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国際学会発表

- Tajima, R., Hasegawa, T., Nemoto, N., Sakurada, F., Akita, K., Uno, T., Suzuki, K., Ito T., Saito, M., Nishida, M. 2023. Field experiment of organic rice farming in Field Science Center, Tohoku University over ten years. 21th International Symposium of the Integrated Field Science Center/4th International Conference Organic Rice Farming and Production, Sendai (9/Sep/2023)

- Hasegawa, T., Tajima, R., Nishida, M. 2023. Root dynamics in organic rice farming in comparison with conventional farming. 21th International Symposium of the Integrated Field Science Center/4th International Conference Organic Rice Farming and Production, Sendai (9/Sep/2023)

- Suzuki, T., R. Niwa, T. Uno, R. Tajima, T. Ito, S. Sato, H. Hirakawa, S. Yoshida, T. Ezawa, M. Saito. 2019. Effectiveness of AM fungal inoculation on Welsh onion in farmers' fields. 5th Asian Conference on Plant-Microbe Symbiosis and Nitrogen Fixation, Sendai (15–17/May/2019)

- Matsuzaki, W., T. Uno, R. Tajima, M. Saito, T. Ito. 2018. Environment-friendly Rice Cultivation with Reduction of Pesticide and Chemical Fertilizer Usage in Katsurao Village in Fukushima Prefecture, Japan. 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Nakano, Y., W. Matsuzaki, T. Uno, R. Tajima, M. Saito, T. Ito. 2018. The effect of three major insecticides applied in nursery boxes on terrestrial arthropods in paddy fields of Miyagi Prefecture, Japan. 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Ohsima, K., T. Uno, R. Tajima, M. Saito, T. Ito. 2018. Growth medium for seedling production of arbuscular mycorrhizal fungi-based cultivation of Welsh onion. 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Piccolla, C. D., E. H. Novotny, R. Tajima, M. Saito. 2018. Effect of biochar pyrolysed at different temperatures on plant-AM fungi symbiosis in a soil with low 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Sueki, R., T. Uno, R. Tajima, M. Saito, T. Ito. 2018. The relationship between seedling quality and root system of rice seedling in organic farming analyzing with root modeling. 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Suga, K., T. Uno, R. Tajima, M. Saito, T. Ito. 2018. Analysis of differences in rice panicle structure between organic and conventional farmings using image analysis technique. 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Suzuki, T., T. Uno, R. Tajima, T. Ito, M. Saito. 2018. Optimum level of soil available phosphorus for AMF inoculation to Welsh onion in non-allophanic Andosol. 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Suzuki, T., T. Uno, R. Tajima, T. Ito, M. Saito. 2018. Optimum level of soil available phosphorus for AMF inoculation to Welsh onion in non-allophanic Andosol. 6th Symposium on Phosphorus in Soils and Plants, Luvein, Belgium (9–13/Sep/2018)

- Tajima, R. 2018. Root phenotyping with root modeling: towards sustainable rice production. 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Uno, T., R. Tajima, T. Ito, M. Saito. 2018. Effectiveness of winter-flooding in organic rice farming and some relating management practices. 15th International Symposium on Integrated Field Science, Sendai (13-15/Mar/2018)

- Watanabe, T., T. Uno, R. Tajima, T. Ito, M. Saito. 2018. The relationship between deep rooting and nitrate leaching of wheat in subsoil acidity. 15th International Symposium on Integrated Field Science, Sendai 13 - 15 March, 2018.

- Tajima, R. 2017 Phenotyping of root system architecture using root model. 2017 JST International Workshop on Field Phenotyping and Modeling for Cultivation, Tokyo. (8-9/Dec/2017)

- Suzuki, T., T. Uno, R. Tajima, T. Ito, M. Saito. 2017. Optimum level of soil available phosphorus for AMF inoculation to Welsh onion in non-allophanic Andosol. 9th International Conference on Mycorrhiza, Prague. (31/Jul–4/Aug/2017)

- Tajima, R., K. Takahashi, T. Umetsu, T. Ito, M. Saito. 2016. Predicting yield, flowering and harvesting dates of highbush blueberry using temperature data: a case study in Field Science Center of Tohoku University. The 13th International Symposium on Integrated Field Science. Sendai. (10/Mar/2016)

- Saito, M., R. Tajima, S. Uchida. 2016. Possibility of non-nodulating soybean cultivation from the viewpoint of phosphorus resource scarcity. Ecobalance 2016 International Conference, Kyoto, (3-6/Oct/2016)

- Tajima, R., T. Ito, M. Saito. 2015. The evaluation of root system architecture in rice plant using the data of root distribution. Rhizoshere 4, Maastricht, Netherlands. (21-25/Jun/2015)

- Suzuki, T., R. Tajima, S. Hara, T. Shimizu, T. Uno, T. Ito, M. Saito. 2015. Effect of arbuscular mycorrhizal fungal inoculation on the growth of Welsh onion in soil rich in available phosphate, and characterization of indigenous arbuscular mycorrhizal fungi isolated from the soil. 8th International Conference on Mycorrhiza, Flagstaff, Arizona, USA. (3-7/Aug/2015)

- Hara, S., Shimizu, T., Uno, T., Tajima, R., Ito, T., Saito, M. 2014. Phosphorous Uptake via Am Fungi from Phytate in Organic Matter: Possible Involvement of Phytate Degrading Bacteria. 20th World Congress of Soil Science, Cheju, Korea. (8-13/Jun/2014)

- Matsuoka, C., Uno, T., Tajima, R., Ito, T., Saito, M. 2014. Temperature Dependency of Soil Nitrogen Mineralization in an Andosol is Affected by Phosphate Availability. 20th World Congress of Soil Science, Cheju, Korea. (8-13/Jun/2014)

- Hara, S., T. Shimizu, Uno, R. Tajima, T. Ito and M. Saito. 2013. Phosphorus uptake from organic matter via AM fungi -Possible involvement of phyto-degrading bacteria. The 11th International Symposium of Integrated Field Science, Matsushima, Japan. (1-2/Aug/2013)

- Nasukawa H., T. Uno, M. Saito, R. Tajima and T. Ito. 2013. Effects of bottom sediment-like tsunami deposit on soil and paddy rice growth. The 11th International Symposium of Integrated Field Science, Matsushima, Japan. (1-2/Aug/2013)

- Sakurada, F., T. Uno, R. Tajima, M. Saito and T. Ito. 2013. Positive effects of tubificid worms on rice growth and yield in organic farming. The 11th International Symposium of Integrated Field Science, Matsushima, Japan. (1-2/Aug/2013)

- Tajima, R., T. Yamamoto, Y. Omura, Y. Nakai, T. Ito and M. Saito. 2013. Assessment of greenhouse gas emissions of the production and utilization of acidulocompost from fish meal. The 11th International Symposium of Integrated Field Science, Matsushima, Japan. (1-2/Aug/2013)

- Tajima, R., K. Kamo, K. Tsushima, A. Mashiko, T. Ito and S. Saito. 2012. The Dynamics of Paddy Rice Roots in Organic Farming. ISRR2012, Dundee, U. K. (25-30/Jun/2012).

- Tajima, R., K. Tsushima, K. Kamo, T. Ito and M. Saito. 2011. Effect of PolySilicate-Iron sludge on rice roots at organic farming. The JSRR's 20th Anniversary Symposium, Tokyo, Japan. (6/Nov/2011). Root Research 20(5): 195.

- Tsushima, K., T Uno, R. Tajima, M. Saito and T. Ito. 2011. Effect of silicate fertilizer application on growth and yield of organically managed rice. 9th International Symposium on Integrated Field Science, Sendai, Japan. (3/Sep/2011).

- Akita, T., T. Uno, K. Suzuki, R. Tajima, M. Saito and T. Ito. 2011. Aquatic Biota in Winter Flooded Paddy Field with Organic Farming -Case Study in Field Science Center, Tohoku University, Japan-. 9th International Symposium on Integrated Field Science, Sendai, Japan. (3/Sep/2011).

- Tajima, R., T. Ito and M. Saito. 2009. Nitrogen cycle of agricultural system in Field Science Center, Tohoku University. 7th International Symposium on Integrated Field Science, Sendai, Japan. (10-12/Oct/2009).

- Morihara, Y., R. Tajima, J. Abe and S. Morita. 2007. Effect of dual inoculation with Rhizobium and arbuscular mycorrhizal fungi on root morphology and nodulation in peanut (Arachis hypogaea L.) under field conditions. The 6th Asian Crop Science Association Conference, Queen Sirikit National Convention Center, Bangkok, Thailand. (5-9/Nov/2007). Abstracts of 6th ACSC. pp124.

- Tajima, R., J. Abe, A. Lux and S. Morita. 2007. Structure and growth of roots in peanut (Arachis hypogaea L). The 6th Asian Crop Science Association Conference, Queen Sirikit National Convention Center, Bangkok, Thailand. (5-9/Nov/2007).

- Sakaigaichi T. Terajima Y. Sugimoto A. Irei S. Fukuhara S. Matsuoka M. Ujihara K. Abe J. and Tajima R. 2007. Comparison of root distribution and root growth direction in two sugarcane hybrids with contracting tolerance to water stress. Proc. ISSCT. 26: 754-758.

- Sakaigaichi T. Terajima Y. Irei S. Fukuhara S. Ujihara K. Sugimoto A. Abe J. Tajima R. and Matsuoka M. 2006. Estimation of root direction based on growth direction of shoot roots in sugarcane (Saccharum spp. hybrid). ISSCT Agronomy Workshop Abstract Book. p40.

- Tajima, R., S. Morita and J. Abe. 2005. The Different Patterns of Root System Development and Nodulation in Two Leading Cultivars of Peanut (Arachis hypogaea L.) in Japan. International Peanut Congress. Kasetsart University, Bankok, Thailand. (9-12/Jan/2005). Abstracts of International Peanut Congress 2005. pp68-69.

- Tsukamoto, Y., R. Tajima, S.Morita and J. Abe. 2005. The Effects of Phosphorus Deficiency on Growth Angle of 1st-order Lateral Roots in Peanut (Arachis hypogaea L.). International Peanut Congress. Kasetsart University, Bankok, Thailand. (9/Jan/2005-12/Jan/2005). Abstracts of International Peanut Congress 2005. pp70-71.

- Morita, S., J. Abe, S. Furubayashi, A. Lux, R. Tajima. 2004. Effects of waterlogging on root system of soybean. 4th International Crop Science Congress. Brisbane, Queensland, Australia. (26/Sep-01/Oct/2004).

- Tajima, R., S. Morita and J. Abe. 2004. Development of root system in peanut (Arachis hypogaea L.) analyzed by root box method. 4th International Crop Science Congress. Brisbane, Queensland, Australia. (26/Sep-01/Oct/2004).

- Kimura S. D., R. Tajima, K. Schmidthe, K. Yoshida, H. Nakashima and R. Rauber. 2001. Nitrogen balance and time course of soil N uptake and N2 fixation of Phaseolus vulgaris L. and Vigna angularis (Willd.) Ohwi& Ohashi. International Conference on Nature Farming and Ecological Balance Hisar, India. (7-10/May/2001)

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