Special Issue

Biogeochemical Element Cycling in Plant–Soil Systems: Implications for Ecosystem Dynamics and Services

Message from the Guest Editors

Biogeochemical cycling in plant-soil systems is crucial for ecosystem dynamics and services. Ecosystem dynamics encompass changes in structures caused by organism interactions with the environment. Services include functions like pollination and biomass production. Terrestrial plants are vital biomass producers and oxygen sources. Soil micro-organisms recycle elements, sustaining fertility for plant growth and services. Understanding these interactions is key to grasping ecosystem dynamics. Global change poses challenges, requiring effective management and policy. Research on biogeochemical cycling in plant-soil systems is invited, exploring questions such as: • How does cycling impact terrestrial ecosystem dynamics and services? • How do organisms interact in plant-soil biogeochemical cycling? • How does global change affect cycling, impacting dynamics and services? • How can management and policy mitigate global change effects? We welcome theoretical approaches and studies, aiming to deepen our understanding of biogeochemical cycling and its implications for ecosystems in a changing world.

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