## Special Issue

# Dynamics of Organic Matter in Agricultural Soil Management Systems

#### Message from the Guest Editors

This Special Issue will focus on how Soil organic matter (SOM) responds to different agricultural soil management methods (e.g., fertilization and/or other soil amendments, irrigation, tillage, crops and crop rotations, etc.) and contributes to ecosystem services (e.g., soil structure, fertility, C sequestration, greenhouse gas emissions, nutrient cycling, plant growth and crop yield, etc.). We welcome cutting-edge research that utilizes advanced techniques, such as isotopic tracing, spectrum analysis, omics technologies, and modeling, to unravel the complex dynamics of SOM formation and persistence. Topics of interest include, but are not limited to, the following: Effects of agricultural soil management on SOM content and composition. Microbial preferences for plant-derived substrates and their impact on SOM formation and stabilization. SOM-controlled microbial interactions. Effect of environmental factors (e.g., climate, soil properties) on SOM persistence. Innovative strategies to enhance SOM quantity and quality through plant-microbe-soil interactions.

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#### Deadline for manuscript submissions

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