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Soil Conservation and Management



Under the direction of
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RESEARCH FOCUS:

**Soil resources and managements, especially in problem soils;
Soil mineralogy in relation to agriculture**

Research Fields

- **Integrated plough pan alleviation for yield increasing of cassava**
- **Efficiency of soil amendments on alleviating pan bearing soils problem**
- **Reclamation of salt affected soils for improving yield and quality of Jasmine rice in Northeast Thailand**
- **Soil improvement and micro-nutrient managements for increasing yield of cassava and sugarcane in Northeast Thailand**
- **Influence of green manure on productivity of degraded sandy soils**
- **Residual effect of continuous liming on phosphorus sorption capacity in acid sulfate soils**
- **Influence of upland tillage systems on nutrient loss in highly weathered soils**

Publications

- Thanachit, S.,** I. Kheoruenromne, S. Anusontpornperm. 2011. Short-term Tillage Effect on Properties of an Arenic Haplustult under Maize Cultivation in Tropical Savanna Climate, Northeast Thailand. *Thai Journal of Agricultural Science* 44: 41-51.
- Thanachit, S.,** A. Suddhiprakarn, I. Kheoruenromne, P. Sindhusen and R.J. Gilkes. 2010. Micromorphological characteristics of soils on the Nam Phong and Khon Buri catenae, Northeast Thailand. *Thai Journal of Agricultural Science* 43: 71-90.
- Thanachit, S.,** A. Suddhiprakarn, I. Kheoruenromne and R.J. Gilkes. 2009. Quartz Sand Grain Size and Surface Morphology in some Tropical Soils. *Thai J. Agric. Sci.* 42: 41-60.
- Thanachit, S.,** A. Suddhiprakarn, I. Kheoruenromne and R.J. Gilkes. 2007. Contents of elements in some flooded soils as related to their origin in Northeast Thailand. *Kasetsart J. (Nat. Sci.)* 41 (5): 34-41.
- Thanachit, S.,** A. Suddhiprakarn, I. Kheoruenromne and R.J. Gilkes. 2006. The geochemistry of soils on a catena on basalt at Khon Buri, Northeast Thailand. *Geoderma* 135: 81-96.
- Thanachit, S.,** A. Suddhiprakarn, I. Kheoruenromne and R.J. Gilkes. 2006. The geochemistry of soils on a catena on sedimentary rock at Nam Phong, Northeast Thailand. *Aust. J. Soil Res.* 44: 143-154.
- Suksawat, N.,** S. Thanachit, S. Anusontpornperm and I. Kheoruenromne. 2010. Effect of tillage and soil amendments on yield of cassava grown on coarse-textured soils. *Proceeding of 36th Congress on Science and Technology of Thailand, 26-28 October 2010, Bangkok International Trade and Exhibition Centre (BITEC), Bangkok, Thailand.*
- Choochat, J.,** S. Thanachit, S. Anusontpornperm and W. Wiriyaakitnateekul. 2010. Properties of residual liming acid sulfate soils in Central Plain, Thailand. *Proceeding of 36th Congress on Science and Technology of Thailand, 26-28 October 2010, Bangkok International Trade and Exhibition Centre (BITEC), Bangkok, Thailand.*
- Thanachit, S.,** S. Anusontpornperm, W. Wiriyaakitnateekul and Irb Kheoruenromne 2009. Mineralogical implication for agricultural uses of soils developed on calcite bearing rocks. *14th International Clay Conference. June 14-20, 2009. Castellaneta Marina, Italy.*
- Thanachit, S.,** I. Kheoruenromne, S. Anusontpornperm, P. Prasertsombut. 2009. Nitrogen loss as affected by tillage methods. *2009. 35th Congress on Science and Technology of Thailand. October 15-17, 2009. Chonburi, Thailand.*

