Special Issue

Plant Lateral Organ Growth, Development and Metabolism

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.

Guest Editor

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Deadline for manuscript submissions

closed (1 November 2021)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/60156

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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