Special Issue

Coumarin and Its Derivatives

Message from the Guest Editor

Coumarins are widely distributed in nature and can be found in a large number of naturally occurring and synthetic bioactive molecules. Their unique and versatile oxygen-containing heterocyclic structure makes them a privileged scaffold in medicinal chemistry. The large conjugated system, with electron-rich and charge-transport properties, is important for the interaction of this scaffold with other molecules and ions. Therefore, a great number of coumarin derivatives have been designed, synthetized, and evaluated on different pharmacological targets. The extraction, synthesis, and biological evaluation of coumarins have become extremely attractive and rapidly developing topics. Research articles, reviews, communications, and concept papers focused on the multidisciplinary profile of coumarins, highlighting natural sources and the most recent synthetic pathways, along with the main biological applications and theoretical studies, are welcome for this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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