

Special Issue

Design and Synthesis of Bioactive Compounds

Message from the Guest Editor

Many drugs available today were discovered by chance. Drug design is aiming to invent and develop novel biologically-active molecules (leads) for targets (e.g., enzyme, receptor, cell, tissues, etc.) in therapeutic areas. For developing such potential leads all known theoretical and experimental knowledge of the physiological targets is applied. Most commonly, these targets are enzymes and thus enzyme inhibitors account for many of the drugs on today's market and cover many different therapeutic areas. This issue will cover all remaining techniques of drug design, including: rationale search for novel scaffold, computer-aided design, use of multicomponent chemistry, structural analogy approach, structural and topographical mimetics, multitarget drug design including drug repurposing, natural product-based drugs, etc.

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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