

Special Issue

Diabetes and Metabolic Dysfunction

Message from the Guest Editor

Type 2 diabetes mellitus is a complex metabolic disorder that affects nearly every organ in the human body. In addition to impaired glucose metabolism, the hallmark of the disease, numerous other metabolic abnormalities have been identified in patients with diabetes. Some of these abnormalities appear before a clinical diagnosis, while others emerge as the disease progresses, signaling its severity. Certain biomolecular markers indicate advanced disease and impending vascular complications. Identifying and understanding the molecular pathways and mechanisms underlying these metabolic disturbances can enhance our knowledge of type 2 diabetes pathophysiology and pathogenesis, facilitate earlier diagnoses, and predict complications. Moreover, targeting these abnormalities may offer new therapeutic avenues, potentially improving both the lifespan and quality of life of individuals with diabetes.

This Special Issue focuses on the molecular advances in diabetes and its complications. Original research and reviews on characteristic metabolic disorders, molecular therapies of diabetes, and its complications are welcome.

Guest Editor

Dr. Vasilis Tsimihodimos

Department of Internal Medicine, Faculty of Medicine, University of Ioannina, 45110 Ioannina, Greece

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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