

Special Issue

Mitochondria-Targeted Approaches in Health and Disease 2.0

Message from the Guest Editor

Mitochondria are one of the most intriguing intracellular elements. Apart from their great contribution to cellular bioenergetics, they perform various unique functions (both synthetic and regulatory). Now, it has become clear that mitochondrial fitness is a prerequisite of a healthy cell. However, because of intrinsic and extrinsic challenges, this machinery misses mitochondrial defects, yielding the co-existence of normal and abnormal mitochondria within a single cell, which is a main index of diseases and aging. To avoid the unnecessary appearance of an unhealthy mitochondrial population in the cell when intrinsic mechanisms of reparation have partially or completely failed, various approaches have been successfully developed. The goal of the proposed Special Issue, Mitochondria-Targeted Approaches in Health and Disease, is to collect all of the possible methods of intervention into mitochondrial functioning, so as to prevent or repair unwanted changes in mitochondrial structure and function.

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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