

## Special Issue

# Selection and Conservation of Gametes and Embryos for Improving Assisted Reproductive Technologies

### Message from the Guest Editors

The efficiency of assisted reproductive technologies (ARTs) relies on the appropriate selection, manipulation, culture and conservation of gametes (the sperm and the egg), and embryos. From artificial insemination to in vitro embryo production, biotechnologies applied to reproduction have significantly impacted domestic animal production and the preservation of endangered species. This Special Issue will present original studies aiming to improve the selection and manipulation of gametes and embryos to increase developmental competence in different animal species that approach this challenge from a range of perspectives and areas, including sperm selection methods, novel oocyte activation protocols, in vitro fertilization, improvements in oocyte maturation and embryo culture, cryopreservation, etc., and focus on relevant aspects related to ARTs. We invite contributions that provide new insights and key points concerning assisted reproduction as a crucial tool in animal production and conservancy.

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### Guest Editors

Dr. Jesús Dorado

Dr. Manuel Hidalgo

Dr. Isabel Ortiz

Dr. Andrés Gambini

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### Deadline for manuscript submissions

closed (30 June 2023)



## Animals

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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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### Editor-in-Chief

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