Special Issue

Salinized Soil Management: Ecological Restoration and Sustainable Productivity

Message from the Guest Editors

Sustainable solutions for the challenge of soil salinization require a paradigm shift toward ecological strategies that restore soil health and transform salt-affected lands into productive, resilient agroecosystems. The core objective lies in advancing innovative soil management systems that harmonize ecological restoration with sustainable agricultural output, ensuring long-term food security and environmental improvement.

This Special Issue will highlight research on ecological and technological interventions for salinized soils, including, but not limited to, phytoremediation with salt-tolerant plants, microbial consortia for nutrient cycling, organic amendments to enhance soil structure, precision nutrient management, and the genomics-driven development of stress-tolerant crops. Emerging tools such as remote sensing for salinity mapping are also within the scope. Submissions addressing novel methodologies, large-scale restoration frameworks, or interdisciplinary approaches to salinization challenges are also encouraged. If you are interested in contributing, don't hesitate to get in touch with the editors (zhenhua.zhang@uwa.edu.au and ycbai@yzu.edu.cn).

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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