



an Open Access Journal by MDPI

Supplements and Feed Additives in Dairy Cattle Nutrition

Guest Editors:

Dr. Katerina Theodoridou

Institute of Global Food Security, Queen's University Belfast, 19 Chlorine Gardens, Northern Ireland, Belfast BT9 5DL, UK

Dr. Jordi Ortuno Casanova

School of Biological Sciences, Institute for Global Food Security, Queen's University Belfast, Belfast, UK

Deadline for manuscript submissions: closed (30 June 2020)



Message from the Guest Editors

Dear Colleagues,

Agricultural policies are designed to encourage agricultural practices that secure high yields of healthy animal products produced with less environmental impact, without negatively affecting animals, but they also must ensure environmental goals, such as minimizing the emission of greenhouse gases. Moreover, the growing problem of antibiotic resistance, a matter of global concern, has triggered a search from producers for alternative feed additives that can be used to improve animal production. Therefore, there is a growing range of feed additives, aimed for use in dairy cattle diets, that offer potential to improve feed efficiency and rumen metabolism, enhance gut health and/or reduce methane emissions. In particular, we invite original research papers and reviews that address any aspect of their use and their effect on rumen fermentation, feed efficiency, and animal health. In particular, original research papers and reviews on natural feed additives that can serve as an alternative to antibiotics and/or reduce methane emissions from dairy cattle are welcome.

Dr. Katerina Theodoridou Dr. Jordi Ortuno Casanova *Guest Editors*







an Open Access Journal by MDPI

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 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 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

Message from the Editor-in-Chief

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases. **Journal Rank:** JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)

Contact Us

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