

## Special Issue

# The Effects of Fatty Acids on Inflammation

### Message from the Guest Editor

Dietary fatty acids modulate inflammatory responses, with the direction of the effect being dependent on the type of fatty acid being examined. For example, saturated fatty acids promote inflammation, via the NLRP3 (nucleotide oligomerization domain-like receptor protein 3) inflammasome. Conversely, omega-3 polyunsaturated fatty acids exert anti-inflammatory effects through a variety of mechanisms, including decreased production of eicosanoids and reduced expression of NF- $\kappa$ B. However, the efficacy of fish oil supplementation in reducing inflammation in specific chronic diseases, such as asthma and inflammatory bowel disease, is unclear. Omega-6-derived lipid mediators appear to enhance inflammation, but this is dependent on the ratio of omega-6/omega-3. Further research is needed to clarify the roles of fatty acids in modulating inflammation, including the impact this has on chronic disease risk and outcomes.

In this Special Issue, we welcome submissions examining the impact of fatty acids on inflammation. Contributions examining the impact of fatty acids on chronic disease are also encouraged.

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### Deadline for manuscript submissions

closed (1 December 2023)



## Nutrients

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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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