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Mitochondria and Reactive Oxygen Species

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Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editor

Mitochondria are the powerplants of cells and have an important role in cell energyhomeostasis. The organelle also generates reactive oxygen species as a byproduct of anerobic metabolism, which affects cell physiology, metabolism, immunity, etc. The study of mitochondria in animals has evolved in order to understand the influences on phenotypes, such as growth performance, stress resistance, and pathology. In this Special Issue, studies of mitochondrial functions, morphology/histochemistry and bioenergetics, but not genetics, in animals' tissues and cultured cells are welcomed.



mdpi.com/si/160299



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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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