Special Issue

Small Molecule Organic Compounds: Synthesis and Medicinal Properties

Message from the Guest Editor

Small molecule drugs are synthetic medicinal chemical entities designed to mimic, enhance, or reduce the behavior of natural substances within the body. The structures of small molecule organic compounds can be designed to interact particularly with specific pharmacological targets. By modifying the atomic composition, their properties can be tuned to a specific purpose, obtaining only the anticipated response. The discovery of new drugs remains a significant challenge, involving teams of researchers from chemistry, biology, drug development, science, and informatics. This Special Issue on "Small Molecule Organic Compounds: Synthesis and Medicinal Properties" focuses on recent advances in synthesizing novel biologically active small molecule organic compounds. Topics include, but are not limited to, methods and/or applications in the following areas:

- Design and synthesis of novel bioactive small molecule organic compounds;
- Multi-step synthesis and medicinal chemistry;
- Biological evaluation of organic molecules for specific targets with molecular docking studies;
- Nitrogen-containing bio-active heterocycles with SAR studies.

Guest Editor

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Editor-in-Chief

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