Special Issue

Effects of Polyphenols on Cardiac Mitochondrial Function: Possible Implications in the Diabetic Heart

Message from the Guest Editors

Cardiomyopathies are primary diseases of the myocardium, commonly genetically transmitted. The most common forms are hypertrophic (HCM), dilated (DCM), and arrhythmogenic cardiomyopathy (ACM).

Cardiomyopathies are leading causes of sudden cardiac death (SCD), particularly in the young. However, early diagnosis of affected individuals remains challenging and a resolutive therapy is still lacking, as current treatments can only control the symptoms but not prevent or rescue the phenotype. Genetics, genomics and basic science studies in cellular and animal models allow delineating the genetic bases and the molecular mechanisms implicated in the pathogenesis of cardiomyopathies in order to develop novel diagnostic tools and more specific therapies.

The purpose of this Issue is to review the scientific bases of non-ischemic cardiomyopathies. We will focus on the progresses in current understanding of onset and natural history of these conditions. Furthermore, we will discuss the recent advancements in genetics, genomics, and molecular biology studies and novel prospects on biomarkers and target gene-therapy development.

Guest Editors

Prof. Donatella Stilli

Dept of Chemistry, Life Sciences and Environmental Sustainability, University of Parma, Parma, Italy

Prof. Federica Rizzi

Dept of Medicine and Surgery, University of Parma, Parma, Italy

Deadline for manuscript submissions

closed (31 August 2020)

International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed

mdpi.com/si/31594

International Journal of Molecular Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/ijms

International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed

mdpi.com/journal/ijms

MDPI

About the Journal

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)