Special Issue

Rumen Function

Message from the Guest Editor

Ruminants are unique in that they possess a fermentation chamber that allows the nutritional use of lignocellulosic resources and its transformation into animal products. This involves a plethora of processes including feed particle comminution, microbial fermentation and passage out of the rumen of feed residues, microbes and products of fermentation. Rumen function is a highly complex biological process which is the result of multiple interactions between numerous factors. Although a lot of work on these topics has been published during the last half century, recent methodological approaches have allowed deeper investigation in, for example, rumen microbial dynamics or absorption through the rumen wall. Also particle kinetics might deserve a revisit to enhance our knowledge of rumen function.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2021)

Animals

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/46160

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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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