

Special Issue

Agro-Environmental Sustainable Exploitation of Halophyte, Medicinal and Aromatic Species from Marginal Areas—2nd Edition

Message from the Guest Editors

Crop scientists are working to overcome the challenge of adapting agricultural systems to low-input requirements, all the while ensuring high productivity, quality, and food security in an unceasingly changing climate. This Special Issue aims to gather together the most valuable research on the exploitation of spontaneous species and landraces from marginal areas, including medicinal, aromatic, and halophyte plants. We welcome papers on the following topics: micropropagation; biodiversity; the fingerprinting of genetic resources; the molecular basis of trait adaptation to stress; soil-microbe-plant interactions for reductions in chemical fertilizers input; the evaluation of the antimicrobial/antifungal activity of medicinal and halophyte plant extracts; the production of low-environmental-impact bio-stimulants and bio-pesticides for plant growth promotion and sustainable pathogen control; the nutritional characterization of marginal species and their use in fortified healthier foods for the valorization of local unexploited resources and traditional production; and sustainable nature-based solutions for soil/water management and remediation in marginal areas.

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