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## Improvements and Opportunities on Natural Products for Novel Drug Discovery

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### Message from the Guest Editors

Natural products are produced in nature, so it is straightforward and rational to believe that all of them have biological roles and have naturally evolved to be more valuable and effective. The generation of diversity in natural products has occurred not only within the limitations of available biosynthetic reactions and precursors but also in the context of biological utility, as a tool to understand, in depth, the biosynthetic routes for different compounds in different types of organisms.

This Special Issue is dedicated to contributions on several aspects of drug discovery as essential mainstays on the innovation of new therapeutic agents, and the necessity in obtaining novel natural compounds, as well as the current reuse of known natural/derivative drugs with new therapeutic patterns. Traditional natural product chemistry has evolved, connecting but not limited to several other areas—for example, improved analytical tools, bioinformatic, omics, data mining, computational tools, genome mining, synthetic biology, and advances in microbial cultures. These interdisciplinary relationships open new opportunities for drug discovery.



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# Special Issue



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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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