



Coumarins and Coumarin Derivatives: From Chemistry to Drug

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Message from the Guest Editors

Plant secondary metabolites have played an important role in human welfare due to their great therapeutic potential. Among them, coumarins and coumarin derivatives have gained popularity because of their health benefits; and structurally, coumarin derivatives resemble vitamin K, an important element involved in the synthesis of a number of clotting factors. Coumarins belong to the heterocyclic class of organic compounds, naturally present in a large variety of plant families. Since the discovery of the first coumarin, more than 200 years ago, a huge number of coumarins and analogues have been either isolated or synthesized. In light of these premises, this Special Issue aims to collect contributions on the potential of coumarins and coumarin derivatives to enhance the positive influence in human welfare. Chemical characterizations of plant extracts together with the evaluation of biological activities (cytotoxicity against microorganisms and human cell lines, antimicrobial, antifungal, antioxidant, anti-inflammatory effects) of the mixture, as well as of the single compounds, are required.





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Message from the Editor-in-Chief

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