



International Symposium on  
**"Novel Knowledge, Innovative Practices and  
Research in Theriogenology"**

December 27<sup>th</sup> to 29<sup>th</sup>, 2021

College of Veterinary and Animal Sciences, Mannuthy, Thrissur, KVASU

## LEAD PAPERS

Greetings from the Organizers of the International Symposium on "Novel Knowledge, Innovative Practices and Research in Theriogenology" to be held under the aegis of the Indian Society for Study of Animal Reproduction (ISSAR) and the Kerala Veterinary and Animal Sciences University.

We are privileged to have the following Lead Paper speakers for the sessions.

### 1. Bovine Gynaecology and Obstetrics



**Dr. Narayanan K.**, Principal scientist  
Indian Veterinary Research Institute, Bengaluru

*Endometrial cell line- A tool in understanding luteolysis and MRP in the cow*



**Dr. Manas Kumar Patra**, Scientist  
Indian Veterinary Research Institute, Bareilly

*Role of kisspeptinergic system in modulation of HPG axis in farm animals with special reference to buffalo*

### 2. Small Ruminant and Swine Reproduction



**Dr. M. Karunakaran**, Principal scientist  
National Dairy Research Institute, Kalyani, Kolkata  
*Reproductive disorders in goats - causes and prevalences*



**Dr. Gokuldas P.P.**, Scientist  
Central Coastal Agricultural Research Institute, Goa  
*Control of ovarian activity in pigs - an overview of practical uses, recent advances and prospects*

### 3. Andrology, Seminology and Artificial Insemination



**Dr. S. Selvaraju**, ICAR-National Fellow & Principal Scientist  
National Institute of Animal Nutrition and Physiology, Bengaluru

*Identification of fertility signatures in sperm - a way forward*



**Dr. A. Kumaresan**, Principal Scientist  
National Dairy Research Institute, Bengaluru

*Getting more female calves - Concepts and methods*



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### 4. Reproductive Biotechnology



**Dr. T.K. Datta**, Director

Central Institute for Research on Buffaloes, Hisar

*Making of a mammalian embryo- All that glitter are not gold*



**Dr. Viju Vijayan Pillai**, Resident, Anatomic Pathology, Department of Comparative Pathobiology, Purdue University

*Pluripotent stem cells for the improvement of livestock*

### 5. Companion Animal Reproduction



**Dr. Cyril P. Stephen**, Associate Professor

Charles Sturt University, Australia

*Canine endoscopic transcervical insemination*



**Dr. Sarita Gulavane**, Professor & Head

Mumbai Veterinary College

*Fertility management in felines*

### 6. Equine, Camel and Wild animal Reproduction



**Dr. Budhan S. Pukazhenti**, Reproductive Physiologist

Smithsonian Natinoal Zoo and Conservation Biology Institute

*Saving endangered species - Role of reproductive sciences*



**Dr. Thirumala Rao Talluri**, Senior Scientist

ICAR - NRC on equines, Bikaner Rajasthan

*Status and future prospects of ARTs in equine reproduction*

### 7. Clinical Case Presentation



**Dr. Lionel Dawson**, Professor

Oklahoma State University

*Practice tips in small ruminants and swine*



**Dr. Mrigank Honparkhe**, Principal Scientist cum Head

College of Veterinary Science, Guru Angad Dev Veterinary University

*Advances in obstetrical procedures in dairy animals*