

Special Issue

Ruminal Microbiota, Fermentation Process, Enteric Methane Emissions, and Animal Performance

Message from the Guest Editors

The Special Issue aims to provide knowledge about the influence of ruminal microbiota on the fermentation process, enteric methane emissions, and animal performance from ruminants. This will help us to understand how the use of feed additives and/or plant secondary metabolites in ruminant diets may be an interesting feeding strategy to modify the rumen function of animals by altering nutrient digestion pathways, changing the ruminal fermentation process, inhibiting methanogenesis, modulating microbial populations, adjusting the biohydrogenation of fatty acids, and reducing the risk of metabolic diseases, thus improving ruminant productivity and health.

Dr. Magdalena Arévalo-Turrubiarte

Guest Editors

Dr. Ana Isabel Roca-Fernández

Department of Anatomy, Animal Production and Veterinary Clinical Sciences, Faculty of Veterinary Medicine, University of Santiago de Compostela, 27002 Lugo, Spain

Dr. Magdalena Arévalo Turrubiarte

School of Veterinary Medicine, Faculty of Health and Medical Sciences, University of Surrey, Daphne Jackson Road, Guildford GU2 7AL, Surrey, UK

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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. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
 2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia
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