



Biomanufacturing of Natural Bioactive Compounds

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Message from the Guest Editor

Dear Colleagues,

Natural bioactive compounds are natural products with pharmacological activity produced by animal, plants, and microorganisms, such as podophyllotoxin, paclitaxel, and (-)- β -elemene. These compounds are commonly secondary metabolic products with complex structures and low yields, which make it difficult to obtain them as well as synthesize them chemically.

Biosynthesis, with the use enzymatic reactions, shows prominent advantage in the synthesis of natural bioactive products. Using cell factory or engineering enzyme to synthesize and catalyze the production of highly active natural products has broad prospects. The cellular uptake of special substrates, biosynthesis using enzymatic reactions with cloned gene (clusters) to improve yields or activity, and improved final products extraction methods are widely studied by many groups.

This Special Issue aims to provide a broad overview of the biosynthesis of natural bioactive compounds. Original research articles or reviews are welcome.





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Message from the Editor-in-Chief

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