

Special Issue

Lipid Metabolism and Metabolic Syndrome

Message from the Guest Editors

The increase in global obesity worldwide over the last few decades has become an alarming health problem. Consequently, morbidities associated with obesity, such as type 2 diabetes and cardiovascular diseases, have also increased, the last being the leading cause of death in the world. The association between central obesity, insulin resistance, dyslipidemia, and hypertension is termed metabolic syndrome (MetS). In this environment, an unbalanced diet, with an excess of saturated fats and sugars, plays an important role in the development of MetS, modifying lipid metabolism and promoting the accumulation of visceral fat and the development of fatty liver. The alteration of lipid metabolism eventually leads to insulin resistance and chronic inflammation that characterizes MetS. This Special Issue aims to focus on recent advances in research and knowledge related to the role of lipid metabolism in any aspect of metabolic syndrome. We welcome original research articles, animal and clinical studies, as well as review articles.

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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