

Special Issue

Synthesis of Natural Products Using Engineered Plants and Microorganisms

Message from the Guest Editors

Plants and microorganisms, especially medicinal herbs, harbor diverse natural products. Among them, many are bioactive molecules, which have potential pharmaceutical or health applications. However, the compositions of these bioactive molecules in plants or microorganisms are usually low. The development of omics technologies and synthetic biology provide opportunities to produce bioactive molecules using metabolically engineered plants or microorganisms. Artemisinin, rare ginsenosides, and several other natural products have been produced on a large-scale. To further apply natural products, using cutting-edge synthetic biology and engineering biology technologies in plants and microorganisms is of great interest.

Guest Editors

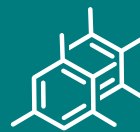
Dr. Yongjun Wei

Prof. Dr. Lingbo Qu

Prof. Dr. Xiao-Jun Ji

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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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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Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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