

Special Issue

Disorders of Coenzyme Q10 Metabolism: Causes and Consequences

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.

Guest Editor

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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.

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