

Special Issue

Bile Acids and Probiotics in Regulation of Intestinal Function in Health and Inflammatory Bowel Disease

Message from the Guest Editors

Bile Acids (BAs) are endogenous acidic steroids synthesized in the liver from cholesterol with a pivotal role in lipid transport through enterohepatic circulation and as agonists of the Farnesoid X receptor and TGR5. The pathogenic role of BAs in chronic IBD has long been debated. Several studies have evaluated BA metabolism in relation to hepatobiliary and intestinal diseases; these studies, BA malabsorption plays a major role in diarrhea, because luminal BAs result in the colonic secretion of water and electrolytes and the induction of propagated contractions. BAs have been proposed as diagnostic or prognostic tools in IBD, but large studies to prove their utility are needed.

In this Special Issue of *Nutrients*, we aim to achieve a better understanding of the role of BAs in inflammation, their interaction with the microbiome and how their alterations are involved in IBD, how we could incorporate them into clinical practice as diagnostic or prognostic tools, and how probiotics and diet could orchestrate the interaction between bile acids and the microbiome and restore inflammation.

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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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