Special Issue

Regulation of Oxidative Stress on Gut Microbial Homeostasis and Metabolism

Message from the Guest Editor

Intestinal health has gradually become the focus of attention. Irregular lifestyle has accelerated the development of intestinal dysfunction, such as inflammatory bowel disease (IBD). It is important to note that there is no complete cure for IBD. Therefore, it is particularly important to explore the mechanism and to prevent intestinal dysfunction. It has been confirmed that oxidative stress conditions will have adverse effects on intestinal function, which involves changes in intestinal microbiota, such as a decrease in the abundance of beneficial bacteria and an increase in the abundance of harmful bacteria. Therefore, further research on the pathogenesis of intestinal diseases is of great significance for maintaining intestinal homeostasis. This Special Issue is devoted to the regulation of intestinal homeostasis and metabolism under oxidative stress, including but not limited to oxidative stress, gut microbiota unbalance and metabolism, intestinal barrier, inflammatory bowel disease, improvement of intestinal function, and maintained intestinal homeostasis.

Guest Editor

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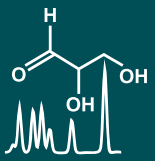
Deadline for manuscript submissions

closed (31 March 2023)



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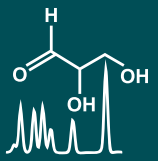

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The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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