

Special Issue

Mitochondrial Dysfunction and Oxidative Damage

Message from the Guest Editor

Mitochondrial dysfunction and oxidative stress have been implicated in the pathogenesis of a number of diseases and conditions. The mitochondrial electron transport chain (ETC) is particularly vulnerable to reactive oxygen (ROS) and nitrogen (RNS) species induced impairment either as the result free radical induced damage to the enzyme complexes, mitochondrial DNA or mitochondrial membrane phospholipids. Once impaired the ETC then becomes a major source of ROS generation, which results in further damage to the ETC, as well compounding the cellular oxidative stress. This Special Issue requests original research, mini and full reviews, and perspectives that address the progress and current standing in the field of mitochondrial dysfunction and oxidative stress.

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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