

Special Issue

Effects of Fatty Acids on Cancer, Obesity, and Atherosclerosis

Message from the Guest Editor

Structural differences in Fatty acid (FA) length lead to differences in absorption, transport, and tissue destination. FAs are potent stimuli of intestinal hormones and other factors that regulate lipid and glucose metabolism, energy homeostasis, insulin response, and chronic inflammation. Intake of specific FAs (i.e., monounsaturated FA; omega-3 polyunsaturated FA) elevates energy expenditure to counteract energy surplus and obesity in animals and humans. The partial replacement of specific FAs has been reported to attenuate pro-inflammatory effects to improve metabolic disorders and cancer. Another important research area is the development of models to identify their mechanisms of actions on cancer, obesity, and atherosclerosis. Both in vivo and in vitro models are necessary for better understanding the roles of specific fatty acids and intestinal hormones in elevation of energy expenditure and insulin action, and downregulation of hypertriglyceridemia and chronic inflammation. This Special Issue welcomes submissions of the following article types: original research, reviews, and systemics review in clinical research or basic investigation.

Guest Editor

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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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