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Antioxidants—Key Players in Innovative Pharmaceutical Products and Food Supplements

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Message from the Guest Editors

Dear Colleagues,

Since the late 1970s, when the term "oxidative stress" was coined by Helmut Sies, we have witnessed the growth of a field revolving around free radicals and antioxidants. Free radicals play a pivotal role in aging and various diseases like cancer, diabetes, and neurodegenerative disorders. Therefore, antioxidants have garnered attention as potential prophylactic and therapeutic agents. However, antioxidants' delivery through conventional dosage forms has some shortcomings. Issues such as high lipophilicity, instability, and extensive first-pass metabolism limit their bioavailability. Innovative drug delivery systems offer a solution, enhancing bioavailability and targeting specific tissues. Apart from their use as active substances, antioxidants have attracted attention as technical compounds that potentially limit nitrosamine formation and oxidative modifications in pharmaceuticals and food supplements.

This Special Issue of Life focuses on recent theoretical and experimental advancements in antioxidant delivery methods and the application of antioxidants as technical compounds.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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