

Special Issue

Recent Advances in Intestinal Mucin Research

Message from the Guest Editors

Mucins are the main component of mucus and are responsible for its protective functions. These glycoproteins are encoded by many genes, which expression can be affected by nutrients and microbial metabolites. Mucus formed by mucins covers the absorptive area and constitutes a physical barrier for pathogens and other detrimental factors. Thus, it is an important component of the innate immunity and provides an environment for the intestinal microbiota. Although many studies have been performed on animals, there are still many aspects that requires further research or remains unknowns. The aim of this Special Issue is to improve our knowledge in the field of intestinal mucin and mucus layer in livestock and laboratory animals. Therefore, we invite high-quality and original research providing new insights on this topic, including effects of nutritional factors on goblet cells, mucin concentration, mucin gene expression, mucolytic activity of microbiota, relationship between microbial metabolites and mucus layer thickness and others. Submissions focusing on in vitro studies using intestinal cell lines, as well as new methods used for mucin-related studies are also welcomed.

Guest Editors

Dr. Marcin Barszcz

Dr. Anna Tušnio

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Deadline for manuscript submissions

closed (20 July 2022)



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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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