Dr. Manoj Kumar Rose	
Designation	**Professor**
	Department of Veterinary Physiology and Biochemistry, College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar-125004, Haryana, India Mobile: +9194164-88838 E-mail: rosemk@luvas.edu.in
Educational Qualifications	• 2005: Ph.D. Veterinary Physiology, COVS, CCS HAU, Hisar (Research work was carried out in Germany under DAAD Fellowship exchange programme) • 1993: M.V.Sc., Veterinary Physiology, COVS, CCS HAU, Hisar • 1991: B.V.Sc. & A.H. (Hons.), COVS, CCS HAU, Hisar
Employment Details	• Professor, LUVAS, Hisar: 16.05.2011-to till date • Associate Professor, CCS HAU/ LUVAS, Hisar: 16.05.2005 to 15.05.2011 • Assistant. Professor, CCS HAU/LUVAS, Hisar 05.05.1995 to 15.05.2005 • Veterinary Surgeon. Dept. of Animal Husbandry and Dairying, Govt. of Haryana, 06.04.1993 to 04.05.1995.
Research Interests	• Veterinary Physiology/Animal Physiology with research interest in Digestive Physiology, Renal Physiology, Immuno-Endocrinology and Reproductive Physiology.
Students Guided	• As Major Advisor: 03 M.V.Sc., and 01 Ph.D. students
Research Projects Handled/Undergoing	• Life time endocrine status of the buffalo, from May 1995 to June 1999. • Studies on digestive and renal physiology of buffalo to enhance its productivity, from July 2000 to August 2001 and from July 2005 to June 2009. • Studies on Digestive Physiology of Ruminants, July 2009 to June 2022. • Studies on application of natural antimicrobial peptides for enhancing shelf life of milk and meat products. Funding agency: Ministry of Food Processing Industriesm Govt. of India 2018 to 2021. • Upgradation of existing RKVY Laboratory for diagnostic aids to the farmer funded under RKVY, from 2013-2016.

Publications	**Total Research Papers Published: 50** **>8.0 NAAS rating: 03** **6-8 NAAS rating: 14** **Google Scholar index** **Research Citations: 335** **h-index: 09** **i-10 index: 07**	**Books Published: 01** **Book Chapters: 04** **Practical/Training Manuals: 11**	**Popular Articles: 02** **Seminar/ Conference Attended: 11**

Best 10 publications:

1. Chaudhary, P.; Magotra, A.; Alex, R.; Bangar, Y.C.; Sindhu, P.; **Rose, M.K.** and Garg. A.R. 2025, Dairy Cattle Reproduction, Production, and Disease Resistance in the Omics Era: Genome-Wide Selection Signatures Identify Candidate Genes in Sahiwal Cattle. OMICS A Journal of Integrative Biology, 29 (5): 191-205.
2. Kumar, K.; Dey, A.; **Rose, M.K**.; Dahiya, S.S. 2022. Modulating feed digestion and methane production by eucalyptus (eucalyptus citriodora) leaves essential oils in water buffalo (bubalus bubalis). Buffalo Bulletin, **41 (**1), 41-47.
3. Kumar, K.; Dey, A.; **Rose, M.K.;** Dahiya, S.S. 2022. Impact of Dietary Phytogenic Composite Feed Additives on Immune Response, Antioxidant Status, Methane Production, Growth Performance and Nutrient Utilization of Buffalo (Bubalus bubalis) Calves. *Antioxidants*, **11,** 325. https://doi.org/10.3390/antiox 11020325.
4. Sharma, S., Gautam, A.K., Singh, S.V., Chaubey, K.K., **Rose, M.K.,** Bangar, Y. and Gururaj, K. (2021). In vivo kinetics of peripheral cellular immune responses in Mycobacterium avium subspecies paratuberculosis (MAP) infected and vaccinated goats. *Comparative Immunology, Microbiology and Infectious Diseases,* **79,** 101710.
5. Sharma, S., Gautam, A., Singh, S.V., Chaubey, K.K., Mehta, R., Gupta, S., Sharma, M., Rose, M.K. and Jain, V.K. (2020). Prevalence of *Mycobacterium avium* subspecies *paratuberculosis* (MAP) infection in suspected diarrhoeic buffaloes and cattle reporting at Veterinary University in India. *Comparative Immunology, Microbiology and Infectious Diseases.* **73,** 101533.
6. Madan, J., Sindhu, S. and **Rose, M.K.** (2020). Changes in plasma biochemical parameters and hormones during transition period in Beetal goats carrying single and twin fetus. *Veterinary World*, **13**(6), 1025-1029.
7. Madan J., Kumar, S., Sindhu S., Gupta, M., Pandey, A.K., Yadav, A.S. and **Rose M.K.** (2019). A Study of Thyroid Hormone Levels in Beetal Goats During Different Development Stages. *International Journal of Bio-resource and Stress Management,* **10**(2), 137-140. HTTPS://DOI.ORG/ 10.23910/ IJBSM /(2019). 10.2.1962.

	8. **Rose, M.K.** (2013). Lymphocytic nitric oxide secretion during different reproductive phases in cattle. *Indian Journal of Animal Research*, **47**(4), 331-334. 9. **Rose, M.K.** and Parvizi, N. (2011). Up-regulation of lymphocytic growth hormone secretion during the luteal phase of cycle and early pregnancy. *Regulatory Peptides,* **167,** 1-4. 10. **Prasad**, R., **Rose, M.K.,** Virmani, M., Garg, S.L. and Puri, J.P. (2009). Lipid Profile of Chicken (Gallus domesticus) in Response to Dietary Supplementation of Garlic (Allium sativum). *International Journal of Poultry Science,* **8** (3), 270-276.
Membership of Professional Scientific Societies	• Life member of The Indian Society for the Study of Animal Reproduction • Life member of Indian Pineal Study Group • Life member of Society of Animal Physiologists of India • Life member of Indian Society for Buffalo Development • Life member of Indian Poultry Science Association, India • Life member of Indian Veterinary Journal
Reviewer of Scientific Journals	• Indian Journal of Animal Sciences
Any Other (if any)	• Professor and Head of Department of Veterinary Physiology and Biochemistry from 15.04.2017 to 14.04.2021. • Dean, Post Graduate Studies, LUVAS, Hisar from 01.04.2022 to 31.03.2026. • Director, Extension Education, LUVAS, Hisar from 01.10.2022 to 15.09.2023. • Dean, College of Veterinary Sciences, LUVAS, Hisar from 01.11.2025 to 31.03.2026. • Coordinator of Examinations, COVS, LUVAS, Hisar 01.04.2016 to 31.03.2022.