

Assessing effects of different pre-sampling treatment on soil pH analysis

BSc-Thesis

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Question:

In soil science several procedures can be applied to prepare dried-sieved samples for pH measurements. This study seeks to answer if different pre-treatments result in deviations of pH results and therefore assess advantages as well as limitations of lab protocols commonly used?

Method:

pH measurements on a variety of samples from the soil archive of Geopedology and Landscape Development will be conducted. Analyses will be done after three different pre-treatments with H₂O and CaCl₂ solutions. Results must be assessed by statistical means and on basis of a profound literature review.

Requirements and special knowledge

Basic labwork and chemical understanding