

Special Issue

Sustainable Management of Halophytes for Seawater and Saline Water-Based Agriculture

Message from the Guest Editors

Halophytes and halo-tolerant plants may become the key to the sustainable development of food worldwide. Saline-alkali land is not barren land. A large number of halophytes, salt-secreting plants, pseudo-halophytes, and high-salt-tolerant plants can be grown through modern selection and scientific irrigation techniques. The sustainable management of halophytes and marine agriculture is currently a promising and an interesting subject and will play a key role in the development of new crops. We welcome original research papers, review articles, and short communications of which topics include, but are not limited to:

agrobiological characterization of halophytes;
design of halophyte-based cropping systems;
potential agri-industrial uses of halophytes;
halophytes for biofuel;
halotolerant crops and halophytes for forage;
soil and water management in halophyte agroecosystems;
halophytes and soil-plant-water-atmosphere relations;
nutritional requirements of halophytes;
halophytes for remediating polluted soils and water;
designing seawater-based agriculture;
halophytes for increasing food production; and
halophyte-based sustainable agroecosystems.

Guest Editors

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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