



Association between Natural Products and the Metabolism in Humans

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Message from the Guest Editors

The analysis and reconstruction of novel metabolic mechanisms by means of genome mining and synthetic biology, and the development of small molecule drugs with new structures through structural modification, modification and optimization can provide new ideas for breaking through the bottleneck in the development of molecularly targeted drugs. Targeting natural drug molecular families with significant activity, unique structure or/and wide clinical application, revealing the in vivo biotransformation and analyzing the molecular mechanism can further promote the development of natural products. In recent years, several technological and scientific developments, including improvements in analytical tools, genome mining and engineering strategies, and advances in microbial culture, have injected new opportunities for natural product-related research. Here, we aim to compile innovative original research and review articles that shed light on the metabolic transformations, potential targets, molecular mechanisms of natural products and their association with the human metabolism.





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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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