



animals



an Open Access Journal by MDPI

Advances in Dairy Cow Nutrition and Metabolism

Guest Editor:

Prof. Dr. Sven Dänicke

Institute of Animal Nutrition,
Friedrich-Loeffler-Institut,
Bundesallee 37, 38116
Braunschweig, Germany

Deadline for manuscript
submissions:

closed (31 October 2019)

Message from the Guest Editor

Dear Colleagues,

Adequate nutrition of dairy cows involves knowledge of energy and nutrient requirements for each particular period in the production cycle. Although these requirements will vary for transition and late lactating cows it is increasingly acknowledged that different periods within this production cycle should be considered closely linked to each other, and taking into account consequences for metabolism and nutritional status of the cow. Investigating these relationships not only requires the use of modern methods such as -omics-techniques but also of well-established methods. In each case, the animal experiment is the basis for all following methodological procedures to scrutinize associations between feed, ruminal and intestinal digestion and absorption, metabolism, immune status and general health, and last but not least the milking performance.

For this purpose, I invite you to share your recent findings with the community as a contribution to a more holistic understanding of the cow. Original and review papers are welcome.

Prof. Dr. Sven Dänicke
Guest Editor



mdpi.com/si/17802

Special Issue



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)