

Special Issue

Discovery, Synthesis and Evaluation of Bioactive Compounds

Message from the Guest Editors

Many useful drugs, biosensors, and medical applications of organic compounds result from broad collaboration between synthetic chemists and biologists. Organic synthesis has a primary role in new drug discovery, as well as the design, realization, and characterization of bioactive low-molecular-weight compounds. At present, a plethora of synthetic strategies help organic chemists in collecting a large number of molecules, often having templates directly inspired by nature. As a consequence, the development of new methods that can be applied in preparing new and powerful bioactive compounds is a fundamental need in translational research projects.

In this Special Issue, we focus on the most recent research efforts, towards the discovery of lead compounds and the development of drug candidates for successful therapies against major and severe contemporary diseases. Special attention will be given to interdisciplinary studies on novel therapeutic agents (anticancer, antiviral, antibacterial, antiparasitic, antidiabetic, etc.), having specific receptors, enzymes, or cellular pathways as targets.

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About the Journal

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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