

Special Issue

Nutritional Physiology in Ruminants: Immune Status and Antioxidant Capacity

Message from the Guest Editors

Hormone assays in different animal matrices are excellent tools used as indicators of animal health status, food availability, and nutritional status. Limited food availability can cause stress and reduce animals' antioxidant defences, leading to altered immune status and affecting animal health and welfare. On the contrary, a diet rich in antioxidants could improve animal welfare by reducing oxidative damage. This Special Issue aims to create a collection of manuscripts that include, but are not limited, to the following topics in different matrices of ruminants:

- Studies to monitor ruminant's health and welfare correlated to redox balance parameters or immunological status
- Validation of analytical methods for antioxidant and prooxidant parameters or hormone assays
- Studies about redox balance parameters or immunological status monitoring after nutritional supplements in ruminant feed

We are interested in the following types of manuscripts: original research articles, review articles, case studies, and in vivo and in vitro studies.

Guest Editors

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About the Journal

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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