

Special Issue

The Frontline on Lipid Metabolism and Ectopic Fat Accumulation

Message from the Guest Editor

It is accepted that lipid accumulation in diseases such as obesity and fatty liver disease is accompanied by chronic inflammation, which contributes to the development of type 2 diabetes and cancer. In recent years, it has been reported that ectopic fat accumulation is also observed in the central nervous system (neuroglia), kidney, and skeletal muscle. This multi-organ effect has led to the idea that lipid accumulation promotes several pathologies. However, more detailed knowledge is needed to elucidate the pathology of such ectopic fat accumulation and related diseases in order to propose prevention and improvement therapies.

In this Special Issue, we seek to collect manuscripts focusing on adipose tissue-related disease pathology. In particular, we look for manuscripts focused on mechanisms of adipose tissue dysfunction as well as treatment interventions using functional foods, nutrition, and/or dietary approaches. It is expected that manuscripts presented herein, including cultured cells, animal experiments, and human clinical trials, will catalyze future pioneering research and enhance current understandings of chronic disease related to adipose tissue.

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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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