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Exploring Natural Metabolites to Identify Novel Potential Therapeutic Agents

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Message from the Guest Editor

Based on their chemical nature, these metabolites can be classified into different categories: terpenoids and steroids, alkaloids, non-ribosomal polypeptides, fatty-acid-derived substances and polyketides, and shikimate-derived compounds. All these compounds have different bioactivities, and have always been studied for their pharmaceutical efficacy on human health, and have constantly played a pivotal role in the design and development of powerful therapeutic agents.

In summary, natural metabolites play a significant role in the design and development of novel powerful therapeutic agents because of their functions and unique structures, because of which they can be considered the cornerstone of drug discovery.

This Special Issue, “Exploring natural metabolites to identify novel potential therapeutic agents”, aims to collect papers concerning the identification, discovery, analysis and/or activity of new biologically active metabolites from microorganisms and plants; in addition, a particular focus on new achievements in the field will be appreciated. Reviews and future perspectives are also welcome.



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Special Issue



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