



## Emerging Role of Lipids in Metabolism and Disease

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### Message from the Guest Editors

Although initially regarded as a passive method of energy storage, lipids are now considered molecules with pivotal structural and functional roles. Notably, they serve as integral components of cellular membranes and act as crucial messengers in the regulation of cell homeostasis. In recent years, the role of lipids in homeostasis maintenance, derived from both nutrition and endogenous biosynthesis, attracted the interest of several researchers because of its involvement in human health. Lipid disorders are at the root of several diseases characterized by altered lipid metabolism in different tissues. Metabolic syndrome and cardiovascular disease, for instance, are closely related to these metabolic dysfunctions. Moreover, connections with misbalances of cholesterol homeostasis in neurodegenerative and neurodevelopmental disorders have also been demonstrated. Thus, the aim of this Special Issue is to gather research papers focused on this topic and, therefore, bring to the forefront new insights into physiopathological aspects of lipid disorders.





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