



SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES

GRADUATE EXIT SEMINAR

ABDELMATLOUB OMAR

Statistical Identification of the Best Representative Examples of a Common Soil Series Using Environmental Covariates

In soil survey and mapping, representative soil profiles (pedons) are used to characterize the properties of the soil series. In soil survey, surveyors use conceptual (mental) model for correlating soil with landforms and other soil forming factors for designating the representative soil profiles of a soil series, therefore, collecting data for soil survey is conducted based on surveyor's interpretation of the landscape. Given the complexity of the landscape and the spatial variation in soil properties, designating the representative soil profiles may not be an easy task. It is an expensive and time-consuming process, as well. In the present study, a statistical-spatial model was developed to determine the locations of the best representative examples of Blount soil series.

Advisor: Dr. Brian Slater

Thursday, December 14, 2023
11:30 A.M. to 2:30 P.M.

Location: Kottman Hall 245

Join the seminar via Zoom:

<https://osu.zoom.us/j/91819856951?pwd=aDhJemhaQURqd2tsOVpPQWxMdUxtdz09>

Meeting ID: 918 1985 6951

Password: 765635

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