

Special Issue

Gut Microbiota and Omega-3 Fatty Acids - Potential Targets for Ameliorating Gut Dysbiosis

Message from the Guest Editor

Omega-3 polyunsaturated fatty acids (omega-3 PUFAs), which are essential fatty acids that humans should obtain from their diet, have potential benefits for human health. Dietary omega-3 PUFAs participate in regulating gut immunity and maintaining gut homeostasis, which are associated with the gut microbiota, fatty acid metabolism, and intestinal health. The disturbance of the gut microbiota composition, i.e., gut dysbiosis, is correlated with the etiology of chronic noncommunicable diseases, such as cardiovascular, metabolic, localized gastrointestinal diseases, or others. In this Special Issue, we focus on the interplay between omega-3 PUFAs, gut microbiota and the host to provide a perspective on the role of microbiota.

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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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