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(Animal Physiology)

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Publications	Total no. of Research Paper	: 35
	Total no. of Books/Manual	: 02
	No. of patent granted (G) /filed (F)	: 2 (G) 4 (F)
	Copyright granted (G) /filed (F)	: (G) (F)
	Policy Document	:06
Research interests:		
Physiogenomics of adaptation, RNA biology, nutrigenomics, advanced microscopy techniques		
Publications:		
<ol style="list-style-type: none"> 1. Mohan N.H., et al. (2020). Relationship between plasma, saliva, urinary and faecal cortisol levels in pigs. <i>Indian Journal of Animal Sciences</i>, 90 (5): 106–110. 2. Mohan N.H., et al. (2018). Relationship between morphology and tensile properties of pig hair fibre. <i>Indian Journal of Fibre & Textile Research</i>, 43: 126-131. 3. Mohan N.H., et al. (2017). Characterization of Thermal Properties of Pig Hair. <i>Fiber. Journal of Natural Fibers</i>, 14:4, 459-465. 4. Mohan N.H., et al. (2014). Tensile properties of hair fibres obtained from different breeds of pigs. <i>Biosystems Engineering</i>, 119, 35–43. 5. Mohan N.H., et al. (2012). Effect of dietary sunflower oil and coconut oil on adipose tissue gene expression, fatty acid composition and serum lipid profile of grower pigs. <i>Archives of Animal Nutrition</i>, 66:4, 271-282. 6. Mohan.N.H., et al. (2012). Modulation of DNA synthesis in porcine adipose tissue by growth hormone, insulin and leptin. <i>Indian Journal of Animal Sciences</i>, 82: 90. 7. Mohan N.H., et al. (2011). Relative expression of an “H19 like” gene in stomach and intestine of mouse. <i>Indian Journal of Animal Sciences</i>, 81:55. 8. Mohan N.H., et al. (2009). Analysis of relationship between Q-T and R-R interval in the electrocardiogram of goats. <i>Indian Journal of Animal Sciences</i>, 79 (4) 362-365. 9. Mohan N.H., et al. (2009). Augmented unipolar lead based formula calculation of mean electrical axis of the heart. <i>Indian Journal of Animal Sciences</i>, 79 (4) 366-368. 10. Mohan N.H., et al. (2006). Follicular changes during compensatory ovarian hypertrophy in pineal extract and melatonin administered rats. <i>Indian Journal of Animal Sciences</i>, 76: 498-502. 11. Mohan N.H., et al. (2005). Analysis of normal electrocardiograms of Jamunapari goats. <i>Journal of Veterinary Science</i>, 6 (4), 295-298. 		

Technologies developed:

1. A corral apparatus for transport of animals
2. Pig hair based biocomposite

Awards

- ICAR- National Fellow

Membership of professional society:

- Kerala State Veterinary Council
- Indian Society for Veterinary Immunology and Biotechnology (Life member since 1999)
- Indian Pineal Study Group (Life member since 2000)
- Indian Association of Veterinary Pathologists (Life member since 2001)
- Animal Genome Mapping Community (Life member since 2003)
- Society of Animal Physiologists of India (Life member since 2007)
- Swine Production Society of India (Life member since 2008)
- American Diabetes Association(Annual member 2010-11)
- Society for Biosafety (Life member since 2015)
- Indian Science Congress Association
- Indian Society of Biological Chemists of India
- Vijnanabharati (Swadeshi Science Movement)