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Correlation between Electrical Resistivity and pH of Lateritic Soil

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Soil is heterogeneous medium which consist of liquid, solid and gaseous phases. Natural soils of various types have different electrical properties due to the composition, structure, water content, pH and temperature. This research aims to study the correlation of electrical resistivity for predicting pH of lateritic soil. The samples of soil were collected from farm of Kasetsart University Chalermphrakiat Sakonnakhon Province Campus in Thailand. The electrical conductivity was investigates by EC meter and converse to electrical resistivity and the pH was investigate by pH meter. Then analyzed the relationship between variables using statistical methods were the correlation coefficient Spearman Rank and simple regression found that the electrical resistivity was associated with the pH of lateritic soil.

Primary author: Mr PHOTHARIN, Somkuan (Faculty of Science and Engineering)

Presenter: Mr PHOTHARIN, Somkuan (Faculty of Science and Engineering)

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