

Special Issue

New Insights into Dairy Cow Lactation Physiology

Message from the Guest Editors

A major goal of dairy producers is to optimize the lactation performance of cows while minimizing the risk of developing metabolic and health disorders. A thorough understanding of mammary gland and lactation physiology and the epigenetic, genetic, and environmental signals that regulate the local and systemic physiological processes that enable milk synthesis and secretion is central to this goal.

This Special Issue seeks to publish original research articles or reviews related to advances in mammary gland and lactation physiology to highlight new knowledge and to stimulate and direct future research efforts. Topic areas of interest may include, but are not limited to, mammary growth, development, and involution; physiological adaptations to lactation; milk synthesis and milk composition; environmental modulation of lactation; and endocrinology of lactation. Manuscripts may focus on any level of biological organization (e.g. molecular, cellular, whole-animal).

Guest Editors

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Deadline for manuscript submissions

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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.

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