Special Issue

Bioactive Compounds from Grape and Wine

Message from the Guest Editor

Numerous are the aspects to consider when dealing with grape and wine compounds that are capable of modulating some human metabolic processes, resulting in beneficial effects. These compounds are transferred from grape to wine during winemaking and include a heterogeneous class of grape phytochemicals and metabolites derived from microbial transformations, having different chemical structures (they comprise mainly phenolic compounds, but also melatonin, terpenoids, etc.). The final health effect is, therefore, the result of a combination of different factors: the distribution of bioactive compounds in the grape cluster; their concentration in different wine types; their daily intake; their bioavailability and in vivo activity and stability. In addition, numerous agronomical, microbial, and technological practices can affect their concentration in grape and wine. This Special Issue aims to attract contributions on all aspects of the chemistry and potential health activity of these grape and wine compounds, including the factors having an effect on their concentration in grape and wine and on their bioavailability.

Guest Editor

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As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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