

Special Issue

New Challenges in Cryopreservation

Message from the Guest Editors

Dear colleague, Cryopreservation is a fundamental procedure to maintain the structure and function of cells and tissues when stored at low temperatures for long periods. Despite being developed in the early 1900s, it maintains an essential role in the conservation of living material in different fields, including health, biodiversity conservation, and biotechnologies. This Special Issue will publish high-quality research papers, as well as review articles, addressing new or alternative approaches in the field of cryopreservation of cells and tissues. Original, high-quality contributions that are not yet published or under review by other journals are sought. Potential topics include, but are not limited to, the following:

- Novel cryopreservation technologies, including protocols, devices, or equipment.
- Recent developments in the use of new cryoprotective molecules.
- Molecular and cellular mechanisms involved in the response to cryopreservation.
- Effects of cryopreservation on the epigenome of cells.
- Novel strategies in cryopreservation applied to reproduction (gametes, embryos, and gonads).

Guest Editors

Dr. Daniela Bebbere

Department of Veterinary Medicine, University of Sassari, via Vienna 2, 07100 Sassari, Italy

Dr. Sara Succu

Department of Veterinary Medicine, University of Sassari, Via Vienna 2, 07100 Sassari, Italy

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Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

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