



Functional Plant Metabolism 2.0

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Message from the Guest Editors

Plants are considered the primary producers on our planet, using solar energy to convert CO₂ and H₂O into various organic compounds, which are synthesized through a variety of metabolic processes. Plant metabolism includes both anabolic and catabolic reactions occurring in plants through enzyme-catalyzed reactions that constitute metabolic pathways, the products of which are called metabolites. Plant metabolites are considered the main nutritional and nutraceutical sources for humans and fall into two categories: the primary metabolites, which are used for growth, development, and reproduction; and secondary metabolites, compounds used to protect plants against herbivores and abiotic stress, or to attract pollinators.

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