



Antioxidant Activity of Natural Compounds

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editor

While the 20th century was an age of antibiotics, the 21st century was hailed as an age of antioxidants. After more than 20 years of researching these relationships, can we clearly state that they have fulfilled their hopes? Or, on the contrary, are they a great disappointment for humanity counting on a biochemical philosopher's stone? While the role of oxidative stress in the pathogenesis of so-called civilization diseases are reliably confirmed and indisputable, and free radical damage to the key macromolecules of our body is a component of the biological clock, it should be remembered that the oxidative processes occurring in our bodies are also key to maintaining health.

Contributions to this Special Issue can cover all aspects related to the antioxidant potential of natural compounds, extraction, characterization, identification and quantification; mechanisms of antioxidant action; looking for new compounds with multidirectional antioxidant activity; the bioaccessibility and bioavailability of dietary antioxidants; interactions with other components; and the “dark side” of natural antioxidants, including in vitro and in vivo assays.





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Message from the Editor-in-Chief

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