

Special Issue

Impacts of Pasture Management on Soil Processes, Productivity, and Environmental Sustainability

Message from the Guest Editors

Pasture management affects soil health, ecosystem functions, and sustainability. Unsustainable practices, such as overgrazing or excessive fertilization, can degrade soil, reduce biodiversity, and lower productivity. Strategies like rotational grazing, optimized fertilization, and forage diversification improve soil fertility, water retention, carbon sequestration, and system resilience, supporting high-yield forage and efficient livestock utilization. For this Special Issue of *Agronomy*, we invite research and reviews on how pasture management affects soil physical, chemical, and biological processes, and the impacts on productivity, ecological stability, and environmental outcomes. Topics include soil carbon, nutrient cycling, microbial communities, water infiltration, and productivity–sustainability trade-offs. Interdisciplinary studies integrating soil science, agronomy, ecology, and environmental science are particularly encouraged.

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Editor-in-Chief

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