



State-of-the-Art Analytical Technologies for Natural Products

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Message from the Guest Editor

Dear Colleagues,

Natural products cover a wide range of applications including new drug discovery and human healthcare systems. However, natural products represent a multifaceted complex system that may contribute to a medicine's putative activity, and the complex chemical compositions present a series of hurdles to the exploration of the chemical basis, quality evaluation and control.

Therefore, this Special Issue aims to highlight recent advances in all aspects of state-of-the-art analytical technologies and methods, such as sample preparation, separation and detection and data processing techniques, as well as related applications of natural products. The development of tandem techniques (LC-MS, GC-MS, LC-NMR, etc.) in clarifying the chemical basis, chromatographic fingerprint, spectroscopic fingerprint, multicomponent determination and plant metabolomics in quality evaluation and control, online biological evaluations, drug metabolism, and pharmacokinetics of natural products are all welcome. Submissions of original research articles, short communications, perspectives, and comprehensive review articles are all welcome too.

Prof. Dr. De-an Guo
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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