Special Issue

Metabolic Dysfunction-Associated Steatotic Liver Disease: From Pathophysiology to Prevention Strategies

Message from the Guest Editors

Metabolic dysfunction-associated steatotic liver disease (MASLD) represents a major and growing public health concern, ranking among the most common liver diseases globally. MASLD is currently regarded as a major metabolic disorder that negatively impacts the health of the global population. Research efforts are actively working to elucidate the biological mechanisms, metabolic biomarkers and metabolic pathways that underlie its pathophysiology. Recent epidemiological studies indicate that various cardiometabolic risk factors and complex socioeconomic determinants interplay in the pathogenesis of MASLD. However, we do not yet fully understand how the diverse range of risk factors—from genetic predispositions and lifestyle choices to socioeconomic positions and environmental exposures—collectively influence the onset and prognosis of MASLD. The goal of this Special Issue is to showcase a collection of high-quality studies on the broad topic of MASLD, spanning its biological pathways, diagnosis and prevention. We welcome submissions of novel research conducted across diverse populations and geographic regions that address these critical knowledge gaps.

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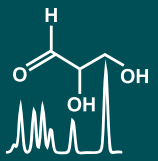

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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