



Disorders of Coenzyme Q10 Metabolism: Causes and Consequences

Guest Editor:

Dr. Iain P. Hargreaves

Department of Pharmacy and
Biomolecular Science, Liverpool
John Moores University, Byrom
Street, Liverpool L3 5UA, UK

Deadline for manuscript
submissions:

closed (30 September 2020)

Message from the Guest Editor

In view of the important roles of coenzyme Q₁₀ (CoQ₁₀) as an electron carrier in the mitochondrial respiratory chain (MRC) and as a lipid soluble antioxidant, a deficit in CoQ₁₀ status would be expected to comprise cellular energy generation, in addition to lowering its antioxidant status. Therefore, not surprisingly, a deficiency in CoQ₁₀ status has been linked to a number of diseases and conditions. Furthermore, the involvement of CoQ₁₀ in gene expression and inflammation may also have important implications for disease pathophysiology.

The purpose of this Special Issue will be to present a selection of studies and reviews that outline the causes and consequences of primary and secondary CoQ₁₀ deficiencies, the involvement of CoQ₁₀ in disease, the therapeutic use of CoQ₁₀ supplementation, and the appropriateness of determining CoQ₁₀ status for monitoring disease progression and therapeutic intervention.





an Open Access Journal by MDPI

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

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.

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 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI