Special Issue

In Vitro Embryo Production in Ruminants

Message from the Guest Editors

Assisted reproductive technologies applied to ruminants, such as multiovulation, artificial insemination, embryo transfer, and in vitro fertilization (IVF), have been useful tools to accelerate the genetic progress in these species. Despite the effort to improve the IVF outcome in small and large ruminants in terms of embryo yield and quality, there are still many challenges to overcome. Further optimization of these technologies will potentially lead to their widespread application in ruminant breeding programs. This includes enhancing oocyte and sperm selection procedures, as well as designing optimal culture media and protocols for oocyte maturation, IVF, and embryo culture. Thus, the aim of this Special Issue is to highlight state-of-the-art advances in IVF—including review and research articles—applied to small and large ruminants. Finally, we hope that this Special Issue will raise interest in the fascinating field of IVF.

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Deadline for manuscript submissions

closed (31 December 2021)

Animals

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.9
Indexed in PubMed

mdpi.com/si/57738

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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

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