

Special Issue

Flavonoids and Xanthones: Phytochemistry, Chemotaxonomy, and Biological Activities

Message from the Guest Editor

Flavonoids are commonly reported from angiosperms, gymnosperms, ferns, and mosses as well as a few fungi and algae, and ca. 10,000 kinds are found as natural compounds. They are divided into an assortment of classes, including anthocyanins, flavones, flavonols, flavanones, dihydroflavonols, chalcones, aurones, flavans, and proanthocyanidins; they are found in most plant parts, e.g., flowers, leaves, roots, stems, buds, and seedlings and seeds, and act as antioxidants, UV shields, attractors of pollinators, flower colors, oviposition stimulants, allelopathic agents, and phytoalexins in many plants. On the other hand, ca. 200 xanthones are reported from vascular plants, as well as fungi and lichens. However, flavonoids and xanthones have not been surveyed in many plant species. In this Special Issue, we will accept papers on flavonoid identification, new sources, chemotaxonomy or chemosystematics, and biological activities.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2023)



Molecules

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CiteScore 10.3
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Message from the Editor-in-Chief

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