



Biotransformation of Natural Products and Phytochemicals: Metabolites, Their Preparation and Properties

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Message from the Guest Editors

Biotransformation features two major meanings: (i) biocatalysis and enzymatic modification of various compounds and (ii) biotransformation in terms of metabolic changes of xenobiotics in organism. In this special issue we want to focus on both connotations of biotransformation. Metabolites of xenobiotics have often different biological and biophysical properties compared to the parent compounds. Phytochemicals and other natural products have received increased attention due to their considerable benefits in preventing and managing chronic diseases. These compounds generally suffer from low bioavailability, they are extensively metabolized and their metabolites are often responsible for their biological effects. Due to the complexity of phytochemicals enzymatic methods were recently introduced in the preparation of their (tentative) metabolites.

Topics for this Special Issue include the discovery of new chemical and biochemical methods for metabolite preparation including multienzyme methods, advanced structural and analytical methods for their characterization, and determination of biological and biophysical properties of the metabolites.





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Message from the Editor-in-Chief

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