

Special Issue

Plant Biotechnology in Agriculture

Message from the Guest Editor

Plant biotechnology is a set of techniques used to modify plants for specific needs or opportunities for mankind that can be applied in agronomy to advance genetic traits and the genetic background in crop science. It also involves breeding plants to improve various crop traits, such as yield, quality, heat and drought resistance, resistance to diseases, and herbicide and insect resistance, increase biomass for biofuel production, and enhance the nutritional quality of crops. Against this background, we invite pre-eminent scientists working on plant biotechnology in agricultural areas across the world to contribute high-quality original research papers, critical reviews, and opinion articles to this Special Issue. This Special Issue's scope includes research in functional genomics, comparative genomics, plant molecular biology, mutagenesis and polyploidy, protoplast applications, molecular marker development, RNA interference, transgenic plants, and genome editing. Preference will be given to studies presenting results that provide significant new insights into biotechnology and that advance our understanding of expression mechanisms, functions, or regulation.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2022)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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