

Special Issue

Emerging Trends and Innovations in Animal Reproduction Biotechnology

Message from the Guest Editors

This Special Issue, “Emerging Trends and Innovations in Animal Reproduction Biotechnology”, aims to provide an international platform for publishing high-quality research articles and reviews that address recent progress and future directions in this field. We welcome contributions exploring innovative tools for gamete and embryo manipulation, cryopreservation, and stem-cell and genome-editing technologies, alongside studies on the impact of epigenetics, extracellular vesicles, and microbiomes on reproductive outcomes. Particular attention will be given to research focused on improving in vitro culture systems through novel biomaterials, 3D environments, and advanced biotechnological strategies, as well as studies highlighting translational applications bridging laboratory research and clinical or field practices.

Guest Editors

Dr. Antonella Mastroiocco
Prof. Dr. Nicola Martino
Prof. Dr. Maria E. Dell'Aquila

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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