

Special Issue

Changes of Hormones and Physiological Adaptation During Pregnancy in Animals

Message from the Guest Editors

Mammals face a series of changes to re-establish homeostasis during the peripartum period, which is characterized by hormonal, metabolic, and physiological adaptations. The success of these adaptations guarantees the progress of pregnancy, parturition, and the onset of lactation. The adequate adaptive response of the animal to the increased metabolic demands and energetic needs of the ovary, placenta, and mammary glands is crucial during pregnancy and lactation in order to maintain a good body condition score by decreasing energy expenditure and increasing lipolysis and fat utilization. This Special Issue welcomes high-quality articles that advance the current scholarship on hormonal adaptations, as well as on the interactions between the endocrine system, immune system, and metabolic adaptation that occur in mammals during the peripartum period. Topics of interest include the effects of management, nutritional strategies, social stressors, and novel tools for healthy assessment. We look forward to receiving your contributions related to innovative approaches to pregnancy and lactation in animal species.

Guest Editors

Dr. Francesca Arfuso
Dr. Maria Rizzo
Prof. Giuseppe Piccione

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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