



## Disorders of Coenzyme Q10 Metabolism: Causes and Consequences

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### Message from the Guest Editor

In view of the important roles of coenzyme Q<sub>10</sub> (CoQ<sub>10</sub>) as an electron carrier in the mitochondrial respiratory chain (MRC) and as a lipid soluble antioxidant, a deficit in CoQ<sub>10</sub> status would be expected to comprise cellular energy generation, in addition to lowering its antioxidant status. Therefore, not surprisingly, a deficiency in CoQ<sub>10</sub> status has been linked to a number of diseases and conditions. Furthermore, the involvement of CoQ<sub>10</sub> 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 CoQ<sub>10</sub> deficiencies, the involvement of CoQ<sub>10</sub> in disease, the therapeutic use of CoQ<sub>10</sub> supplementation, and the appropriateness of determining CoQ<sub>10</sub> status for monitoring disease progression and therapeutic intervention.





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## Message from the Editor-in-Chief

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