

## Special Issue

# Algae (Macro/Microalgae): Its Impact on Ruminant Nutrition and Environmental Sustainability

### Message from the Guest Editors

Food security is a global challenge, and as demand for food increases, an urgent need to increase the protein supply from sustainable sources is created. The main concerns are that climate-induced shifts will increase the cost of animal protein/feed due to an increased demand for land and water and the greenhouse gas emissions. It is crucial to find strategies to improve feed efficiency and decrease emissions. One approach is the use of algae in ruminant nutrition, which could contribute to the freeing up of land to grow crops for direct consumption by the human populace and lead to a concomitant increase in food security. Microalgae are a great source of PUFA, while brown seaweed containing phlorotannins has the potential to optimise protein use efficiency, reduce environmental impact, and improve animal health and food quality. The aim of this Special Issue is to publish current and relevant information related to the use of algae in ruminant nutrition. In particular, original research papers and reviews that address any aspect of their use and their effect on feed efficiency, animal health, methane emissions and the quality of animal products are welcome.

### 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)



## Animals

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*Animals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto: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.

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### 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

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