

Special Issue

Intestinal Barrier Function in Animals: Tight Junctions, Microbiota and Nutritional Regulation

Message from the Guest Editor

The intestinal barrier plays a fundamental role in maintaining animal health, productivity, and welfare. It serves as a critical interface between the external environment and the internal milieu, regulating nutrient absorption while preventing the translocation of pathogens and toxins. This Special Issue aims to gather original research articles and reviews addressing the regulation, protection, and modulation of intestinal barrier function in animals. Particular emphasis will be placed on the interplay between nutrition, microbiota, and host physiology, as well as on practical aspects related to nutrient utilization and functional indicators of gut health.

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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