

Special Issue

The Role of Inflammation in Farm Animals and Its Prevention by Dietary Approaches

Message from the Guest Editors

High-performing farm animals, including high-yielding dairy cows and lactating sows, frequently suffer from inflammatory conditions caused by various challenges such as infectious diseases or stressors (metabolic stress, heat stress, social stress). Previous studies have shown that the induction of a pro-inflammatory condition not only affects animal health but also impairs animal performance such as milk yield or growth. The prevention of the development of pro-inflammatory conditions has been shown to improve several aspects of animal health and performance. The aim of this Special Issue is to publish original research papers and reviews dealing with the development of pro-inflammatory conditions in farm animals, the role of inflammation in health and performance, and its prevention by dietary approaches.

Guest Editors

Prof. Dr. Klaus Eder

Institute of Animal Nutrition and Nutrition Physiology, Giessen University, Heinrich-Buff-Ring 26-32, 35392 Giessen, Germany

Prof. Dr. Robert Ringseis

Institute of Animal Nutrition and Nutrition Physiology, Giessen University, Heinrich-Buff-Ring 26-32, 35392 Giessen, Germany

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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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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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