

Special Issue

Herbicide Resistance in Plants

Message from the Guest Editor

Relentless evolution of herbicide-resistant (HR) weeds is an important global issue, with implications for food security and economic, agronomic, and environmental sustainability. Today, the alarming occurrence of multiple resistance in weed populations concomitant with the paucity of herbicides over the past 30 years with a major new mode of action has led to increasing reliance on combined—or stacked—trait HR crops to manage these populations. This Special Issue of *Plants* will highlight global trends in the occurrence of HR weeds; recent developments in resistance mechanisms; population genetics of HR weeds; potential implications of genome editing for weed management; fitness of HR weeds and implications for management; recent developments in HR weed management including socio-economic considerations for enhancing grower adoption; current status and future outlook for HR traits in cereal, oilseed, and annual/perennial legume crops.

Guest Editor

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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.

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