# Special Issue

# Restoring the Integrated Behaviour of the Soil-Plant-Microbe System

## Message from the Guest Editor

The world is facing an existential threat from climate change, biodiversity collapse, and food and water insecurity. The restoration of global soil health mitigates the risk from all of these challenges. Whilst we have sufficient knowledge to get started, there remain substantial challenges to transforming the health of the world's soils. Central to these challenges is understanding how carbon impacts microbial function and how this leads to changes in the physical and biological properties that underpin natural fertility. This Special Issue will pull together the leading thinkers in the integrated behaviour of the soil-plant-microbe system to suggest a way forward to fill these knowledge gaps, whilst simultaneously delivering impact in the ground at the scale and pace required. This perspective will be combined with the views of leaders from the agricultural, finance, and technology sectors to propose a self-sustaining systems approach. Keywords

- food security
- agriculture
- technology
- big data
- mathematics
- climate
- biodiversity

## Guest Editor

Prof. Dr. John Crawford
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## Deadline for manuscript submissions

closed (30 November 2023)

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# About the Journal

## Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

## Editor-in-Chief

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