



Environmental Science Graduate Program Student Seminar Series

Soil Microbial Communities and Carbon Permanence

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Zoom Meeting ID: 989 2470 8162

<https://osu.zoom.us/j/98924708162?pwd=VF1WWNwOGFGd2kzZWV3RXQ0Z09uQT09>



Abstract

Climate change is an issue that continues to put pressure on global decision-making processes. A growing population, severe weather events, increasing temperatures, and frequent droughts threaten agricultural systems and the stability of food security around the world. Agriculture is in an interesting position. While it is threatened by these changes, it can also contribute to mitigation by sequestering carbon from the atmosphere when structured around sustainable practices. Understanding the relationship between plants, soil, and the microbiology is important for maximizing the permanence of the sequestered carbon.