



Seminar Series

Winter 2024

Hybrid
Alex 265

Friday,
March 22

12 – 1pm

Dr. Adam Gillespie

School of Environmental Sciences, University of Guelph

Soil organic matter stability – insights from analytical pyrolysis



Light refreshments
will be served

Adam Gillespie's research focuses on soil organic matter and its integral role in sustainable agriculture, soil health, and ecosystem resilience.

Soil organic matter is implicated in almost all aspects of sustainable farming and is now becoming an important component of climate policy and economics. Nevertheless, **sustainable agriculture** and **climate policy** depend on understanding the susceptibility of soil organic matter to decomposition.

Analytical pyrolysis refers to the process of heating in the absence of oxygen. We have found that there is a relationship between the heat energy required to pyrolyze organic matter and its susceptibility to decomposition. **In this talk, I will present findings that link the behaviour of soil organic matter under pyrolysis with land use and organic matter stability.**

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Full abstract and more information on our website:
www.uoguelph.ca/ses