# **Special Issue**

# Application of Biochar in Sustainable Soil Management: Challenges and Perspectives

## Message from the Guest Editors

The application of biochar to agricultural soils plays an affective role not only in sustaining nutrient sources in deficient soils but also is important for soil moisture content or soil remediation issues. Therefore, biochar application as a soil amendment is regarded as a promising method of agricultural practice with aim of improving soil productivity and plant growth with the lowest environmental adverse effects. A deeper understanding of the biochar–soil–crop relationship could provide a more clear role of soil management in terms of sustainable agriculture and environmental benefits.

This Special Issue focuses on the assessment of the potential role of biochar application in treating problematic soils, and its impact on soil and crop quality and productivity from multiple aspects such as plant growth, grain yield, soil pollution, soil fertility, soil moisture, soil aggregation, greenhouse gas emission, nutrient cycling, carbon sequestration and nutrient leaching. We therefore encourage the submission of case studies, meta-analysis and reviews that are relevant to the scope of this Special Issue.

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## **Deadline for manuscript submissions**

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