

Who can attend

Faculty members, research scholars, and scientists from Animal Genetics, Animal Reproduction, Bioinformatics, Biotechnology, Life Sciences and other related disciplines.

Travel, Accommodation and Food

The confirmed participants should arrange their own travel and accommodation. Only working lunch will be provided.

Registration

The registration is free and is limited to 100 participants on first-come, first-served basis. The interested candidates can submit the Google Form for registration. The submission of registration form alone does not confirm the participation of the candidate. Final participation will be confirmed following scrutiny of the applications by the Organising Secretary.



Registration link:

<https://docs.google.com/forms/d/e/1FAIpQLSdMRmDbs3Jd7HPVct-LY7>

ORGANIZING COMMITTEE

Chief Patron

Dr. R. NARENDRABABU, Ph.D.,
Hon'ble Vice Chancellor i/c,
TANUVAS, Chennai, India

Organising Secretaries

Dr. R. RAJENDRAN, Ph.D.,
Director of Research, TANUVAS, Chennai, India

Dr. HAJA NAJEEMUDIN KADARMIDEEN
PI of GenART Project and Professor,
Dept. of Animal and Veterinary Sciences,
Aarhus University, Denmark

Co-organising Secretaries

Dr. S. SATHESH KUMAR, Ph.D.,
Dean, Faculty of Basic Sciences,
Madras Veterinary College, Chennai, India

Dr. D. BASKARAN, Ph.D.,
Professor and Head
Department of Livestock Products Technology (Dairy Science),
Madras Veterinary College, Chennai, India

Contact:

Email
tangenseminar2026@gmail.com, dr@tanuvas.org.in
Website
www.tanuvas.ac.in



Tamil Nadu Veterinary and
Animal Sciences University

International Seminar on

Cattle Genetic Diversity and Reproductive Technologies for Sustainable Livestock Development

10th November 2026

Organised by

**Tamil Nadu Veterinary and
Animal Sciences University
and
Aarhus University, Denmark**

Venue

**Madras Veterinary College
Chennai – 600007, Tamil Nadu, India**



Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), established in 1989, is a premier university in India dedicated to advancing education, research, innovation and extension in veterinary, animal and food sciences. With a strong commitment to conservation and sustainable utilization of animal genetic resources, TANUVAS plays an important role in the conservation, characterization and improvement of indigenous livestock breeds and the preservation of valuable livestock biodiversity. Over the years, TANUVAS has evolved into a multidisciplinary centre of excellence, addressing critical challenges in animal health, livestock production, food security and sustainable rural livelihoods through cutting-edge research and technology-driven interventions. At present, the University is functioning with nine constituent colleges and six directorates with a total of 4359 students including undergraduate, postgraduate and postgraduate diploma courses. TANUVAS brings together expertise in animal genetics and breeding, reproductive biotechnology, genomics, animal health, nutrition, livestock production and food technology, providing a strong platform for interdisciplinary research and innovation. The University has a strong research foundation, supported by a dedicated Directorate of Research that oversees the strategic planning and promotion of research activities. The Directorate facilitates collaborations with national and international research organizations, monitors research projects, and manages research documentation to foster a vibrant research ecosystem.

Founded in 1928, Aarhus University (Aarhus Universitet, AU) is Denmark's second-oldest and second-largest public research institution. Located in Denmark's second-largest city on the Jutland peninsula, AU enrolls roughly 38,000 students and consistently ranks among the top 100 to 150 universities globally across major league tables. The university maintains a strong international presence, offering more than 50 bachelors and masters degree programs taught entirely in English, as well as English-track doctoral research. The Institute of Animal and Veterinary Sciences carries out basic, strategic and applied research in issues relating to the nutrition, health and welfare of livestock, companion animals and humans. The institute offers bachelors in animal science, veterinary medicine and three masters degree programmes. The department furthermore offers courses and possibilities for dissertation projects for students in related courses such as Biology, Molecular Biology, Molecular Nutrition and Food Technology and AgroEnvironmental Management.

The Indo-Danish collaborative project titled "Genomic Resilience of Local Cattle Breeds under Climate Changes and Artificial Reproductive Technologies (GenART)" is funded by the Danish Government under Global Innovation Network programme. The collaborators include Aarhus University, Viking Genetics and TransEmbryo of Denmark and Tamil Nadu Veterinary and Animal Sciences University, Kerala Veterinary and Animal Sciences University and National Institute of Animal Biotechnology of India. The GenART project was born through Denmark's Global Innovation Network Programme, a strategic move by the Ministry of Higher Education and Science to forge scientific alliances across 12 priority countries. India, with its vast cattle population and innovation potential, emerged as a natural partner.

Under this collaborative project, it is proposed to conduct a one-day International Seminar on "Cattle genetic diversity and reproductive technologies for sustainable livestock development", on 10.11.2026 at Madras Veterinary College, TANUVAS, Chennai. This seminar will address several urgent priorities, including the conservation and upgradation of indigenous germplasm, mainstreaming advanced assisted reproductive technologies (ART), mitigating the risks of inbreeding and reduced genetic diversity, adapting to climate change, and promoting environmental sustainability. The seminar will include the following lectures from International and National speakers with expertise in the core areas.

- ▲ **Lecture 1:** Advancing In vitro embryo production in Cattle by harnessing the Power of Genomics and Systems Biology
- ▲ **Lecture 2:** Advanced breeding schemes in Viking Genetics - Combining reproductive technologies with genomic selection in Denmark
- ▲ **Lecture 3:** Securing the Future of Indian Livestock – Leveraging Reproductive Biotechnologies for Sustainable Production
- ▲ **Lecture 4:** Harnessing Genomics for Cattle Breed Identity, Conservation and Productivity
- ▲ **Lecture 5:** Farm Animal Genetic Diversity in India: Status, Challenges and Opportunities for Sustainability
- ▲ **Lecture 6:** Structural Rearrangements and Immunological Hotspots in the Indian Desi Cattle Genome