

## Special Issue

# Smart Approaches for Soil Health, Water Quality and Nutrient Studies in Soil Environment

### Message from the Guest Editors

Smart approaches are a rising area bringing the benefits of digitalization through big data, artificial intelligence and linked data into the agricultural domain. Innovations in agricultural technologies in the last century that have been centered on maximizing food production to feed the growing population have contributed to significant changes in environmental processes, including soil health, water quality and soil nutrient studies.

This Special Issue will present a collection of original research and review papers on smart approaches for studying soil health, water quality and nutrient studies in soil environments.

We will cover topics related to soil quality, remote sensing, land evaluation, soil nutrients, water quality, land degradation, biochar and nanoparticles, soil amendments and crop residue management with reference to soil health.

We also cover topics that discuss the impacts and implications of natural processes and anthropogenic effects, such as climate change, drought and other forms of environmental stresses on soil and water dynamics and agricultural sustainability.

We look forward to receiving your contributions.

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### Guest Editors

Prof. Dr. Ahmed A. El Baroudy  
Dr. Zheli Ding  
Dr. Mohamed S. Shokr

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### Deadline for manuscript submissions

closed (26 October 2023)



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## Message from the Editor-in-Chief

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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