

Special Issue

Cryopreservation Technologies in Farm Animal Reproduction: Current Status and Future Perspectives

Message from the Guest Editor

Cryopreservation has become essential for farm animal reproduction and genetic resource preservation. In recent years, the efficiency of oocyte, embryo and semen cryopreservation in farm animals has been considerably improved, despite differences existing between farm species and within individuals of the same species in the post-thaw cell quality. The present Special Issue focus on cryopreservation technologies and the physical and chemical changes occurring in the gametes and embryos during the freezing and thawing cycle. Therefore, studies comparing the effects of different cryopreservation procedures, i.e., fast cryopreservation, slow cryopreservation and/or vitrification, cryopreservation media and/or cryoprotective agents on the reproductive performance of farm animals are welcome. Of great interest are also those studies focused on supplementing cryopreservation media with different substances, on the use of cryotolerance or free ability markers, and on the cryopreservation of ovarian tissue. Finally, manuscripts dealing with the future perspectives of cryopreservation in the farm industry are also considered relevant.

Guest Editor

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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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