

Special Issue

Immune Mechanisms of Resistance to Infectious Diseases in Ruminants

Message from the Guest Editor

Domestic ruminants (goat, sheep and cattle) provide outstanding services to human communities as a source of high-quality nutritional products and workload.

The purpose of this Special Issue is to provide new and important information on the knowledge about immune mechanisms that make the ruminant species more resistant or more tolerant to these various kinds of diseases.

Furthermore, development of high-throughput methods of immune profiling of their innate and adaptive responses against different types of pathogens and the significant progress made in the identification of their immune cells and the description of the major histocompatibility complexes are completing the knowledge about immunity to infectious diseases.

We expect submissions of innovating studies promoting an understanding of this important field for the improvement of ruminant health and welfare and the success of livestock breeding.

Guest Editor

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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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