# Dr. Sushma

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| **Designation** | **Assistant Professor** |
|  | **Department of Veterinary Pathology**<br>College of Veterinary Sciences<br>Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar-125004, Haryana (India)<br>Contact No.: 01662- 256117 (Office); +91-9991117240 (Mob.)<br>Email: drsushmakajal@luvas.edu.in<br>ORCID ID: 0000-0002-0432-1552 |
| **Educational Qualifications** | • 2014 B.V.Sc & A.H., LUVAS, Hisar<br>• 2016 M.V.Sc. (Veterinary Pathology), LUVAS, Hisar<br>• 2019 Ph.D. (Veterinary Pathology), LUVAS, Hisar |
| **Employment Details** | • Assistant Professor (November, 2019 –Till-to-date)<br>• Veterinary Surgeon (30.9.2018 to 26.11.2019), Animal Husbandry Deptt., Haryana |
| **Research Interests** | • Immunopathology of Poultry Diseases<br>• Gastro-intestinal Tract and Respiratory System Pathology of Ruminants, Immunohistochemistry and Oncology |
| **Students Guided** | • As Major Advisor: 02 M.V.Sc.<br>• As Member Advisory Committee: 4 students (MVSc.) |
| **Research Projects Handled/Undergoing** | **Work related to the following State Scheme(s): Presently acting as associated member of the following two state scheme**<br>• 128-C(a) VPT-1-Development Work: Pathological investigations of the diseases affecting various systems of poultry<br>• 129-C(a) VPT-2--Development Work: Pathological studies of various infectious and non-infectious diseases of Livestock |

**Publications**

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| **Total Research Papers Published:**<br>**>8.0 NAAS rating: 02**<br>**4-6 NAAS rating: 16**<br>**< 4.0 NAAS rating:1**<br>**Google Scholar index**<br>**Research Citations: 52**<br>**h-index: 4**<br>**i-10index:1** | **Book chapters: 7**<br>**Chapters in manuals/compendiums/proceedings: 20**<br>**Teaching/practical/training manuals: 11**<br>**Abstracts: 54** | **Popular articles: 05**<br>**Training Programmes/Courses attended: 05**<br>**Seminars/Webinars/Symposia/Workshops attended: 15**<br>**Conferences/Congresses/Conventions attended: 11** |

**Research publications in APA format (Best 10 only)**


1. **Kajal S.**, N. Gulshan, Jangir B.L., Kundu P., Lather D. and Chhabra R. 2023. Studies on immunopathological changes induced by commercial IBD live vaccines in poultry birds. *Scientific Reports*. 13:12379.
2. **Sushma**, N. Gulshan, Jangir B.L., Pooja, Lather D. and Chhabra R. (2021). Pathological investigation and immunohistochemical evaluation of bursa of Fabricius in naturally infected chicken with infectious bursal disease. *Indian Journal of Animal Research*, 45(2): 105-108.
3. **Sushma**, V. Nehra and D. Lather. (2016). Aetio-pathological studies in buffalo calves with special reference to digestive and respiratory systems. *Haryana Veterinarian*, 55(2): 170-175.
4. **Sushma**, V. Nehra, J. Shunthwal and A.P. Rath. (2018). Aetio-pathological studies of digestive and respiratory affections in cattle calves. *Indian Journal of Animal Research,* 52(11): 1628-1634.
5. Barak M., **Kajal S.**, Lather D., Gupta S., Nehra V., Sharma N. (2026). Nutritional Modulation of Biochemical Stress using Azolla pinnata in E. coli challenged Broiler Chickens Vaccinated with IBDV. *Avian Pathology*, 8:1-21.
6. Kandpal D., Sharma D., Lather D., Nehra V., Sharma M., Jangir B.L., **Sushma**, Chandratre G.A., Narang G. (2024). Soil Mediated Helminthiasis: A Study on Neglected Tropical Disease in Wild Animals in Haryana. Indian J. Anim. Res. 10.18805/IJAR.B-5428.
7. Chandratre G.A., **Kajal S.**, Narang G. (2022). A case of fatal nephrolithiasis in a pug: Necropsy based study. *Haryana Veterinarian*. 61 (2), 153-155.
8. Kumar P., Nehra V., Lather D., Narang G., Jangir B.L., Chandratre G.A., **Kajal S.**, Sharma M. and Kumar R. 2022. A retrospective study on bovine mortality pattern in Haryana state with special emphasis on urinary system affections. *Haryana Veterinarian*, 61 (SI-2), 71-77.

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| | 9. Chandratre G.A., **Sushma**, Deepika L. and Gulshan N. (2020). A case of vulvar fibrosarcoma in buffalo. *Indian Journal of Animal Production*, 42(2), 82-84.<br>10. Adya Prakash Rath, K. K. Jakhar, Renu Singh, **Sushma** and Vikas Nehra. (2019). Effect of Amla Extract Supplementation on Growth Parameters of*Escherichia coli* Infected Broiler Chickens. *International Journal of Livestock Research*, 9(6): 49-59. |
| **Work Profile** | **Teaching: -** Involved in teaching the courses of DVLT, 2nd year B.V.Sc. & A.H., MVSc. and Ph.D.<br>**Research: -** Acting as associated member in above mentioned research schemes, conducting regular post-mortem examination of different species of animals and poultry, regular histopathological and biopsy examination of the tissue samples, involved in providing histopathological and microphotography to the students/faculties of other departments/institutes/universities (as per the need), providing the expert clinico-pathological services to the Department of Veterinary Clinical Complex, providing expert services at the time of disease outbreak in the field.<br>**Extension:** -Regularly participating in the kisan melas, pashudhandiwas etc. and providing expert guidance for the disease diagnosis and its prevention and control to livestock/ poultry farmers. Also participating as a Convener/Member of different committees and attending the regular other Extra-curricular, Co-curricular activities and Conferences/Programmes held by LUVAS, Hisar. |
| **Awards/ Fellowships/ Recognition received** | **2026**<br>• Best Article Award: (April, 2026)<br>**2025 (XII SVSBT Convention, LUVAS Hisar):**<br>• Best Poster Award: 2nd Position<br>• Best Poster Award: 1st prize as co-author<br>**2025**<br>• Awarded with Best PhD Thesis Award (Indian Veterinary Association)<br>• Best Article Award: (May, 2025)<br>**2024 (Agro Environmental Developmental Society)**<br>• Best Young Women Scientist Award<br>**2024 (Indian Association for Advancement of Veterinary Research)**<br>• Best Poster Award: 2nd Position<br>**2023 (Indian Association of Veterinary Public Health Specialists)**<br>• Best Oral Presentation Award (Co-author)<br>**Certificates of Appreciations received for** judging the Cleanest Hostel Room Competition, member of Stage Committee In inter-college (VLDD) Professional Quiz and Declamation Competition organized by IPVS, LUVAS, member of Stage and Decoration Committee National Security Awareness Forum on the topic under the chairmanship of Worthy Vice-Chancellor, LUVAS, Hisar and member of Stage Committee Kisan Yatra evam Pashudhan Samvardhan Sammelan<br>**Scholarships:** LUVAS Merit scholarship holder throughout M.V.Sc. and Rajiv Gandhi National Fellowship for Ph.D |
| **Membership of Professional Scientific Societies** | • Indian Association of Veterinary Pathologists (IAVP), Society for Veterinary sciences and Biotechnology (SVSBT) and Agro Environmental Development Society |
| **Reviewer of Scientific Journals** | • Indian Journal of Animal Research<br>• Indian Journal of Veterinary Pathology<br>• Applied Biological Research<br>• The Haryana Veterinarian<br>• Indian Journal of Veterinary Sciences and Biotechnology |
| **Any Other (if any)** | **Additional University/College Level Main Responsibility Handled (in Past)/Handling presently**<br>**Any other**<br>• Resource and Liaison Coordinator for DST from January, 2023 till May, 2026<br>• Resource and Liaison Coordinator for UGC, Ministry of Environment & Forests (GOI) from May, 2026<br>• Member in the committee of equal opportunity cell<br>• Member in the committee of TIC till April, 2026<br>• Acted as Teacher Counselor for the students<br>• Qualified Agricultural Scientists Recruitment Board (ICAR) NET in Veterinary Pathology (2017)<br>• Registered Veterinary Practitioner with the Haryana Veterinary Council |