

## Special Issue

# Postpartum Dairy Cow Mammary Health and Mastitis Prevention and Control

### Message from the Guest Editors

The mammary gland is a critical organ for milk production in dairy cows, and its health status during the postpartum period is decisive for the entire production system. During lactogenesis and lactation maintenance, mammary tissue, under the complex regulation of hormonal, nutritional, and immunomodulatory signals, undergoes significant physiological and dynamic changes. A deeper understanding of the mechanisms maintaining mammary health and the identification of key regulatory points require the integration of the latest advances in both basic research and clinical management. This Special Issue aims to focus on the theme of "Postpartum Dairy Cow Mammary Health and Mastitis Prevention and Control," and will feature original research articles and reviews. Topics of interest include, but are not limited to, the following: immune and inflammatory response mechanisms in mastitis, pathogenic mechanisms of mastitis-causing microorganisms and host–pathogen interactions, novel strategies for the prevention and treatment of mastitis, and environmental control on mammary health, as well as other innovative research related to the regulation of mammary function and disease control.

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### Guest Editors

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### Deadline for manuscript submissions

31 July 2026



## Animals

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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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### Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

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