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Antioxidants to Overcome Resistance in Cancer Therapy

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Deadline for manuscript
submissions:

closed (20 July 2024)

Message from the Guest Editor

Cancers are among the leading causes of death worldwide. The tumor therapeutic strategy has reduced mortality and recurrence; however, the reasons for acquired resistance are still unclear. Reasons for resistance include autophagy, ER stress, DNA damage, cancer-related fibroblasts, the extracellular matrix (ECM), exosomes, inflammatory immune cells, and so on. To overcome diverse chemoresistance, the relationship between antioxidants and resistant cancer models is important in the study of the mechanisms for tumor survival and cell death. This Special Issue of Antioxidants, “New antioxidants to overcome resistance in cancer therapy”, will focus on new advanced therapeutic strategies to overcome chemoresistance in various resistant cancer models. Moreover, we will encourage progress in the understanding of various resistance cancer types and focus on therapeutic approaches to develop and study new antioxidants to overcome chemoresistance.



mdpi.com/si/183402

Special Issue



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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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