Dr. Sandeep Saharan

Designation	**Assistant Professor**
	Department of Veterinary Clinical Complex Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar -125004 (Haryana) India Ph: +91-1662-256102 E-mail: saharan007@gmail.com
Educational Qualifications	• 2007, B.V.Sc & A. H., CCS HAU, Hisar • 2009, M.V.Sc, CCS HAU, Hisar • 2013, Ph.D, LUVAS, Hisar
Employment Details	• ASSISTANT PROFESSOR at Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 07/12/2013 – Till Date. • VETERINARY SURGEON at Department of Animal Husbandry, Haryana 3/9/2012 to 6/12/2013
Research Interests	• My research and clinical work on soft tissue surgery, orthopaedics, diagnostic imaging, minimally invasive techniques, and molecular diagnostics across multiple species. My initial research focused on urolithiasis in bovines, including ultrasound-guided tube cystostomy and comprehensive postoperative management using Walpole's solution. I also completed my first student research project on laparoscopic ovariohysterectomy (LOHE) in canines, which provided strong hands-on training in minimally invasive surgical techniques. I have substantial orthopedic experience, including interlocking nail (ILN) fixation in dogs and calves for long bone fracture management. Additionally, I have managed orthopaedic conditions in calves using external fixators for fracture stabilization and recovery. My Ph.D. research was centered on real-time PCR–based diagnosis of canine mammary tumors, enabling differentiation between malignant and benign conditions and strengthening my expertise in molecular diagnostics. My major specialization is diagnostic imaging, particularly ultrasonography, which I routinely apply in large and small animals for accurate diagnosis and image-guided interventions. Currently, I am actively working on LOHE in canines using Hemo-clips, aiming to improve surgical efficiency, reduce operative time, and minimize postoperative complications. I have performed surgeries in ruminants, camels, companion animals, and select wildlife cases. I also routinely use gastroscopy for the diagnosis and management of foreign bodies in companion animals.
Students Guided	• As Major Advisor: 05 M.V.Sc. and 1 Ph.D. students • As Member Advisory Committee: 5 students
Research Projects Handled/Undergoing	• RASTRIYA KRISHI VIKAS YOJNA (RKVY). Establishment of Mobile Veterinary Clinic equipped with most Advanced Diagnostic and Therapeutic facilities as Co-Pi 2016-2017 • Institutional Project, Inter-locking Nail (ILN) Technique for the Therapeutic Management of Long Bone Fracture in Bovine Calves as PI in 2019-2020. • Institutional Project, Pathomorphological evaluation and screening of breast cancer gene markers in mammary tumors of dogs as CO-Pi in 2023-24.

Publications	**Total Research Papers Published:** 30 **6-8 NAAS rating:** 06 **Google Scholar index** **Research Citations**: 384 **h-index**: 09 **i-10index**: 09	**Book Chapters:** 10 **Practical/Training Manuals:** 06	**PopularArticles:** 06 **Seminar/ Conference Attended:** 10

Research publications in APA format (Best 10 only)

- Sharma, M., Patil, C. S., **Saharan, S.**, Gupta, A. and Jain, V.K. (2022). Clinical diagnosis and therapeutic management of Trypanosoma theileri infection associated with peritonitis in crossbred cow: a rare case report. Acta parasitological. (NAAS rating 7.5).
- Pal, M., Singh, P., Tayal, R., Behl, S.M., Dinesh, **Saharan, S** and Chandolia, R.K. (2015). Comparative normal 2D and 3D ultrasonograpgy of stomach with advancement of age in dogs. Indian J. Anim. Res., 50: 679-683. (NAAS rating 6.5).
- Tiwari, D.K., **Saharan, S.**, Sharma, S., Chaudhary, R.N., Sindhu, N., Jaglan, V. and Potaliya (2016). Ocular squamous cell carcinoma in a buffalo: A Case Report. Buffalo Bulletin. 35(1): 11-13. (NAAS rating 6.20).
- Singh, R., Sharma, S., Tiwari, D, Chaudhary, R. N., **Saharan, S.** and Pandey, A. K. (2017). Management of Urinary Obstruction in Buffalo calves by Tube Cystostomy. Buffalo Bulletin. 36(2): 307-312. (NAAS rating 6.20).
- Kumar, N.S., Arora, N., Tiwari, D.K., Saharan, S., Sharma, S., Poonia, A. and Kumar, S. (2024). Evaluation of β-tricalcium phosphate (β-TCP) and platelet rich plasma (PRP) combination for fracture healing in dogs stabilized with intramedullary pinning. Indian J. Anim. Res. 1-5. (NAAS rating 6.20).
- **Saharan**, S., Mathew, R.V. and Kumar, G. (2019). Tracheal reconstruction following tracheal laceration in buffalo bull. Explor Anim Med. Res. 9(10): 71-73. (NAAS rating 6.10).
- Pal, M., **Saharan**, S., Dinesh, Potilya, S. and Kumar, S. (2015). Surgical management of the supernumerary and fused teat in a cow heifer. Indian J. Vet. Sci. Biotech. 11(2).81-82. (NAAS rating 5.25).
- **Saharan***, S., Singh, P, Singh, A, Gupta, R.P. and Dutt, R. (2023). Expression pattern of SLIT genes discriminates malignant from benign canine mammary tumours. Ind. J. Vet. Sci. and Biotech. 10.48165/ijvsbt.19.1. (NAAS rating 5.25).
- **Saharan, S.,** Poonia, A., Kumar, A. Chandratre, G.A., Dinesh and Tiwari, D.K. (2024). Diagnosis and surgical management of transitional cell carcinoma in a dog. IJABR. sp-8(6): 627-629. (NAAS rating 5.25).
- Poonia, A., **Saharan, S.,** Alpa, Sulekha, Punia, S. and Sharma, M. (2024). Surgical management of a large cystolith in a spitz. IJABR. sp-8(6): 750-752. (NAAS rating 5.25).

IPRs granted	NIL

Awards/ Fellowships/ Recognition received

(In brief)

S. No.	Name of the Award/ Honour	Nature of Award	Conferred By (Name of the Organization)	Year of Award
1.	Second Best Poster	Poster	Indian Society for Veterinary Medicine	2017
2.	Second Best presentation	Oral	TANUVAS Clinical Case Conference	2016
3.	Best Presentation Award	Oral	National Online Clinical Case Conference	2021
4.	Best Presentation Award	Oral	National Online Clinical Case Conference	2021
5.	Gold Medal	Oral	Indian Society for Veterinary Surgery	2022
6.	Appreciation Certificate	Poster	Indian Society for Veterinary Surgery	2022
7.	Expedition Certificate	Adventure	Adventure Valley	2022
8.	Appreciation Award	-	Veterinary Emergency Response Unit (North Zone)	2023
9.	First Prize	Poster	Indian Association for Advancement of Veterinary Research	2024
10.	Second Prize	Poster	Indian Association for Advancement of Veterinary Research	2024
11.	First Prize	Oral	Association of Animal Scientists	2024
12.	First Prize	Oral	Association of Animal Scientists	2024
13.	First Prize	Oral	Association of Animal Scientists	2024
14.	Second Prize	Poster	Association of Animal Scientists	2024
15.	Second Prize	Oral	Indian Society for Buffalo Development	2024
16.	First Prize	Poster	Society for Veterinary Sciences and Biotechnology	2025
17.	Second Prize	Poster	Society for Veterinary Sciences and Biotechnology	2025
18.	Third Prize	Poster	Society for Veterinary Sciences and Biotechnology	2025
19.	Appreciation	Activity	India book of records	2023

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Membership of Professional Scientific Societies	• Life member of Society for Indian society of Veterinary Surgery. (ISVS-1338) • Life member of Society for Indian society of Canine Practice. • Indian Society for Buffalo Development (ISBD) • Life member of Society for Veterinary Sciences and Biotechnology
Editorial board of Scientific Journal	NIL
Reviewer of Scientific Journals	• The Haryana Veterinarian
Any Other (if any)	•