

Special Issue

Opportunities and Challenges for the Use of Tannin Sources in Ruminant Nutrition

Message from the Guest Editor

Tannins are a complex group of phenolic compounds widespread throughout the plant kingdom, occurring at different levels and structural types in several ruminant feeding sources. Recent years have seen an increasing interest in the use of plants and plant extracts rich in tannins in ruminant diets for improving animal health and wellbeing, product quality and feed efficiency, as well as to mitigate the environmental impact of ruminant production systems. Although promising, the results on the use of tannins in ruminant nutrition are controversial, resulting in detrimental, innocuous, or beneficial effects. Several factors, such as the type and chemical structure of tannins, the amount ingested, composition of the basal diet, and the species of animal can contribute to the inconsistent response to tannins. This Special Issue is interested in both reviews and original research papers on the use of tannin feed sources in ruminant nutrition with a focus on the fate of tannins in animals, action mechanisms, the impact on ruminal metabolism and feed efficiency, and the effects on animal performance, health and wellbeing and product quality.

Guest Editor

Dr. Eliana Alexandra Sousa Jerónimo

1. Centro de Biotecnologia Agrícola e Agro-Alimentar do Alentejo (CEBAL), Instituto Politécnico de Beja, 7801-908 Beja, Portugal
2. MED & CHANGE, Centro de Biotecnologia Agrícola e Agro-Alimentar do Alentejo (CEBAL), 7801-908 Beja, Portugal

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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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