



## Exploration of Medicinal Plants: Recent Advances and Future Perspectives

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### Message from the Guest Editor

A large number of medicinal plant species are currently in use, harvested from native populations in wild habitats all over the world, to obtain special active compounds used for therapeutic purposes. Wild herb populations also provide rich sources of raw materials for different industrial purposes. Nowadays, gene expression studies provide valuable information about the background of active compound accumulation, and control mechanisms exist in different medicinal plant species. Characterization of wild herb taxa with the use of molecular biological techniques is a modern approach to the discovery of intraspecific taxonomic differences. Exploring morphological and chemical variability is an essential tool in the conservation of medicinal plant genetic resources as well as a basis for the improvement of new cultivars for growing.

Our aim is to provide valuable information on recent findings from the front line of research, concerning morphological, chemical and genetic variation in wild herb species with an insight to the possible use and initiatives of cultivation as well as stress tolerance.





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## Message from the Editor-in-Chief

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