

Special Issue

Application of Biotechnologies in Crop Improvement and Plant Development

Message from the Guest Editor

The aim of this Special Issue is to showcase the current applications of biotechnologies in crop improvements and plant development and discuss the potential for future sustainable agriculture. The topics of this special research collection includes, but are not limited to, the following aspects:

- The application of the CRISPR-Cas system in crop plants to improve crop traits and accelerate crop breeding;
- The application of nanotechnology in plant growth, crop production and crop protection;
- The application of microbial technology in crop production and sustainable agriculture;
- The application of omics technology in crop traits improvement and crop protection;
- The application of biotechnologies for enhancing the resistance of plants to stresses caused by global climate change;
- The application of biotechnologies in mitigating global climate change;
- Reviews on current studies of biotechnologies applications and future perspectives.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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Prof. Dr. Marc A. Rosen

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