Animal Biodiversity • Life Member, The Indian Society of Animal Genetics and Breeding • Life Member, Indian Society for Buffalo Development
Editorial board of Scientific Journal	-
Reviewer of Scientific Journals	• National and International Journals
Any Other (if any)	• Member, state level committee for examination and review of State Bovine Breeding Policy - 2018 • Member of State level Technical Monitoring Committee for finalization of Physical targets under major livestock products (MLP) for the year 2026–27. • Organized three Orientation trainings, one induction training and one DDO trainings to newly appointed faculty members. • Contributed to streamline the internship programmes of BVSc and AH degree programme in the state of Haryana.