

Special Issue

Impact of Lipids and Adipose Tissue on Health and Diseases

Message from the Guest Editors

Lipids play a crucial role in the physiological functioning of the body, serving as critical elements in the regulation of energy homeostasis, endocrine balance, and cellular communication pathways. Hence, it is of great significance to understand the role of lipid metabolism in health and disease. Intestines, adipose tissue, liver, muscle, and other tissues are the key organs in lipid metabolism, playing important roles in the digestion, absorption, transport, excretion, and deposition of lipids. However, many mechanisms related to lipid metabolism are still not fully elucidated. Clarifying the mechanisms of lipid metabolism can be beneficial for providing diagnostic and therapeutic insights for major metabolic diseases in humans. The research topics include, but are not limited to, the following:

- Lipid metabolism in the intestine;
- Mechanisms of adipogenesis and lipolysis;
- Crosstalk between adipose tissue and other organ tissues;
- Dietary nutrients targeting lipid metabolism for the regulation of health and homeostasis;
- Lipid metabolism and nutritional regulation in health and diseases.

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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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