

Special Issue

Development and Application of Assisted Reproductive Techniques in Livestock and Companion Animals

Message from the Guest Editors

The Special Issue will present assisted reproduction techniques currently used and under development in livestock and companion animals. In addition to presenting the results of research on these techniques, we can also give an idea of the economic rationale behind their use. How can these techniques be used for gene conservation in local breeds? Which of the assisted reproduction techniques are likely to make significant breakthroughs? From an animal welfare perspective, how can animal stress and pain levels be effectively reduced during procedures? Can the use of cell nuclear transfer cloning be integrated into animal breeding practice? Are there new methods for gamete and embryo storage? What is the status of the use of sex sorted semen in different species? For which model experiments can the animal in vitro embryo production model be used? What is the current status and potential of preimplantation genetic testing for genomic breeding value determination and genomic studies in different species. What opportunities does genome editing offer for animal breeding? The Special Issue includes review articles and research publications in this field.

Guest Editors

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About the Journal

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 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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