

<b>Dr. Manoj Kumar Rose</b>							
<b>Professor, Veterinary Physiology</b>							
	<p><b>Department of Veterinary Physiology and Biochemistry</b>  <b>College of Veterinary Sciences</b>  <b>Lala Lajpat Rai University of Veterinary &amp; Animal Sciences, Hisar-125004 (Haryana) India</b></p> <p>Contact:  Tel: 0091-1662-256121(Office)  0091-94164-88838, 7988386145 (Mobile)  Fax:0091-1662-272002.  Emails: <a href="mailto:drmanojrose@gmail.com">drmanojrose@gmail.com</a>, <a href="mailto:rosemk@luvas.edu.in">rosemk@luvas.edu.in</a></p>						
<b>Educational Qualifications</b>	<p>2005 Ph.D.(Veterinary Physiology), CCSHAU Hisar (Research work was carried out in Germany under German Academic exchange service fellowship programme)</p> <p>1993 M.V.Sc. (Veterinary Physiology), CCSHAU Hisar</p> <p>1991 B.V.Sc. and A.H.(Hons.), CCSHAU Hisar</p>						
<b>Employment Details</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Professor</td> <td>May, 2011 Till to date</td> </tr> <tr> <td>Associate professor</td> <td>May, 2005 – May, 2011</td> </tr> <tr> <td>Assistant professor</td> <td>May, 1995 – May, 2005</td> </tr> </table>	Professor	May, 2011 Till to date	Associate professor	May, 2005 – May, 2011	Assistant professor	May, 1995 – May, 2005
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Associate professor	May, 2005 – May, 2011						
Assistant professor	May, 1995 – May, 2005						
<b>Research Interests</b>	All disciplines of Veterinary Physiology/Animal Physiology						
<b>Award and Recognitions</b>	<ul style="list-style-type: none"> <li>Awarded Best Teacher Award of LUVAS for the Year 2017</li> <li>Awarded German Academic Exchange Service (DAAD) fellowship for carrying out Ph.D. research work in Germany.</li> <li>Awarded CCS HAU Merit fellowship throughout B.V.Sc. and A.H. programme.</li> <li>Awarded CCS HAU Merit fellowship throughout M.V.Sc. programme.</li> </ul>						
<b>Membership of Scientific Societies</b>	<ul style="list-style-type: none"> <li>Life member of Indian Society for the Study of Animal Reproduction</li> <li>Life member of Indian Pineal Study Group</li> <li>Life member of Society of Animal Physiologists of India</li> <li>Life member of Indian Society for Buffalo Development</li> <li>Life member of Indian Poultry Science Association</li> <li>Life member of Indian Veterinary Journal</li> </ul>						

## SELECTED LIST OF PUBLICATIONS OF DR. M. K. ROSE

- 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. DOI:10.1016/j.cimid.2020.101533.
- 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.
- 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.](https://doi.org/10.23910/IJBSM/2019.10.2.1962)
- 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.
- Kumar, K., Dey, A. and **Rose,, M.K.** 2018. Effect of cinnamon bark extract on *In-vitro* rumen fermentation and methanogenesis. *Haryana veterinarian*. **57** (1): 34-37.
- **Rose, M.K.** 2018. Interplay of immune and endocrine system in reproduction. Lead paper presented and published in: Book of Invited Papers of “XXVII Annual conference of Society of Animal Physiologists of India and National Symposium on Augmentation of Animal Productivity under Changing Socio-Economic Scenario”, held at NDRI Karnal, November 27-28, 2018, pp.152-157.
- Madan J., Sindhu S., Gupta M., **Rose M.K.** and A.S. Yadav. 2017. Age associated variations in biochemical profile in beetal goats. *Haryana Veterinarian*. **56** (1): 63-65.
- **Rose, M.K.** and Gupta, M. 2015. Age associated variations in lymphocytic growth hormone secretion in cattle. *Journal of Cell and Tissue Research*. **15**(3): 5335-5340.
- Singh, P., **Rose, M. K.**, Yadav, P.S., Sharma, R. and Singh, J. 2014. Gene expression involved in apoptosis like mechanism before and after freezing of umbilical cord matrix stem cells using different cryoprotectants. *Journal of Cell and Tissue Research*. **14**(2): 4429-4433.
- Kumar, R., Gupta, M., **Rose, M. K.**, Ghosh, M. and Singh, I. 2014. Hematological profile in postpartum anestrous and normal cyclic Murrah buffaloes. *Journal of Cell and Tissue Research*. **14** (2): 4241-4243.
- Madan, J., Gupta, M., **Rose M. K.**, Sindhu S. and Kar D. 2013. Metabolic alterations in buffaloes suffering from digestive disorders. *Haryana Veterinarian*. **52**: 71-72.
- **Rose, M.K.** 2013. Lymphocytic nitric oxide secretion during different reproductive phases in cattle. *Indian Journal of Animal Research*. **47**(4): 331-334.

- Singh, P., **Rose, M.K.**, Yadav, P.S., Sharma, R., and Singh, J. 2013. Effects of cryoprotectants on freezing, culture behavior of buffalo umbilical matrix cells. *Journal of Cell and Tissue Research*. **13** (2): 3625-3630.
- **Rose, M.K.**, Puri, J.P., Gupta, M., Sindhu, S., Garg, S.L. 2012. Seasonal variations in thyroid hormone levels in male buffaloes (*Bubalus bubalis*). *The Journal of Animal and Plant Sciences*. **22** (S4): 591-593.
- **Rose, M.K.** 2012. Age associated variations in plasma growth hormone and sex steroid levels in cattle. *Indian Veterinary Journal*. **89**(10): 28-30.
- Phogat, J.B. and **Rose, M.K.** 2012. Opioidergic, adrenergic and GABAergic modulation of growth hormone and cortisol secretion: A Review. *Indian Journal of Animal Sciences*. **82**(9): 946-952.
- **Rose, M.K.** 2012. Plasma growth hormone levels during various reproductive phases in cattle. *Indian Veterinary Journal*. **89**(3): 31-33.
- **Rose, M.K.** and Phogat, J.B. 2011. Growth hormone and regulation of reproduction and immune system- A review. *Indian Journal of Animal Sciences*. **81**(11): 1099-1112.
- **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.
- Prasad, R., **Rose, M.K.**, Garg, S.L. and Puri, J.P. 2010. Thyroid hormone levels in response to dietary supplementation of Garlic (*Allium sativum*) in chicken. *Indian Journal of Poultry Science*. **45**(1): 97-99.

### **Books/Chapters in Books**

- **Rose, M.K.**, Gupta, M. and Sindhu, S. 2015. *Practical Veterinary Physiology*, 1<sup>st</sup> Edn. Pp. 1-210. Kalyani Publishers, Ludhiana, New Delhi.
- **Rose, M.K.** and Gupta, M. 2014. Nanotechnological approaches for oestrus detection and synchronization and the fertility improvement. In: Garg, S.R. (ed) *Nanotechnology for Animal Health and Production*, 1<sup>st</sup> edn. Pp. 225-232. Astral International Pvt. Ltd., New Delhi.