Dr. Pawan Kumar

Designation	**Professor**
	Department of Veterinary Anatomy College of Veterinary Sciences Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar-125004 (Haryana) India Phone: 01662-256115 (O) Mobile: +919466402637 E-mail: pkumar@luvas.edu.in
Educational Qualifications	• 2002-2004: Post-Doctorate Fellow, Tufts University and University of Kentucky, USA • 1994:Ph.D., Veterinary Anatomy, COVS, CCS HAU, Hisar • 1991:M.V.Sc., Veterinary Anatomy, COVS, CCS HAU, Hisar • 1989:B.V.Sc. & A.H., COVS, CCS HAU, Hisar
Employment Details	• Professor & Head: 18.11.2014 to29.04.2023 • Professor, LUVAS:01.10.2009 to date • Associate Professor: 01.10.2003 to 30.09.2009 • Assistant Professor:13.06.1996 to 30-09.2003 • Training Associate-cum-Junior Scientist (Vety.): 01.10.1994 to 12.06.1996 • Veterinary Surgeon (SAVC Section, HAU, Hisar): 03.05.1994 to 30.09.1994
Research Interests	• Light microscopy and ultrastructure of subcommissural organ and pineal gland of domestic animals • Histology, histochemistry, scanning and transmission electron-microscopy of tonsils of oro-nasopharyngeal region • Lectin and immunohistochemistry of tonsils of domestic animals
Students Guided	• As Major Advisor: 09 M.V.Sc. and 6 Ph.D. students • As Co-Major Advisor: 5M.V.Sc. students • As Member Advisory Committee: 15 students
Research Projects Handled/Undergoing	• HSCST funded "Immunohistochemical studies on tonsils of oro-nasopharyngeal region of buffaloes to explore immunocompetent sites for targeted delivery of vaccines" • DBT funded "Isolation and characterization of equine mesenchymal stem cells from amniotic fluid" • RKVY-RAFTAAR funded "Establishment of immunohistochemical laboratory and strengthening of immunotechnology laboratory for diagnosis of diseases of animals and poultry" • State funded "Gross, light and electron microscopic studies on the different body systems in ruminants and pigs"
Publications	**Total Research PapersPublished:191** **>8.0 NAAS rating:** 09 **6-8 NAAS rating:**71 **Google Scholar index** **Research Citations**: **h-index**: **i-10index**: | **BooksPublished:**02 **Book Chapters:**16 **Practical/Training Manuals:** 10 | **Seminar/Conference Attended:** 21+7 **Abstract Published:**168
	Research publications:

	• Rao, P., Singh, A., Kumar, P. and Kaur, S. (2026). Comparative histological and histochemical analysis of the minor salivary glands in porcine species. Sci. Rep. 16:14347.https://doi: 10.1038/s41598-026-44696-x (NAAS rating 10.9) • Kumar, P. (2025). Novel insights into lectin binding patterns in the nasopharyngeal tonsil of buffaloes (Bubalus bubalis). J. Buffalo Sci. 14: 50-64. (NAAS rating 6.7) • Kumar, P. (2023). Differential expression and localisation of acetyl-glucosamine,acetyl-galactosamine, galactose, mannose and glucose specific lectins in lingual tonsil of buffalo(Bubalus bubalis). J. Buffalo Sci. 12: 70-82. (NAAS rating 6.7) • Verma, A.,Kumar, P.,Babb, K., Timoney, J.F. and Stevenson, B. (2010). Cross reactivity of antibodies against leptospiral recurrent uveitis-associated proteins A & B (Lru A and Lru B) with eye proteins. PLoS Neglected Trop. Dis.4 (8): e 778.https://doi:10.1371/journal.pntd.0000778(NAAS rating 9.4) • Timoney, J.F. and Kumar, P. (2008).Early pathogenesis ofequineStreptococcus equi infection (strangles). Equine Vet. J. 40: 637-642.https://doi.org/10.2746/ 042516408X322120 (NAAS rating 8.4) • Kumar, P. and Timoney, J.F. (2005). Histology, immunohistochemistry and ultrastructure of the equine palatine tonsil. Anat. Histol. Embryol.34: 192-198.https://doi.org/10.1111/j.1439-0264.2005.00594.x (NAAS rating 7.1) • Kumar, P., Timoney, J.F. and Sheoran, A.S. (2001). M cells and associated lymphoid tissue of the equine nasopharyngeal tonsil. Equine Vet. J. 33: 224-230.https://doi: 10.2746/042516401776249697 (NAAS rating 8.4) • Kumar, P. and Kumar, S. (2000). The ultrastructure of the subcommissural organ ependyma of goat. Anat. Histol. Embryol. 29: 307-311.https://doi: 10.1046/j.1439-0264.2000.00276.x (NAAS rating 7.1) • Kumar, P.,Kumar, S. and Singh, Y. (1993). Histological studies on the nasal ethmoturbinates of goats. Small Rum. Res. 11: 85-92.https://doi: 0921-4488/93/$06.00 (NAAS rating 7.8) • Kumar, P. and Kumar, S. (2001). Ultrastructural studies on the hypendyma of subcommissural organ of goat. Indian J. Anim. Sci.71: 303-307. (NAAS rating 6.3)
IPRs granted	• **Patent granted**: NA
Awards/ Fellowships/ Recognition received	• Dr. P.S. Lalitha Silver Jubilee Medals and Awards for Best Research Paper published in Indian Journal of Veterinary Anatomy by IAVA (2026, 2019, 2016, 2014,2012, 2010) • Dr. K. L. Suri Award and Medal for Best Poster by IAVA (2025) • Fellow-National Academy of Veterinary Sciences (I) (2025) • Dr. A.M. Srivastava Gold Medal and Award for Outstanding Ph.D. thesis of student (2022) • Mrs. Om Wati and Dr. Yashwant Singh Medal for Best paper on Ultrastructure by Indian Association of Veterinary Anatomists (IAVA) (2022) • Dr. Mohan Bhattacharya Silver Jubilee Medal for Best paper presentationon Histology & Histochemistry by IAVA (2022) • Dr. V.R. Bhambhurkar Anatomist of the Year Medal and Award by IAVA (2019) • Dr. A.M. Srivastava Medal for Outstanding M.V.Sc. thesis of student by IAVA (2011) • Silver Jubilee Medal and Award by IAVA for Best Research Paper presentation (2009) • Fellow-Indian Association of Veterinary Anatomists (2009) • Silver Jubilee Award by IAVA for Best Research Paper presentation (2008) • Medal and Award for Best Research Paper Award by IAVA (Dec., 2006) • Medal and Award for Best Research Paper Award by IAVA (Jan., 2006) • Cover page: Equine Research and Service Report-USA (2005, 2000) • Medal and Award for Best Research Paper presentation by IAVA (2004) • Medal and Award for Best Research Poster presentation by IAVA (2004)

Awards/ Fellowships/ Recognition received	• Best Research Poster Award by IAVA (2003) • Best Research Poster Award by IAVA (2002) • Albert Lorraine and Clay Fellowship by University of Kentucky, USA (1999) • First Position in Ph.D. (OGPA 4.00/4.00) (1994) • Dr. V.D. Kashyap Gold Medal for Best thesis of CCS HAU, Hisar (1994) • First Position in M.V.Sc. (OGPA 4.00/4.00) (1991) • Young Scientist Award by Indian Association of Veterinary Anatomists (1998) • Best Logo Award: Silver Jubilee Year Celebrations of COVS, Hisar (1998) • Best Slogan Award: Silver Jubilee Year Celebrations of COVS, Hisar (1998)
Membership of Professional Scientific Societies	• Life Member, Indian Association of Veterinary Anatomists • Life Member, Haryana State Veterinary Council • Life Member, Alumni Association, COVS, CCS HAU, Hisar • Life Member, Alumni Association, COVS, LUVAS, Hisar • Member, World Association of Veterinary Anatomists • Member, European Association of Veterinary Anatomists
Editorial board of Scientific Journal	• Chief Executive Editor, Indian Journal of Veterinary Anatomy (2018-21; 2012-14) • Member, Editorial Board, Journal of Buffalo Science • Member, Editorial Board, Veterinary Research International • Associate Editor, The Haryana Veterinarian • Member, Editorial Board, The Haryana Veterinarian
Reviewer of Scientific Journals	• Anatomia Histologia Embryologia • Anatomical Record • Journal of Histochemistry and Cytochemistry • Histology and Histopathology • Biotechnic& Histochemistry • Archives of Zoological Studies • Indian Journal of Animal Sciences • The Haryana Veterinarian • Indian Journal of Veterinary Anatomy
Any Other (if any)	• Director, Institute of Para Veterinary Sciences (2024-26) • Director Students' Welfare-cum-Estate Officer (2023-24) • General Secretary, Indian Association of Veterinary Anatomists (2022-2024) • Organising Secretary, Annual Convention and International Symposium of IAVA (2022) • Discovery of P-cell in nasopharyngeal tonsil of buffalo (2025) • Appreciation-Certificate by District Administration, Hisar (2016) • Joint Secretary, Annual Convention and International Symposium of IAVA (2008) • Discovery of M-cell in nasopharyngeal tonsil of horse (2001) • Restructuring of Museum of the department • Post-Doctoral Research Scholar, University of Kentucky, USA (1999-2000) • Subject expert for the selection of posts of Professor, Assoc. Prof. and Assistant Professors • Subject expert for the posts of Veterinary Surgeons by Public Service Commissions • External Examiner for UG and PG examinations by different universities • Expert member for examination by ASRB, NTA