

## Special Issue

# Coumarins and Coumarin Derivatives: From Chemistry to Drug

### 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.

### Guest Editors

Dr. Salvatore Genovese

Dr. Serena Fiorito

Dr. Vito Alessandro Taddeo

### Deadline for manuscript submissions

closed (30 April 2019)



## Molecules

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*Molecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto:molecules@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

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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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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