

Special Issue

Soil Organic Matter: Recent Advancements in Exploring Its Dynamics, Stabilization and Prediction

Message from the Guest Editors

Despite its low participation (5%) in the soil solid phase, soil organic matter (SOM) is an important component of soil, influencing soil chemical, physical and biological properties; it is commonly referred to as soil quality indicator. SOM preservation, further accrual and stabilization are key to sustain not only soil security and food production, but also to mitigate global warming; thus, understanding the main processes and drivers of SOM formation and persistence in soils is increasingly important to control emissions of greenhouse gases.

This Special Issue, 'Soil Organic Matter: Recent Advancements in Exploring Its Dynamics, Stabilization and Prediction', invites authors to submit their manuscripts addressing new findings as well as technological achievements in analyzing SOM. Some potential topics include nutrient cycle; biogeochemistry; soil carbon stocks and stabilization; measurement, monitoring, reporting and verification of soil organic carbon in agricultural landscapes; soil carbon stocks maps; and organic farming. Papers that link SOM dynamics, stocks and stabilization processes to large-scale processes such as carbon and nitrogen cycle are encouraged.

Guest Editors

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