

Special Issue

Sperm Preservation and Regulation of Reproductive Behavior in Livestock

Message from the Guest Editors

This Special Issue aims to showcase the latest scientific advances in two closely interconnected areas: sperm preservation and the regulation of reproductive behavior in livestock species. We welcome submissions that address the physiological and molecular responses of sperm cells to various preservation techniques, including, but not limited to, cooling, freezing, vitrification, and other emerging cryobiological methods. We also invite contributions that explore the mechanisms underlying reproductive behavior, with a focus on practical applications for improving semen collection efficiency, enhancing natural mating, or controlling undesired sexual behaviors when required by production contexts.

We value interdisciplinary and transdisciplinary approaches are especially valued, particularly those involving the following:

- Nanotechnology applied to reproductive processes.
- Advanced diagnostic tools (e.g., lab-on-a-chip systems);
- Novel approaches to sperm storage and cryopreservation;
- Digital technologies for monitoring and analyzing reproductive behavior.

We look forward to receiving your valuable contributions.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

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