

Special Issue

Molecular Biology of Plant Defense Responses in Maize

Message from the Guest Editor

Maize remains the most widely-grown and productive crop on the planet. Despite gains in pest management, biotic stresses continue to have major impacts on yield, amounting to billions of dollars per year in losses in the United States alone. Improving the basic understanding of the mechanisms, biochemical pathways, and genetics of how maize defends itself from pathogens and insects can facilitate the development of improved cultivars and pest management strategies. Topics of interest for this Special Issue of *Plants* include: molecular biology and biochemistry of defense chemistry, the regulation of defense signaling pathways, characterization of genes and gene families involved in defense responses, and genomic/transcriptomic/metabolomic analyses of pathogen or insect defense in maize. Original research and reviews are welcome.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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