

Special Issue

Unsolved Problems in Reproductive Biology - Current and Forthcoming Advances in Assisted Reproduction Technologies

Message from the Guest Editor

Although assisted reproduction technologies (ART) have had a significant boost over the past three decades, the propulsive thrust seems to have come to a halt. Firstly, while the different species share general principles of reproductive biology, substantial differences in the biology of the gametes might exist between species. As a consequence, the techniques and strategies successfully applied in a given species are not immediately transferable to another one. Secondly, in addition to individual biological variability, the poor quality of the gametes intended for ART and the difficulty of reproducing in vitro the conditions suitable to ensure the correct functionality of the gametes are critical limiting factors. We invite original research papers and review articles that address the improvement of reproductive performance with innovative approaches and/or proofs of principle studies. The overall aim is to shed light on animal reproductive biology and increase the translational aspects of assisted reproduction technologies both in animal breeding, conservation of threatened species and the human clinic.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2022)



Animals

an Open Access Journal
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Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



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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 (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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