

# **Toposequences of Volcanic Soils in Northern Taiwan. (S05-tsai203853-Poster)**

## **Authors:**

- T.C.C.Tsai\* - *Dept. of Agric. Chem., National Taiwan University*
- C.Z.S.Chen - *Dept. of Agric. Chem., National Taiwan University*

## **Abstract:**

Twenty soil pedons selecting along two transects (TT1 and TT2) in Tatung Mountain area, the elevation ranged from 410 to 1090m, located in Yangmingshan Volcanic National Park in northern Taiwan. The objectives are to study the soil characteristics of selected soil pedons and their distribution on different landscape positions in the study area. The study area is 1600ha. The direction of TT1 transect was from south to north, and TT2 transect was from east to west. Twelve soils were collected in the TT1 transect including six Andisols and six Inceptisols. Eight soils were collected in the TT2 transect including one Andisols and seven Inceptisols. The results of soil physical and chemical characteristics indicated that most of Inceptisols still exit andic soil properties, and they were classified as Andic Dystrudept. The Inceptisols almost distributed in the lower elevation and steeper landscape of the toposequence in the study area which occupied about 65% of total area. The Andisols almost distributed in the higher elevation and stable landscape of the toposequence in study area which occupied about 15% of total area.

## **Corresponding Author Information:**

Chen-Chi Tsai

National Taiwan University

Taipei 106, TAIWAN

Taipei 106

TAIWAN

phone: +886-2-23630231#2492

fax: +886-2-23924335

e-mail: d5623401@ms.cc.ntu.edu.tw

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