Special Issue

Oxidative Stress in Genitourinary Cancers

Message from the Guest Editor

Reactive oxygen species have an essential role in signaling for effective biological functions in normal cells. Further, cells are equipped with in-built robust antioxidant mechanisms to maintain redox homeostasis. However, in the pathological state, including cancer, there is a breakdown in this balance either due to an explosion of reactive oxygen production or a collapse of the antioxidant defense mechanism, leading to oxidative stress and damage to various cellular macromolecules. In the cancer context, the role of reactive oxygen production, its deactivation, and subsequent biological effects are contextual with effects that range from protective to harmful. In this Special Issue, our goal is to include original research papers and review articles regarding the roles of reactive oxygen species, antioxidant response, and oxidative stress in cancers of the prostate, urinary bladder, kidney, and testis.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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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