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

Guest Editors:

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

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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Special Issue

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Message from the Editor-in-Chief

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