

Special Issue

Natural Products-Assisted Organic Synthesis in Medicinal Chemistry

Message from the Guest Editors

Many of the isolated organic compounds from plants have been proven to be biologically active and used as antifungal, antimicrobial, anti-inflammatory, antitussive, analgetic, antipyretic, and antioxidant agents, essentially contributing to medicine and pharmacotherapy.

Generally, plant extracts also have disadvantages, whereby either the extracted amount of an active compound does not fulfill the requested quantity due to low natural abundance or the isolation of the active component as a pure biological active substance can be a strenuous process, which causes adverse side effects of the naturally extracted drug. The total synthesis of natural organic compounds and their derivatives supports the preparative aspects of a range of molecules of plant origins. In this regard, the limitations of the extracts are reduced, and the possibility of deriving natural products by generating synthetic analogs with improved biological activity can be afforded. Currently, various synthetic organic compounds are used in the prevention and treatment of cancer; rheumatic, cardiovascular, and neurodegenerative illnesses; and so forth.

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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