

Special Issue

Natural Products in Counteracting Oxidative Stress and Inflammation

Message from the Guest Editors

Oxidative stress and inflammation, induced by oxidative imbalance, are widely recognized as key components of the pathogenesis of various chronic diseases. However, the drug discovery campaign could be complicated. The redox-rebalancing agent may induce imbalance. For example, an antioxidant overdose could cause reductive stress. Moreover, some antioxidants also show oncogenic effects. Understanding how to identify a validated lead compound would be the main hurdle in this field. Natural products could be the answer. Natural products are a major source for drug discovery. In counteracting oxidative stress and inflammation, the multiple targets and biosynthesis characteristics of natural products could be beneficial. This Special Issue aims to collect research articles and review papers dealing with all aspects of natural products in counteracting oxidative stress and inflammation. Papers describing the identification of new compounds and the discovery of new applications of well-known natural products will be especially welcome. Review papers about the relevant fields will also be favored.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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