Topical Collection

Biosaline Agriculture

Message from the Collection Editors

One of the greatest and most urgent challenges of agriculture today is providing enough food for the ever-increasing population worldwide, a mission that is complicated by the current threat of climate changes. Among the different factors affecting the yield and quality of produce, soil salinity and water deficiency are the two main limiting environmental constraints in arid and semi-arid regions. The increasingly frequent extreme climatic events will lead to an increment of drought- and/or salt-affected areas worldwide, inevitably resulting in a reduction in crop yield. There is therefore a great need to move towards more sustainable production systems. This SI on “Biosaline agriculture” welcomes research articles, reviews related to any useful and smart management strategy to allow better production and enhance yield under such unfavourable conditions, including the restoration of marginal lands, use of salt-tolerant genotypes, employment of halophytes as desalting species but also as valuable new cash crops, aquaponics and wetlands production systems, molecular and non-molecular tools to improve salt resistance, use of plant growth regulators, etc.

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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