



Plant Molecular Genetics and Biotechnology Approaches in Sustainable Agriculture and Global Food Security

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Message from the Guest Editors

Agriculture food production is facing huge problems in many regions of the world, such as soil degradation, increases in salinity and drought/heat threats, and limited fresh water resources, especially in marginal environments. Agricultural sustainability and food security are seriously threatened in arid and semi-arid regions, where salinity is considered as a major limiting factor that reduces plant production. Drought scenarios are expected to happen more frequently. Nutrient availability is another limiting factor for crop production. Therefore, solutions to specific agriculture problems and contributions toward sustainable production are urgent in order to face the major challenge of food security without compromising the environment any further due to global warming. Recent developments in this SI may contribute to the creation of crop varieties with resilient characteristics to changing environments and may be a driver for global food security.

We welcome the submissions which are close to Sustainability on these topics: plant molecular biology and breeding, plant biotechnology, plant microbial communities and plant nutrition, etc.





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Message from the Editor-in-Chief

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