

2.5 Theses of Graduate and Undergraduate Courses

(1) Doctor's Theses

Subdivision of Natural Environment

Abe, Y.

Agrometeorological studies on collecting water from the atmosphere

Subdivision of Water Resources

Regea, M. F.

Soil hydraulic parameters as affected by water application, water quality, and soil properties

Takeuchi, S.

Studies on the application of the sap flow measurement in irrigation management

Wang, S.

Saline-sodic soil reclamation under continuous and intermittent ponding conditions

Subdivision of Plant Ecophysiology

Shimotashiro, T.

Non-destructive measuring method for root system using acoustic emission sensors

Ma, Y.

Striga germination stimulants from nonhost plant tissue cultures

(2) Master's Theses

Subdivision of Natural Environment

Hashizume Kumiko

Change of sand dune agriculture in the Fukube village, Tottori
- Role of scallion production in the use of sand dunes -

Hatsuta Takashi

Evaluation of natural energies based on the meteorological measurement

Matsubara Yuka

Relation between particle distribution of sand and landscape and wind in Tottori Sand Dunes

Tasumi Masahiro

Water balance and return flow in reservoir cascade irrigation system of Sri Lanka

Subdivision of Water Resources

Iwata, S.

Improvement of saline soils in Kazakstan

Fujiwara, Y.

Water and salt behavior in soil

Yasuda, S.

Water and salt balance in irrigated lands with crop rotation system in arid region

Subdivision of Plant Ecophysiology

An, P.

Differences in physiological responses to salinity between two soybean varieties

Kinoshita, H.

Ethylene involvement in *Striga hermonthica* germination

Tsukamoto, K.

Effect of Ca on root elongation of soybean seedlings subjected to NaCl stress

Subdivision of Revegetation and Grassland Development

Fujiki, D.

Seed bank and structure of plant community on sand dunes

Subdivision of Land Conservation

Arai, M.

Hydraulic conductivity of soils with 2:1 and 1:1 clay minerals as affected by water quality under saturated condition

(3) Graduation Theses by Undergraduate Students

Subdivision of Natural Environment

Ushijima Hiroshi

Effect of plants on the microclimate of sand dune

Nakagame Eiko

Microclimate and growth of Azuki bean in the paper mulch cultivation

Subdivision of Water Resources

Ohigashi, S.

Evapotranspiration, water and salt behavior in soil under drip irrigation

Harada, K.

Use of agricultural drainage for irrigation

Subdivision of Plant Ecophysiology

Hibino, A.

Varietal differences of Ca effect on root elongation of soybean seedlings subjected to NaCl stress

Yabuta, S.

Identification of ACC synthase genes expressed in *Striga hermonthica* seedlings

Subdivision of Plant Production

Goto, Y.

Eco-physiological studies on early growth of Casuarina trees

Matsuda, S.

Nutritional effects of several salts on early growth of pakchoy

Yamamoto, S.

Varietal differences among growth responses to soil moisture in young seedlings of pigeon pea

Subdivision of Revegetation and Grassland Development

Nagasaki, Y.

Effect of saline irrigation on the growth of *Machilus thunbergii* Sieb. et Zucc.

Mizobe, T.

Growth of *Salix* species under different water conditions

Subdivision of Land Conservation

Sawada, K.

Effect of sodicity, salinity and soil aggregate on water runoff and soil erosion

Okamoto, T.

Salt accumulation due to evaporation from wet soil surface