

Special Issue

"Rollback of GMO Regulations" for Food and Fibre Crops

Message from the Guest Editor

By 2050, at which point the human population is expected to have grown to beyond 9 billion, a 70–100% increase in food production is needed, even as the world continues to warm and have more abiotic and biotic stresses impacting crop production. Crop improvement will face increasing challenges from climate change, and crops will need to be more resilient. Genome editing offers a more precise and easier means of modifying plant genomes than previously, enabling linkage drag of unwanted DNA to be excluded, and provides new opportunities for manipulation of gene expression. Options include switching genes on or off, base pair insertion or deletion, epigenetic changes, and interspecific DNA transfer. However, GMO crops/microbes for the production of pharmaceuticals, hormones, and other medicinals for humans and animals should be separated into a different category and must remain subject to GMO regulatory risk assessment for their impact on health and on the environment.

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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