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Fruit Metabolism and Metabolomics

Guest Editors:

Dr. Annick Moing

Dr. Sonia Osorio

Dr. Pierre Pétriacq

Deadline for manuscript submissions:
closed (15 February 2020)

Message from the Guest Editors

Dear Colleagues,

Fruit development and ripening are complex and highly coordinated developmental processes that yields flavorful tissues for organisms that consume and disperse the associated seeds.

In recent years, there have been dramatic improvements in the knowledge of different aspects of fruit metabolism. Specifically, high-throughput metabolomics technologies have provided the quantitation of metabolite levels across various biological processes allowing the identification of the genes underpinning fruit development and ripening.

This Special Issue will include, but not be limited to, articles and reviews about different aspects of fruit metabolism, including primary and specialized metabolisms, and postharvest. The effect of genotype, biotic or abiotic environment and their interaction on metabolomic profiles and metabolism are within the scope of the present topic. Studies of fruit lipidomics or a combination of genomics or other omics with metabolomics are also welcomed.

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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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