



Cigarette Smoke-Induced Oxidative Stress and Its Related Molecular/Cellular Events

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Message from the Guest Editor

Smoking is a well-established risk factor for respiratory disorders, cardiovascular diseases, and cancers. In the past few decades, many studies have revealed smoking-induced toxicological events, of which oxidative stress is one of the most widely recognized factors contributing to this pathogenesis. Cigarette smoke contains free radicals and prooxidants, it could damage antioxidant systems and induces the dysregulation of redox signaling, ultimately leading to cytotoxicity. Currently, numerous issues still need further clarification, including the molecular mechanisms underlying reactive oxygen species generation or oxidative stress, the mechanistic links between oxidative stress and toxicological consequences, and the constituents in cigarette smoke responsible for oxidative stress. This Special Issue is open to a wide range of subjects exploring cigarette-smoke-induced oxidative stress and its related molecular/cellular events, with emphasis on mechanistic insights.





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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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