

2.5 Theses of Graduate and Undergraduate Courses

(1) Doctor's Theses

Subdivision of Plant Ecophysiology

Inoue, T.

Contribution of pre- and post-anthesis assimilates to the grain yield of two wheat cultivars differing in drought resistance

Hattori, T.

Silicon-Induced Enhancement of Drought Tolerance in Sorghum and Its Physiological Mechanisms

Subdivision of Land Conservation

Dehghanisani, H.

Influences of water quality and evapotranspiration on the scheduling of drip irrigation

(2) Master's Theses

Subdivision of Natural Environment

Takagi, K.

Estimation of evapotranspiration using the ratio of actual evapotranspiration to the potential evaporation

Subdivision of Plant Ecophysiology

Hatanaka, T.

Effects of high CO₂ concentration on biomass production of three soybeans cultivars differing in nodule formation

Gama, P.B.S.

Physiological and molecular characterization of common bean (*Phaseolus vulgaris* L.) cultivars for salinity stress

Subdivision of Revegetation and Land Conservation

Sasaki, A.

Effect of different pre-treatment in salt stress on the salt and drought tolerance of Mangrove (*Kandelia kandel* and *Bruguiera gymnorrhiza*).

Tokuyama, C.

Eco-physiological responses of *Populus alba* under different growing habitat.

Subdivision of Land Conservation

Satou, A.

Improvement in Australian acidic sandy soil and red soil with artificial zeolite

Shimura, Y.

Effect of polymeric flocculant on soil erosion

Takahashi, H.

Fundamental study on degradation of biodegradable plastic-mulch by soil microorganisms

Moritani, S.

Soil erosion control in soil bed by revegetation with sedum plant

Yamazaki, S.

Evaluation of subsurface irrigation with saline water at two depths in a sandy soil

(3) Graduation Theses by Undergraduate Students

Subdivision of Natural Environment

Nureki, K.

Effect of Earth-Air exchange on the environmental condition in the greenhouse

Subdivision of Plant Ecophysiology

Kaseda, O.

Photosynthesis of date palm in response to air temperature

Kodama, N.

Photosynthesis of date palm in response to light intensity

Watanabe, M.

Mechanisms of leaf-water-potential maintenance in drought-tolerant sorghum cultivar

Subdivision of Plant Production

Yamabuki, M.

Effects of slow releasing fertilizers on peanut yields

Nakajima, H.

Effects of root zone restriction on pepper growth

Subdivision of Revegetation and Land Conservation

Sasaki, C.

Studies on the drought tolerance of *Quercus* species.

Subdivision of Land Conservation

Okusa, M.

Effect of side dressing for compost on arid land fields