Assisted Reproductive Technologies (ARTs) in Domestic Mammals

Guest Editors:

Prof. Dr. Salvador Ruiz López
Department of Physiology, University of Murcia, 30100 Murcia, Spain

Prof. Dr. Juan Carlos Gardón Poggi
Department of Medicine and Animal Surgery, Faculty of Veterinary and Experimental Sciences, Catholic University of Valencia San Vicente Mártir, 46001 Valencia, Spain

Prof. Dr. Jordi Miró Roig
Equine Reproduction Service, Department of Animal Medicine and Surgery, Faculty of Veterinary Sciences, Autonomous University of Barcelona, E-08193 Bellaterra, Spain

Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to publish papers on **Assisted Reproductive Technologies** (ARTs). The focus of ARTs in domestic species was concerned with genetic improvement or production aimed at allowing the livestock industry to respond to continually increasing demands for improved productivity and quality, as well as the conservation of rare or endangered breeds or species. Biomedical applications of these technologies have been pursued in domestic mammals as possible models applicable to human clinical conditions or with potential application in therapeutic drug development.

Research areas in this SI may include but are not limited to below biotechnologies:

-**Artificial insemination** with timed fixed AI programs and studies on resynchronization estrus and ovulation
-Biotechnologies for **semen evaluation**
-**In vivo embryo production**
-Ovum pick-up and **in vitro embryo production**
-Studies on **cryopreservation** of gametes and embryos
-**Sexing** technologies of spermatozoa and embryos
-In vitro culture of **preantral follicles**
-**Transgenesis** and somatic cell nuclear transfer
-**Cloning**, new **gene editing** technologies and **epigenetic** modifications and their roles in animal reproduction

mdpi.com/si/76890

Special Issue

Editor-in-Chief

Prof. Dr. Patrick Butaye
1. Department of Pathobiology, Pharmacology and Zoological Medicine, Faculty of Veterinary Medicine, Ghent University, Salisburylaan 133, B9820 Merelbeke, Belgium
2. Department of Infectious Diseases and Public Health, Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong, 31 To Yuen Street, Kowloon, Hong Kong SAR 999077, China

Message from the Editor-in-Chief

Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, and other databases.
Journal Rank: JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)

Contact Us