Dr Sandeep Kumar

Designation	**Assistant Professor**
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Educational Qualifications	• 2018: Ph.D. Veterinary Gynaecology and Obstetrics, COVS, LUVAS, Hisar • 2012: M.V.Sc., Veterinary Gynaecology and Obstetrics, COVS, LUVAS, Hisar • 2010: B.V.Sc. & A.H., COVS, CCS HAU, Hisar
Employment Details	• Assistant Professor, LUVAS: 30.10.2013-continuing
Research Interests	• Obstetrics, Infertility and USG
Students Guided	• As Major Advisor: 02 M.V.Sc. • As Member Advisory Committee: 13 students
Research Projects Handled/Undergoing	• HSCSIT funded "Size-specific follicles selection and identification of non-invasive biomarkers of oocyte competence and embryo development in buffalo" • RKVY funded "Transfer of ultrasound knowledge from Lab to farmers doorstep"

Publications	**Total Research Papers Published:** 40 **>8.0 NAAS rating:** 08 **6-8 NAAS rating:** 10 **Google Scholar index** **Research Citations**: **h-index**: **i-10index**:	**Books Published:** 01 **Book Chapters: 0**2 **Practical/Training Manuals:** 03	**PopularArticles: 8** **Seminar/ Conference Attended:** 10

	• Panihar, S., Pandey, A. K., Pradeep, H., Hitesh, R., Kumar, R., & Dinesh. (2026). Ectopic abdominal pregnancy in cow and its management. Journal of Livestock Science, 17, 218–221. • Sharma, G., Pandey, A. K., Jangra, H., Kumar, S., Saini, P., Kumar, R., & Choudhary, D. (2026). Gamete co-incubation duration modulates blastocyst developmental competence in buffalo through regulation of growth factors, steroidogenesis and oxidative stress pathways. Molecular Biology Reports, 53, Article 1246. https://doi.org/10.1007/s11033-026-12448-9 • Solanki, A., Pandey, A. K., Jangra, H., Saini, P., Kumar, S., Kaushik, R., Joshi, V. G., Kumar, R., & Kognole, S. (2026). In vivo use of melatonin improves oocyte developmental competence and blastocyst development rate in indigenous donor cow during summer. Tropical Animal Health and Production, 58(5), Article 349. https://doi.org/10.1007/s11250-026-05116-4 • Kumar, S., Pandey, A. K., Saini, G., Ravish, S., Dehmiwal, D., & Kumar, A. (2025). Surgical delivery of live fetus in buffalo suffering from secondary extra-uterine pregnancy. Buffalo Bulletin, 44(4), 487–491. • Saini, P., Kumar, S., Jangra, H., Solanki, A., Verma, R. R., Kumar, R., Kaushik, R., Grakh, K., Saini, G., Bangar, Y., & Pandey, A. K. (2025). The occurrence of follicular cyst affects the embryonic developmental competences of buffalo oocytes under in vitro culture conditions. Theriogenology, 235, 152–161. https://doi.org/10.1016/j.theriogenology.2025.01.007 • Solanki, A., Pandey, A. K., Jangra, H., Saini, P., Kumar, S., Kaushik, R., Virmani, M., Kumar, R., Verma, R., & Bangar, Y. (2025). Exogenous melatonin improves blastocyst developmental competence and levels of antioxidants in indigenous donor cattle under heat stress. Theriogenology, 246, Article 117549. https://doi.org/10.1016/ j.theriogenology. 2025. 117549 • Saini, G., Kumar, S., Pandey, A. K., Yadav, V., & Sharma, S. (2023). Intensity of estrus expression—valuable obvious determinant of fertility in Bos indicus cows. Animal Biotechnology. https://doi.org/10.1080/10495398.2023.223496 • Saini, G., Kumar, S., Pandey, A. K., Singh, H., & Virmani, M. (2023). Presynchronization with simultaneous administration of GnRH and prostaglandin F2α (PGF2α) 7 days prior to Ovsynch improves reproductive profile in Hariana zebu cow. Tropical Animal Health and Production, 55, Article 19. https://doi.org/10.1007/s11250-022-03439-6 • Singh, H., Pandey, A. K., Kumar, S., Saini, G., Duggal, R., Bangar, Y. C., Saini, R., & Kumar, H. (2022). 5D CIDR-Heatsynch improves the circulatory estradiol levels, estrus expression and conception rate in anestrus buffalo (Bubalus bubalis). Animal Biotechnology. https://doi.org/10.1080/10495398.2022.2158337 • Kumar, S., Chandolia, R. K., Pandey, A. K., Pradeep, H., Hitesh, Gyan Singh, & Gitesh. (2022). Doppler sonography of umbilical artery throughout pregnancy in sheep. The Indian Journal of Animal Reproduction, 43(2), 31–35.
IPRs granted	**Nil**
Awards/ Fellowships/ Recognition received	• Dr. G.B. Singh Memorial award -2025 By Indian Society for study of Animal Reproduction • Dr. N.C. Sharma Memorial Award -2023 By Indian Society for study of Animal Reproduction
Membership of Professional Scientific Societies	• Indian Society for study of Animal Reproduction (ISSAR) • Indian Society for Advancement of Canine Practice (ISACP) • Indian Society for Buffalo Development (ISBD) • Society for Veterinary Sciences and Biotechnology (SVSBT)
Editorial board of Scientific Journal	• The Indian Journal of Animal Reproduction
Reviewer of Scientific Journals	• Haryana Veterinarian • The Indian Journal of Animal Reproduction • Veterinary Record Case Reports
Any Other (if any)	• Nodal Officer of AISHE portal, LUVAS