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The Digestive Tract of Ruminants: Feed–Microbiome–Host Interactions

Guest Editor:

Dr. Renée M. Petri

Agriculture and Agri-Food
Canada, Sherbrooke, QC, Canada

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submissions:

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Message from the Guest Editor

Dear Colleagues,

Gut health is defined as the balance of homeostasis between host and microbiome, as well as the resistance to external and endogenous disturbances. Ruminants are defined by their mode of plant digestion and evolved forestomach, and therefore, most external disturbances are a result of diet composition or dietary change. The interactions of the feed–microbiome–host are also compartmentalized, and can vary in each unique region of the ruminant digestive tract based on environmental parameters. Even with the rapid advancement of omics methodologies and bioinformatics, there are critical gaps in knowledge for understanding the interactions within the digestive tract of ruminants.

We are seeking original research papers that evaluate the feed–microbiome–host interactions under a variety of conditions and locations, and look to identify cross-talk within the digestive tract. Moreover, topics may be related to feed composition changes, microbial dysbiosis, feed additives, and production-related diseases in ruminants.

Dr. Renée M. Petri

Guest Editor



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Special Issue



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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

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Animals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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