Special Issue

Biotechnology of Horticultural Crops

Message from the Guest Editors

Technological change has driven economic progress in agriculture and will continue to play a crucial role throughout the 21st century. The latest wave of technological change in agriculture is based on molecular biology. Will horticulture participate? Genetically engineered crop varieties have been adopted on a wide scale in some agronomic crops, but horticultural crops face larger hurdles. High costs of research, development, and regulatory approval combined with the small acreages planted and the diversity of varieties will limit the potential for profitable applications of biotechnology to many fruits and vegetables, tree fruits and nuts, and nursery crops. In addition, there are market barriers. Like most developments in agriculture, modern biotechnology has met with spirited political opposition from some quarters. In this Special Issue, articles (including original research papers, perspectives, hypotheses, opinions, reviews, modeling approaches, and methods) that focus on biotechnology of horticultural crops are of great interest, including reliable paths to create new technologies, such as gene editing and grafting, for horticultural crops.

Guest Editors

Prof. Dr. Dagang Hu

College of Horticulture Science and Engineering, Shandong Agricultural University, Tai'an 271018, Shandong, China

Dr. Cuihui Sun

College of Horticulture Science and Engineering, Shandong Agricultural University, Tai'an 271018, Shandong, China

Deadline for manuscript submissions

closed (30 December 2022)



Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



mdpi.com/si/101495

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

mdpi.com/journal/agriculture





Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

