

Special Issue

Nutrition, Epithelial Barrier Permeability and Chronic Disease: Basic Science and Clinical Implications

Message from the Guest Editor

Intestinal epithelial barrier permeability or leakiness is a component of many chronic diseases, such as obesity, diabetes, types of cancer and neurological conditions (via gut-brain axis). Furthermore, epithelial barrier functions are susceptible to dietary interventions including barrier integrity, epithelial cell turnover, mucus production, anti-microbial and mucosal immune defense, microbiome function and microbial-host communication. The aim of this Special Issue on “*Nutrition, Epithelial Barrier Permeability and Chronic Disease: Basic Science and Clinical Implications*” is to provide a comprehensive summary of current original research and review articles highlighting the critical role of nutrition in the regulation of epithelial barrier integrity and the implications for chronic disease susceptibility and/or severity. Authors are invited to submit manuscripts related to epithelial barrier function (or dysfunction) across a spectrum of research interests from basic science/mechanistic studies to clinical interventions, which will collectively highlight the importance of dietary regulation of epithelial barrier function.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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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