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Plant Lateral Organ Growth, Development and Metabolism

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Message from the Guest Editor

Plant lateral organs sustain life on the planet. Most food webs in nature and in agriculture rely upon leaves, fruits, and seeds. The development of lateral organs is coordinated by genes providing an organ identity to cells forming lateral primordia. These primordia may become leaves, shoots, or inflorescences, all of them having a set of common genes and others that drive the distinct morphogenesis. The identity of an organ and its growth has further implications, as it defines the actual metabolic setup of the organ. Indeed, specific metabolites are produced by lateral organs, and they have immense value as starch-rich grains and tubers, vitamin-rich leaves and fruits, or protein- and fat-rich seeds and fruits. The connection between lateral organ growth, morphogenesis, and metabolism is an exciting research topic where scientific excellence meets agronomic and biotechnological importance.



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Message from the Editor-in-Chief

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