

2.4 List of Publications, Presentations and Reports

(1) Publications (Apr.2000-Mar.2001)

Subdivision of Natural Environment

- Okada, S., Matsubara, Y., Otsuki, K. and Kamichika, M. (Jun. 2000) : Relationship between wind environment and grain-size distribution of sand in Tottori sand dune, *Sand dune research*. 47(1) pp. 12-19 (in Japanese with English Summary)
- Gu, S., Otsuki, K. and Kamichika, M. (Sep. 2000) : Albedo characteristics of Tottori sand dune, *J. Agric. Meteorol*, 56(3) pp.217-225
- Tsuji, T., Hayakawa, S., Kamichika, M., Otsuki, K. and Takayama, N. (Dec. 2000) : The properties of turbulence in and above a sorghum canopy with 2nd closure model, *J. Agric. Meteorol*, 56(4) pp.303-310 (in Japanese with English Summary)
- Gu, S., Otsuki, K. and Kamichika, M. (Mar. 2001) : Estimation of daily albedo on Tottori sand surface, *J. Agric. Meteorol*, 57(1) pp.1-10
- Inosako, K., Otsuki, K., Yamada, S., Sakoi, T. and Kamichika, M. (Jun. 2000) : A prediction model for daily gravitational water at a sand dune field, *Bull. Fac. Agric., Tottori Univ*, 53, pp.27-33

Subdivision of Water Resources

- Yano, T. (Apr. 2000) : Water in sand dune, *Sand Dune Research to Pave the Way for the New Century-From the Japanese Sand Dune to Deserts in the World-*, Edited by Japanese Society of Sand Dune Research, Norin-Tokei -Kyokai, Tokyo, pp.42-47 (in Japanese)
- Kitamura, Y. (Apr. 2000) : Prospects of arid land research, *Sand Dune Research to Pave the Way for the New Century-From the Japanese Sand Dune to Deserts in the World-*, Edited by Japanese Society of Sand Dune Research, Norin-Tokei -Kyokai, Tokyo, pp.288-321 (in Japanese)
- Kitamura, Y., Yano, T., Yasuda, S. and Oba, T. (Apr. 2000) : Water and salt behavior in an irrigation block under rice-based cropping system in Central Asia -Research on water management to prevent secondary salinization in arid land (II)-, *Trans. of JSIDRE*, 206, pp.47-56
- Kitamura, Y. (Aug. 2000) : Background of the research “Water balance in an irrigation block under rice-based cropping system in Central Asia”, “Water and salt behavior in an irrigation block under rice-based cropping system in Central Asia”, *Jour. JSIDRE*, 68(8), pp.76-78 (in Japanese)
- Ahmad, N., Awan, Q.A., Sial, J.K. and Kitamura, Y. (Oct. 2000) : Evaluation of irrigation management options for reuse of subsurface low quality drainage water: lysimeter study, *Proc. 2nd Intl. Symp. on New Technologies for Environmental Monitoring and Agro-Applications, Agroenviron 2000, Turkey*, pp.554-560
- Aydin, M., Yano, T. and Kitamura, Y. (Nov. 2000) : The soil as a natural pool to store rainwater, *Proc. of East Asia 2000 Regional Symposium on Rainwater Utilization, International Rainwater Catchment Systems Association, IRCSA, Taiwan*, pp.93-98
- Kitamura, Y., Yano, T., Honna, T. and Yamamoto, S. (Nov. 2000) : Mechanism of salt accumulation in irrigated lands under rice-based cropping system in arid region, *The XIV Memorial CIGR World Congress 2000, Tsukuba, Japan*, pp.233-238
- Kitamura, Y. and Yano, T. (Dec. 2000) : Sustainable development of agriculture for poverty alleviation and food security in Sub-Saharan Africa, *Proc. Intl. Symp. on Role of Arid Land Agriculture for Overcoming Food Deficits in the 21st Century, Tottori*, pp.53-62
- Kitamura, Y. and Yano, T. (Dec. 2000) : Research on water management to prevent secondary salinization in arid land of Central Asia, *Global Environmental Research*, 5(1/2), pp.27-36 (in Japanese)

Subdivision of Plant Ecophysiology

- Babiker, A. G. T., Ma, Y., Sugimoto, Y. and Inanaga, S. (May 2000) : Conditioning period, CO₂ and GR24 influence on ethylene biosynthesis and germination of *Striga hermonthica*, *Physiologia Plantarum*, 109 (1), pp. 75-80
- Tanimoto, E., Fujii, S., Yamamoto, R. and Inanaga, S. (Jun. 2000) : Measurement of viscoelastic properties of root cell walls affected by low pH in lateral roots of *Pisum sativum* L., *Plant and Soil*, 226, pp. 21-28
- Deng, X., San, L. and Inanaga, S. (Jun. 2000) : Diurnal oscillation in the intercellular CO₂ concentration of spring wheat under the semiarid conditions. *Photosynthetica*, 38 (2), pp. 187-192
- An, P., Inanaga, S., Fudal, H. M., Neffati, M. and Mars, M. (Jul. 2000) : Plant indicator for assessment of desertification in rangeland: A case study of some desertified areas in China, Sudan and Tunisia. *Proc. of Symposium on Rehabilitation of Grassland and Control of Desertification in Dry Area*, (Guyuan, China, July 2000), pp. 25-37
- Mine, Y., Inanaga, S., Sakiyama, R. and Saka, H. (Sep. 2000) : Effects of slow sand filtration on mineral and inoculum concentration of nutrient solution in a NFT system, *J. Jpn. Soc. Hort. Sci.*, 69 (3), pp. 323-331 (in Japanese)
- Deng, X., San, L. and Inanaga, S. (Oct. 2000) : Effects of drought environments on the photosynthesis of spring wheat in the semiarid are of Loess Plateau. In "Soil Erosion and Dryland Farming" (J. M. Laflen, J. Tian and C. Fung, eds). CRC Press, New York. pp. 15-24
- Inanaga, S. (Nov. 2000) : Oil crops. In "Crop Science II" (R. Ishii ed). Buneido. pp. 103-135 (in Japanese)
- Sugimoto, Y. (Nov. 2000) : Germination stimulants for the seeds of root parasitic weeds, *J. Pesticide Sci.*, 25 (4), pp. 438-440 (in Japanese)
- Ahmed, N. E., Kanan, H. O., Sugimoto, Y., Ma, Y. and Inanaga, S. (Jan. 2001) : Effect of imidacloprid on incidence of Tomato Yellow Leaf Curl Virus, *Plant Disease*, 85 (1), pp. 84-87
- Kato, M., Takahashi, J., Sugimoto, Y., Kosuge, C., Kishi, S. and Yano, Y. (Feb. 2001) : Selective formation of the integrated stacks of (alpha-diimine)(ethylenediamine) platinum (II) and neutral pi-systems of the phenanthrene-type, *J. Chem Soc., Dalton Trans.*, (5), pp. 747-752
- Furumoto, T. and Sugimoto, Y. (Mar. 2001) : Acutudaurin from cultured roots of *Menispermum dauricum*, *Planta Medica*, 67 (2), pp. 194-195

Subdivision of Plant Production

- Hamamura, K. (Jun. 2000) : Effects of restriction of nutrients and water supply and supplement of calcium and bacteria mixture on vegetables grown in a plastic greenhouse on sandy soil, *Sand Dune Research*, 47(2), pp.20-26 (in Japanese with English summary)
- Hamamura, K. (Jul. 2000) : 3Gs requested for arid land development to researchers in developed countries , *Journal of Arid Land Studies*, 10(2) p.167-170 (in Japanese with English summaries)
- Kinefuchi, S. and Hamamura, K. (Dec. 2000) : Estimation of diurnal change in leaf water potential of melon through leaf greenness, *Jap. J. Crop Sci.*, 69(4), pp.525-529 (in Japanese with English summary)

Subdivision of Revegetation and Grassland Development

- Tamai, S. (Apr. 2000) : Revegetation in Arid Areas, *Sand Dune Research to pave the Way for 21st Century-From Sand Dune to Desert in the World-*, Edited by Japanese Society of Sand Dune Research, Norin-Tokei-Kyokai, Tokyo, pp.273-278 (in Japanese)
- Yamanaka, N. (Apr. 2000) : *Elaeagnus umbellata.*, in CD-ROM book, *Forestry Compendium*, CAB International, Wallingford, UK.

- Yamanaka, N., Wang, L. and Yoshikawa, K. (May 2000) : Microenvironment of safe site for *Sabina vulgaris* Ant. seedlings in the Mu-us desert, Inner Mongolia, China., J. Jpn. Soc. Reveget. Tech 25(4) pp.437-442 (in Japanese with English summary)
- Fujiwara, Y., Yoshida, A., Yamanaka, N., Wang, L., Yoshikawa, K. and Yamamoto, F. (May 2000) : Growth and morphology of *Salix psammophila* planted on the sand dunes of Mu-us desert in Inner Mongolia, China., J. Jpn. Soc. Reveget. Tech. 25(4) pp.431-436 (in Japanese with English summary)
- Yamanaka, N. (June. 2000) : Conservation areas of forest ecosystems in Japan 12 Mt.Daisen., Shinrinkagaku 29 pp.48-51 (in Japanese)
- Yamanaka, N., Imada, M. and Tamai, S. (June 2000) : Effects of sand movement on the seed bank formation and seedling dynamics of *Carex kobomugi* Ohwi., Sand dune research 47(1)pp.1-11 (in Japanese with English summary)
- Matsumoto, K., Hasegawa, H., Yamanaka, N. and Sakai, T. (Dec. 2000) : Discrimination canopy gaps on digital elevation models of canopy surface generated on aerial Photograph. For. Res., Kyoto 72 pp.7-14 (in Japanese with English summary)
- Fujiki, D., Yamanaka, N. and Tamai, S. (Feb. 2001) : Relationship between vegetation types and seed banks on Tottori Sand Dune., J. Jpn. Soc. Reveget. Tech. 26(3)pp.209-222 (in Japanese with English summary)
- Nakamura, H., Yamanaka, N. and Yamamoto, F. (March. 2001) : Distribution and dynamics of *Salix* species along the Sendai River in Tottori Prefecture., Hardwood Research 9 pp.1-19 (in Japanese with English summary)

Subdivision of Land Conservation

- Ikeura, H., Yamamoto, T. and Inoue, M. (Apr. 2000) : Improvement of water application efficiency of small-strip border irrigation on sandy field, Trans. JSIDRE, 206, pp.99-108 (in Japanese with English summary)
- Inoue, M. (Apr. 2000) : Section 3, Soil in sand dune, Sand Dune Research to pave the Way for the New Century - From the Japanese Sand Dune to Desert in the World -, Edited by Japanese Society of Sand Dune Research, Norin-Tokei-Kyokai, Tokyo, pp.48-54 (in Japanese)
- Morii, T., Inoue, M. and Takeshita, Y. (Apr. 2000) : Experimental and Numerical Examination of Theory of the Pressure Infiltration Method, Trans. JSIDRE, 206 pp.19-27 (in Japanese with English summary)
- Morii, T., Inoue, M. and Takeshita, Y. (May 2000) : Determination of field-saturated hydraulic conductivity in unsaturated soil by pressure infiltration method, Proceedings of the Asian Conference on unsaturated soils, pp.445-449
- Takeshita, Y., Morii, T., and Inoue, M. (May 2000) : Inverse analysis of in situ permeability test data for determining unsaturated soil hydraulic properties, Proceedings of the Asian Conference on unsaturated soils, pp.421-426
- Inoue, M. and Takeuchi, Y. (May 2000) : Vegetable cultivation of sand-bed in greenhouse and in sandy field by controlled soil water content, - Development of underground suction gauge and its application - , Agriculture and Horticulture, Vol.75, No.5, pp.600-606 (in Japanese)
- Miyamoto, K., Fujiyama, H. and Yamamoto, T. (June 2000) : The effect of operational practices of agricultural dam on water quality-A case study of the Nishitakao dam in Touhoku national irrigation project- Trans. JSIDRE,207, pp.69-76 (in Japanese with English summary)
- Yamamoto, T., Fujiyama, H., Miyamoto, K. and Hatanaka, J.(June 2000) : Need for countermeasure against algae clogging of filter and emitter in microirrigation system Trans. JSIDRE,207, pp.113-120 (in Japanese with English summary)
- Yamamoto, T.(June 2000) : Sand field irrigation-General remark for water saving irrigation-, Present condition and future prospect of sand field agriculture, the 50th memorial public lecture meeting, the

- Science Council of Japan, Agriculture and Horticulture, 75(6), pp.675-682 (in Japanese)
- Inoue, M., Simunek, J., Shiozawa, S. and Hopmans, J. W. (June 2000) : Simultaneous estimation of soil hydraulic and solute transport parameters from transient infiltration experiments, *Advances in Water Resources*, Vol.23, pp.677-688
- Morii, T., Inoue, M. and Takeshita, Y. (June 2000) : Accuracy of In-situ Permeability Test Using the Pressure Infiltration Method, *Trans. JSIDRE*, 207 pp.29-37 (in Japanese with English summary)
- Wei, J., Yamamoto, T., Inoue, M. and Sakaguchi, I. (Oct. 2000) : Effect of topographic conditions on grass growth and water stress under glasshouse condition, *Trans. JSIDRE*, 209, pp.57-66 (in Japanese with English summary)
- Otsuki, K., Kamichika, M., Urimoto, M., and Inoue, M. (Oct. 2000) : Modification of Microclimate and Soil Moisture by Recycled Paper Mulch in Micro Irrigated Fields, *Proc. 6th Intl. Micro-Irrigation Congress*, PO9, CD-ROM.
- Yamamoto, T. (Nov. 2000): Irrigation, rural and environmental engineering in Chugoku and Shikoku areas, *Chugoku-Shikoku branch of JSIDRE*, pp.27-31 (in Japanese)
- Yamamoto, T., Wei, J. (Jan. 2001): Application of artificial zeolite for sand improvement and sustainable irrigation scheduling, *Jour. HTSJ*, 40(160), pp.12-17 (in Japanese with English summary)
- de Rooij, G. H., Cho, H., Inoue, M. and Toride, N. (Jan. 2001) : Finger Formation and its Relation to Lateral Flow in the Induction Zone, *Proceedings of the 2nd International Symposium* pp.173-176
- Ame-Mensah F., Yamamoto, T. and Inoue, M. (Feb. 2000) : Planning for sustainable agriculture in Ghana using tank irrigation, *Trans. of JSIDRE*, 205, pp.75-84

(2) Presentations (Apr.2000-Mar.2001)

Subdivision of Natural Environment

- Okada, S., Matsuki, R. and Kamichika, M. (Aug. 2000) : Effect of windbreak forest in sand dune to the local meteorology, Proc. of Agricultural Meteorology 2000, pp. 80-81 (in Japanese)
- Otsuki, K. and Kamichika, M. (Aug. 2000) : Seasonal variation of Spectral radiation in Tottori city, Proc. of Agricultural Meteorology 2000, pp. 118-119
- Kamichika, M., Yogi, I., Ito, K. and Iwasaki, M. (Aug. 2000) : On the ability of recycled paper mulching in the plant field of sand dune, Proc. of Agricultural Meteorology 2000, pp. 158-159 (in Japanese)
- Nakamoto, K., Kamichika, M. and Hayakawa, S. (Aug. 2000) : Diurnal variation of CO₂ concentration over the pasture field in sand dune, Proc. of Agricultural Meteorology 2000, pp. 186-187 (in Japanese)
- Nakamoto, K., Kamichika, M. and Yamamoto, T. (Aug. 2000) : CO₂ surroundings in the sandy soil under the condition of mulch covering, Proc. of Agricultural Meteorology 2000, pp. 188-189 (in Japanese)
- Kato, T., Otsuki, K., Kamichika, M. and Ushijima, Y. (Aug. 2000) : Estimation of evapotranspiration from the sparse field of sorghum, Proc. of Agricultural Meteorology 2000, pp. 200-201 (in Japanese)
- Kamichika, M. (Oct. 2000) : Meteorological characteristics of the arid land in China, Proc. of Open Class of Sand Dune Research 2000, pp. 12-27 (in Japanese)
- Kato, T., Ushijima, Y., Otsuki, K. and Kamichika, M. (Aug. 2000) : Estimation of evapotranspiration from the sparse field of sorghum, Proc. of J. Japan Soc. Hydrol. & Water Resour 2000, pp. 12-17 (in Japanese)
- Nakamoto, K., Kamichika, M. and Hayakawa, S. (Nov. 2000) : Variation of CO₂ concentration in the sandy soil covered by the plant in a rainy condition, Agricultural Meteorology of Chugoku and Shikoku 13, pp. 10-11 (in Japanese)
- Ushijima, Y. and Kamichika, M. (Nov. 2000) : Observation of evapotranspiration from the sparse field of sorghum, Agricultural Meteorology of Chugoku and Shikoku 13, pp. 24-25 (in Japanese)
- Kato, T. and Kamichika, M. (Nov. 2000) : Estimation of evapotranspiration from the sparse field of sorghum (2)-Plant growth and accuracy of the model-, Agricultural Meteorology of Chugoku and Shikoku 13, pp. 28-29 (in Japanese)
- Okada, S., Miura, H. and Kamichika, M. (Nov. 2000) : On the classification of plant community using a time variation of spectral radiance, Agricultural Meteorology of Chugoku and Shikoku 13, pp. 60-63 (in Japanese)
- Kamichika, M. (Nov. 2000) : Arid land research and hope on the remote sensing, Proc. of Japan Society of Photogrammetry and Remote Sensing 40(2), p.39 (in Japanese)
- Okada, S., Miura, H., Kageyama, H. and Kamichika, M. (Nov. 2000) : On the classification of plant community using a time variation of spectral radiance, Proc. of Japan Society of Photogrammetry and Remote Sensing, pp. 35-38 (in Japanese)
- Kato, T., Ushijima, Y., Otsuki, K. and Kamichika, M. (Nov. 2000) : Estimation of the evapotranspiration from sparse sorghum fields using the compartment model, Proc. of the XIV memorial CIGR world congress 2000

Subdivision of Water Resources

- Qiu, G. Y., Tobe, K., Shimizu, H., Sase, K., Yano, T., Kitamura, Y. and Ko, E. (Aug. 2000) : Proposal of plant transpiration transfer coefficient on the basis of temperature measurement and its characteristics, Proc. of the Annual Meeting of Japanese Society of Irrigation, Drainage and Reclamation, pp.310-311 (in Japanese)
- Ohigashi, N., Yang, S. L., Yano, T., Kitamura, Y. and Takeuchi, S. (Aug. 2000) : Transpiration of citrus tree under highly saline water, Proc. of the Annual Meeting of Japanese Society of Irrigation, Drainage and Reclamation, pp.312-313 (in Japanese)

- Mizufune, H., Yano, T. and Kitamura, Y. (Aug. 2000) : Reclamation of saline soils by leaching, Proc. of the Annual Meeting of Japanese Society of Irrigation, Drainage and Reclamation, pp.638-639 (in Japanese)
- Tanaka, K., Yano, T. and Kitamura, Y. (Aug. 2000) : Water and salt behavior in soil under subsurface irrigation, Proc. of the Annual Meeting of Japanese Society of Irrigation, Drainage and Reclamation, pp.750-751 (in Japanese)
- Kitamura, Y. and Yano, T. (Aug. 2000) : Measures of irrigation system management to prevent secondary salinization, Proc. of the Annual Meeting of Japanese Society of Irrigation, Drainage and Reclamation, pp.776-777 (in Japanese)
- Akiba, N., Yano, T. and Kitamura, Y. (Aug. 2000) : Impact of sprinkler irrigation on microclimate in plant community, Proc. of the Annual Meeting of Japanese Society of Irrigation, Drainage and Reclamation, pp.804-805 (in Japanese)
- Ahmad, N. and Kitamura, Y. (Aug. 2000) : Evaluation of irrigation management options for reuse of subsurface low quality drainage water: lysimeter study, Year 2000 Proceedings of NDP Arranged Seminar, Sind, Pakistan, pp.27-32
- Chiwaya Regis, Kitamura, Y. and Yano, T. (Oct. 2000) : An overview of the water resources and irrigation sector in Zimbabwe, Proc. of Annual Meeting of JSIDRE, Branch of Chugoku-Shikoku, pp.110-112
- Ohigashi, N., Chikushi, J., Yano, T. and Kitamura, Y. (Oct. 2000) : Measurement of soil moisture by using small TDR probe, Annual Meeting of JSIDRE, Branch of Chugoku-Shikoku, pp.131-132 (in Japanese)
- Kitamura, Y. and Yano, T. (Mar. 2001) : Trend of food production and necessity of irrigation development in Sub-Saharan Africa, Jpn. J. Trop. Agr., Vol. 45, Extra issue 1, pp.99-100 (in Japanese)

Subdivision of Plant Ecophysiology

- Sugimoto, Y., Babiker, H. A. and Inanaga, S. (Apr. 2000) : Biosynthesis of chlorine-containing alkaloids produced by *Menispermum dauricum* root cultures, Annual Meeting of Jpn. Soc. Biosci. Biotech. Agrochem (in Japanese)
- Chae, S.H., Takeuchi, Y., Ogasawara, M., Yoneyama, K. and Sugimoto, Y. (Apr. 2000) : Inhibitory effect of high temperatures on conditioning of *Orobanche minor* seeds, Annual Meeting of the Weed Science Society of Japan
- Chae, S.H., Takeuchi, Y., Ogasawara, M., Yoneyama, K. and Sugimoto, Y. (Apr. 2000) : Recovery from inhibition of conditioning of *Orobanche minor* seeds caused by high temperatures, Annual Meeting of the Weed Science Society of Japan
- Ahmed, N. E., Sugimoto, Y. and Inanaga, S. (Aug. 2000) : Inhibition of *Striga hermonthica* seed germination using *Fusarium solani* extracts, 27th Annual Meeting of the Plant Growth Regulation Society of America
- Sugimoto, Y., Kinoshita, H., Yabuta, S., Inanaga, S. and Itai, A. (Aug. 2000) : Involvement of ethylene biosynthesis in germination of root parasitic weed *Striga hermonthica*, 27th Annual Meeting of the Plant Growth Regulation Society of America
- Ahmed, N. E., Sugimoto, Y., Ma, Y. and Inanaga, S. (Oct. 2000) : Toxins of *Fusarium solani* and their effects on *Striga hermonthica* seed germination, 7th Arab Congress of Plant Production
- Sugimoto, Y., Ahmed, N. E., Yasuda, N. and Inanaga, S. (Oct. 2000) : Germination inhibitors, against the root parasitic weed *Striga hermonthica*, produced by *Fusarium solani*, 35th Annual Meeting of the Jpn. Soc. for the Chemical Regulation of Plants (in Japanese)
- Chae, S., Fujimoto, Y., Yoneyama, K., Takeuchi, Y., Ogasawara, M. and Sugimoto, Y. (Oct. 2000) : Relationships between endogenous ABA and germination of *Orobanche minor* seeds, 35th Annual Meeting of the Jpn. Soc. for the Chemical Regulation of Plants (in Japanese)

- Ma, Y., Inanaga, S., Sugimoto, Y., Babiker, A. G. T., and Ahmed, N. E. (Dec. 2000) : *Portulaca oleracea* L.: *Striga hermonthica* (Del.) Benth. germination induction and potential cash crop for *Striga* infected regions, 16th “Global Environment Tsukuba” Symposium
- Ma, Y., Inanaga, S., Sugimoto, Y., Han, Q., Feng, X., Tian, K., Li, H., Liu, G., Babiker, A. G. T. and Ahmed, N. E. (Feb. 2001) : Induction of *Striga hermonthica* (Del.) Benth. seed germination by Chinese traditional medical herbs, 2001 Meeting of the Weed Science Society of America
- Tanimoto, E., Yamamoto, R., Fujii, S., Inanaga, S. and Sugimoto, Y. (Mar. 2001) : Humidity-modified viscoelastic extensibility of root cell walls, 2001 Annual Meeting of the Jpn. Soc. of Plant Physiologists (in Japanese)
- Sugimoto, Y., Yasuda, N., Inanaga, S., Ahmed, N. E. (Mar. 2001) : Germination inhibitors, against the root parasitic weed *Striga hermonthica*, produced by *Fusarium solani*, Annual Meeting of Jpn. Soc. Biosci. Biotech. Agrochem (in Japanese)
- Sugimoto, Y., Yabuta, S., Kinoshita, H., Inanaga, S. and Itai, A. (Mar. 2001) : Ethylene involvement in seed germination of root parasitic weed *Striga hermonthica*, Annual Meeting of Jpn. Soc. Biosci. Biotech. Agrochem (in Japanese)

Subdivision of Plant Production

- Kondo, K., Ohyama, M., Nishihara, E., Nakata, N. and Hamamura, K. (Sept.2000): A possibility to use photosynthetic bacteria (*Rhodobacter sphaeroides*) treated sugarcane waste water agriculture, Journal of Japanese Society for Horticultural Science, 69 suppl.2, 383. (in Japanese)
- Kondo, K., Arai, T., Ohyama, M., Nishihara, E., and Nakata, N. (Sept.2000): Effects of photosynthetic bacteria (*Rhodobacter sphaeroides*) treated sugarcane waste water on spinach growth, Summary of study meeting on photosynthetic microorganisms, po 5. (in Japanese)
- Ohyama, M., Arai, T., Kondo, K., Hamamura, K., Nishihara, E. (Sept.2000): Effects of photosynthetic bacteria (*Rhodobacter sphaeroides*) treated pulp waste water on Komatsuna growth and on soil properties, Summary of study meeting on photosynthetic microorganisms, po 6. (in Japanese)

Subdivision of Revegetation and Grassland Development

- Yamanaka, N., Sakamoto, K., Zhang, G., Wang, L. and Yoshikawa, K. (Apr. 2000) : Regeneration of *Sabina vulgaris* Ant. in Mu-us desert, Inner Mongolia, China., Proc. of Annual Meeting of The Jap. For. Soc. 2000, p.163 (in Japanese)
- Hasegawa, M., Yamamoto, F., Yamanaka, N., Tamai, S. and Futai, K. (Apr. 2000) :The effect of fertilizer application on mycorrhizal symbiosis of *Pinus densiflora* Sieb. et Zucc. and *Pinus thunbergii* Parl. at a sand dune., Proc. of Annual Meeting of The Jap. For. Soc. 2000, p.284 (in Japanese)
- Matsumoto, K., Hasegawa, N., Takaya, K., Yamanaka, N. and Kawanabe, S. (Apr. 2000) : Discriminate canopy gaps on digital elevation models of canopy surface., Proc. of Annual Meeting of The Jap. For. Soc. 2000, p.500 (in Japanese)
- Wen, G., Sakamoto, K., Ohte, N., Yamanaka, N. and Yoshikawa, K. (Apr. 2000) : Annual changes in ground water level at fixed dunes and inter-dune lowlands in the Mu-us desert, Inner Mongolia, China., Proc. of Annual Meeting of The Jap. For. Soc. 2000, p.541 (in Japanese)
- Ohtomo, J., Futai, K., Kanzaki, N., Yamanaka, N., Tamai, S., Honma, T. and Yamamoto, F. (Apr. 2000) : Do inoculated pine wood nematodes cause pine wilt disease more rapidly in fertilized than in unfertilized *Pinus thunbergii* seedlings?, Proc. of Annual Meeting of The Jap. For. Soc. 2000, p.612 (in Japanese)
- Tamai, S. (Apr. 2000) : Conservation of ecosystems for sand dunes and arid areas in North East Brazil, Present condition and future prospect of sand field agriculture, the public lecture meeting of the Science Council of Japan, pp.2-9 (in Japanese)
- Liu, H., Tamai, S. and Furukawa, I., (Oct. 2000) : The influence on the growth and biomass of *Populus*

- alba* L. under saline irrigation in sandy soil., Proc. of Annual Meeting of Kansai Branch of The Jap. For. Soc., p.36 (in Japanese)
- Okazaki, J., Kodama, S., Yamanaka, N., Hukuhara, T., Umebayashi, M. and Kinoshita, E. (March. 2001) : Sexual expression of angiosperm in Ryukyu Islands., Proc. of Annual Meeting of The Ecol. Soc. Jpn., p.251 (in Japanese)

Subdivision of Land Conservation

- Morii, T., Inoue, M. and Takeshita, Y. (June 2000) : In-situ Measurement of Soil Permeability using Pressure Infiltrometer Method, Proceedings of the 35th Japan National Conference on Geotechnical Engineering, pp.1293-1294 (in Japanese)
- Yamamoto, T., Fujiyama, H., Miyamoto, K., Wen, G., Hatanaka, J. and T. Tsuda(July,2000) : Preventing Algae Clogging of Filter and Emitter in Microirrigation System, Proceedings of American Society Agricultural Engineers, Paper No.00-2190, Milwaukee, Wisconsin, USA, July pp.9-12 (2000)
- Yuya, A., Yamamoto, T., Wen, G. and M. Inoue (Aug. 2000) : Soil erosion control for saline soils by using artificial zeolite, Proc. of Annual Meeting of JSIDRE, pp.524-525 (in Japanese)
- Mori, Y., Nakano, M., Kihara, Y. and Inoue, M. (Aug. 2000) : Development of Solute Transport Monitoring System in a Soil Column, Proc. of Annual Meeting of JSIDRE, pp.612-613 (in Japanese)
- Kimura, M., Toride, N., Cho, H. and Inoue, M. (Aug. 2000) : Calibration of TDR and Four-electrode sensor to measure volumetric water content and electric conductivity using Suction-head Method, Proc. of Annual Meeting of JSIDRE, pp.618-619 (in Japanese)
- Inoue, M., and Dirksen, C. (Aug. 2000) : An Automatically Operated Soil Water Flux Meter of Improved Design, Proc. of Annual Meeting of JSIDRE, pp.636-637 (in Japanese)
- Fujimaki, H. and Inoue, M. (Aug. 2000) : Evaluating Accuracy of Soil Hydraulic Properties Measurement by Multi-step Outflow Method, Proc. of Annual Meeting of JSIDRE, pp.640-641 (in Japanese)
- Kihara, Y., Mori, Y., Inoue, M., Sakaguchi, Y. and Otsuki, K. (Aug. 2000) : Experiment of Water flow and Solute Transport using large column with vegetation, Proc. of Annual Meeting of JSIDRE, pp.704-705 (in Japanese)
- Amu-Mensah, Frederick K. (Aug.2000): Effect of Evapotranspiration Models on Outcome of Tank Irrigation Simulation, Proc. of Annual Meeting of JSIDRE, pp. 742-743
- Wei, J., Yamamoto, T. Inoue, M. and G. Sakaguchi (Aug. 2000) : Effect of topographic conditions on grass growth and water stress under glasshouse condition, Proc. of Annual Meeting of JSIDRE, pp.748-749 (in Japanese)
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