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Oxygen and Ozone-Chemical Reactions, Biological Activities and Pathologies

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Message from the Guest Editors

Dear Colleagues,

Climate change and pollution contribute to the increase in ozone in the atmosphere, especially in large cities, where the air used for breathing by living beings is of increasingly poor quality. Ozone, like oxygen, when present in high quantities, can induce molecular modifications with the consequence of alterations in cellular functions, which can favor the development of various pathologies (cancers, cardiovascular diseases, etc.) and accelerate aging. The purpose of this Special Issue is to bring together work showing how ozone can modify different molecules and what the effects of ozone, ozonolysis, and ozone-modified molecules are on cellular functions, as well as on the development of major diseases (cancers, cardiovascular diseases, neurodegenerative diseases, eye diseases, etc.) and on the aging process.

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Special Issue