

## 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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### Guest Editors

Dr. Zhenhua Zhang

The School of Agriculture and Environment, The University of Western Australia, Crawley, WA 6009, Australia

Prof. Dr. Yanchao Bai

College of Environmental Science and Engineering, Yangzhou University, Yangzhou 225127, China

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### Deadline for manuscript submissions

30 November 2026



## Agriculture

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*Agriculture*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agriculture@mdpi.com](mailto:agriculture@mdpi.com)

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### Message from the Editor-in-Chief

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Prof. Dr. Les Copeland  
Sydney Institute of Agriculture, School of Life and Environmental  
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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