

Special Issue

Lipid and Hormone Action in Crop Development and Defense

Message from the Guest Editors

As major components of plasma membrane and organelles, lipids also function as active molecules, likely contributing to signal transduction, the permeability and fluidity of membranes, and as precursor substances for some important hormones. Additionally, lipids perform the functions of signals and regulators in a variety of cellular processes. Plant hormones also play a pivotal regulatory role in crop development and defense. Based on this broad range of functions, we are launching a Special Issue of *Agronomy*, which will focus on the following topics:

- Candidate gene response to lipids and related plant hormones;
- Exploration of the relationship between lipids, plant hormones, and plant architecture;
- The genes, transcription factors, and enzymes involved in lipid and plant hormone metabolism/signal;
- Lipid and plant hormones involved in crop tolerance;
- Vesicular trafficking networks in crop–fungal pathogen interactions.

The overall aim of this Special Issue is to contribute to the knowledge of genes regulated directly or indirectly by lipids or plant hormones. We welcome studies concentrating on crop development and defense mechanisms.

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