



Feed Intervention in Livestock Nutrition: Effects on Gut Microbial Ecology

Guest Editors:

Dr. Gabriel De La Fuente

Department of Animal Science,
University of Lleida, 25198 Lleida,
Spain

Dr. Joaquim Balcells

Department of Animal Science,
University of Lleida, 25198 Lleida,
Spain

Dr. Ahmad Reza Seradj

Department of Animal Science,
University of Lleida, 25198 Lleida,
Spain

Deadline for manuscript
submissions:

closed (30 November 2021)

Message from the Guest Editors

Dear Colleagues,

Over the last decades, livestock nutrition has developed into a valuable tool to control disease and environmental impact. After the ban on antimicrobials as growth promoters in the EU, and the development of new technologies to boost our understanding of the effects of microbiota on the animal host, relevant research linked feed intervention (by feed additives, early intervention, and substitutive sources of feeds) to microbiota and their effects on animal health and performance. With this Special Issue, we intend to collect significant research related to both foregut and hindgut digestive systems.

Innovative papers from different research areas, such as immunology, precision feeding, microbiology, and environmental and animal science, are invited to this Special Issue, especially those regarding (but not limited to):

1. Precision livestock farming
2. Early interventions on gut microbiota
3. Feed additives as substitutes of antimicrobials
4. Use of alternative sources of feeds

Dr. Gabriel De La Fuente

Dr. Joaquim Balcells

Dr. Ahmad Reza Seradj

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

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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)