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Role of Antioxidant Molecules and Melatonin in Cellular Protection

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Deadline for manuscript submissions:
closed (30 April 2021)

Message from the Guest Editor

Compelling evidence indicates that a healthy diet containing bioactive compounds with antioxidant properties contributes to the improvement of the quality of life by reducing the risk of cellular injury and thus delaying/preventing the onset of several diseases. Melatonin, a multifunctional indoleamine with not only antioxidant properties, has been identified in a very large number of plant species. Interestingly, the consumption of plant foods rich in antioxidant molecules and melatonin may counteract several pathological conditions. Furthermore, a better understanding of the oxidative stress-dependent signaling pathways in various pathophysiological conditions is a prerequisite for effective interventions promoting cellular protection.

In this Special Issue, the researcher(s) are invited to shed light on the antioxidant molecules and melatonin mechanisms of actions involved in fighting cellular injury. The Special Issue welcomes papers that introduce new discoveries or approaches and expand current knowledge on the impact of antioxidants and melatonin in cellular protection and thus advance human health.

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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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