

Special Issue

Boosting the Production of Bioactive Compounds: Biotechnology and Metabolic Engineering of Medicinal Plants

Message from the Guest Editors

The perception and exploration of plants has changed significantly as a result of exceptional advances in biotechnology. Plant material has long been applied for various industrial purposes; however, its role in treating human health problems cannot be overestimated. The objective of this Special Issue is to present the current knowledge and trends in scaling up the synthesis of Plant-derived bioactive compounds. Research on the optimization of tissue culture conditions by physical factors or growth medium components, endogenous and exogenous enzyme and/or transcription factor overexpression, is especially—but not exclusively—welcome. **Importantly:** (1) Manuscripts must report on the exact active ingredient or defined extract (papers describing the effects of mixed extraction of unknown composition will not be considered for publication); (2) the manuscripts covering attempts to increase the level of bioactives in tissue and organ culture by various factors must present at least the theoretical background of the molecular mechanism responsible for the production boosting.

Guest Editors

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