

Special Issue

Exploring the Complex Interplay Between Metabolic Diseases, MASLD, and Liver Cancer

Message from the Guest Editors

This Special Issue aims to collect research devoted to unraveling the molecular mechanisms underlying the intricate relationship between metabolic dysfunction-associated fatty liver disease (MASLD), metabolic disorders, and liver cancer, mainly hepatocellular carcinoma (HCC). MASLD has emerged as a critical precursor of more severe liver conditions, including metabolic dysfunction-associated steatohepatitis (MASH) and HCC. The interplay between MASLD and metabolic disorders, such as obesity, insulin resistance, and dyslipidemia, significantly exacerbates the risk of HCC development. This Special Issue aims to expand the comprehension of the roles of metabolic dysfunction, chronic inflammation, oxidative stress, and genetic predispositions in the onset of MASLD and in triggering hepatic carcinogenesis. Additionally, the impact of dietary habits and environmental exposures on disease progression will be thoroughly examined.

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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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