Agronomy Seminar Series
FALL 2023 SEMESTER

“Advancing understanding and forecasting of soil organic matter dynamics to transform challenges into opportunities.”

Dr. M. Francesca Cotrufo
Department of Soil & Crop Sciences
Colorado State University

Dr. Cotrufo is a soil ecologist and biogeochemist, internationally recognized for her work in the field of litter decomposition and soil organic matter dynamics, and the use of isotopic methodologies in these studies. She strives to advance understanding of the mechanisms and drivers of formation and persistence of soil organic matter, and their response to global environmental changes and disturbances. She uses this understanding to improve modelling of soil C-climate feedback to inform climate and land use policy and management. She also pursues applied research to innovate and increase throughput of soil carbon and health testing, and to propose soil management practices that regenerate healthy soils and mitigate climate change. As a scientist fully aware of the current and future challenges expecting humanity, Dr. Cotrufo is interested in promoting research education, and outreach activities to help mitigating the current human impacts on the Earth System and assure a better sustainable path for humanity.

Monday, September 18th
2:30 PM | LILY 2425

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