Dr Jyotsana Madan

Designation	**Professor, Department of Veterinary Physiology and Biochemistry**
	Department of Veterinary Physiology and Biochemistry Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar -125004 (Haryana) India Phone: 01662- (O) Mobile: +919896648861 E-mail: jyotsana@luvas.edu.in
Educational Qualifications	• 2006: Ph.D. Veterinary Physiology, COVS, CCS HAU, Hisar • 1996: M.V.Sc., Veterinary Physiology, COVS, CCS HAU, Hisar • 1994: B.V.Sc. & A.H., COVS, CCS HAU, Hisar
Employment Details	• Professor, LUVAS, 06-08-2009-continuing • Asstt. Scientist, KVK, Rewari 1998-2001
Research Interests	• Ruminant Digestive Physiology • Environmental Physiology and methane mitigation
Students Guided	• As Major Advisor: 03 M.V.Sc., • As Co-Major Advisor: 1 Ph.D. student. 03 M.V.Sc. students • As Member Advisory Committee: 15 students
Research Projects Handled/Undergoing	•
Publications	**Total Research Papers Published:** 38 **>8.0 NAAS rating:** 04 **6-8 NAAS rating:** 03
	Book Chapters: 01 **Practical/Training Manuals:** 03
	PopularArticles: 09 **Seminar/ Conference Attended:** 10

Research publications in APA format (Best 10 only)

- Pooja, Madan, J., Sindhu, S., Chugh, P., Sarthak and Yadav, D.C. (2026). Influence of herbal feed additives (Emblica officinalis and Asparagus racemosus) on ruminal fermentation and physiological parameters of Murrah buffaloes. J. Livestock science.17:685-690. doi. 10.33259/JLivestSci.2026.685-690.
- Chugh, P., Dhillod, S., Bidhan, D.D., Singh, N., Kumar, S., Singh, M., Sharma, V., Madan, J. and Kumari, S. (2026). Impact of roof modification on the growth performance, body condition score and economics of lactating Murrah buffaloes in loose housing system. J. livestock Sci. 17: 34-42. doi. 10.33259/J. Livest Sci.2026.34-42.
- Sarthak, Madan, J., Nehra, Neetu, Pooja and Chugh, Pulkit (2025). Effect of feeding *E. officinalis* on rumen fermentation and biochemical parameters in growing buffalo calves. International Journal of Advanced Biochemistry Research SP-9(1): 589-593 https://doi.org/10.33545/26174693.2025.v9.i1Sh.3573
- Khattar, Harpreet Singh, Madan J. and Sindhu, S. (2022). Peripheral study on plasma leptin and ghrelin in relation to body weight and biochemical parameters in growing buffaloes. The Haryana Veterinarian 60(1):5-7. ISSN 0033-4359 (P)

	• Lakhani, P., Kumar, R., Madan, J. and Sindhu, S. (2022) Ruminant Methane Mitigation- Strategy from Bench Top to Field Condition: A Review. Agricultural Reviews DOI: 10.18805/ag.R-2152(1-9). • Madan, J., Sindhu S., 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. EISSN:2231-0916. doi: 10.14202/vetworld.2020.1025-1029 • Madan, J., Singh, V., Sindhu, S. and Kumar, Ravi (2019). Residual feed intake and its association with blood biochemical parameters and metabolic hormones in buffalo calves. Journal of Entomology and Zoology Studies 7(1): 1282-1286. • Madan, J., Sindhu S., Rose, M.K. and Gupta, M. (2019). Screening of some plant extracts on *in vitro* rumen fermentation parameters. International Journal of Advanced Biological Research 9 (1):9-13 • Madan. J., Kumar, Sandeep., Sindhu, S., Gupta, M., Pandey, A. K., Yadav, A. S., 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
Membership of Professional Scientific Societies	• Society of Animal Physiologists of India • Animal Nutrition Association
Reviewer of Scientific Journals	• Indian Journal of Animal Research
Any Other (if any)	• Incharge, Disease Free Small Animal House