

## Special Issue

# Molecular Research Advances in Metabolic Syndrome

### Message from the Guest Editor

Metabolic syndrome (MetS) is a multifactorial condition characterized by a constellation of risk factors—including central obesity, dyslipidemia, insulin resistance, and hypertension—which predispose individuals to cardiovascular diseases, type 2 diabetes, and increased susceptibility to infections. Emerging molecular research has revealed intricate links between MetS and sepsis, highlighting how chronic metabolic inflammation compromises immune responses. This Special Issue aims to gather high-quality studies that delve into the molecular mechanisms underlying MetS, with a focus on inflammation, mitochondrial dysfunction, immune–metabolic crosstalk, and therapeutic interventions. Both experimental (animal and cellular models) and clinical research studies are welcome. We encourage contributions that challenge conventional views and provide novel insights into the paradoxes and pathophysiology of MetS in diverse disease contexts.

### Guest Editor

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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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### Editor-in-Chief

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