

PROGRAM

ISCIU7 1st Day (December 3, 2011)

	100
13:00	Opening ceremony
13:30 15:30	<p>Keynote Lecture</p> <p>Strategies for Crop Production under Changing Climate Makie Kokubun <i>Graduate School of Agricultural Science, Tohoku University</i></p> <p>Hydrocarbon-producing algae ~ The most promising feedstocks for biofuel~ Makoto M. Watanabe <i>Graduate School of Life and Environmental Sciences University of Tsukuba</i></p>
	101
15:30 16:15	<p>Poster Session</p> <p>Odd Number of Poster</p>
16:15 17:00	<p>Even Number of Poster</p>
17:00 17:30	<p>Best Poster Award</p>
18:00 20:00	<p>Banquet</p>

ISCIU7 2nd Day (December 4, 2011)

Oral Session Program		
	103	104
11:00	<p>O-101 Application of Some Plant Growth Promoting Rhizobacteria Formula to Stimulate the Growth and Yield of Soybean ○Ni Made Intan Maulina, I Gusti Ngurah Raka, Khamdan Khalimi</p>	<p>O-201 Evaluation on a Novel Technology of Chemical Sand Fixation Based on W-OH ○Weimin GAO, Zhiren WU, Zhishen WU</p>
11:15	<p>O-102 Capability of Endophytic Actinomycetes in Fixing Nitrogen and Their Role in Promoting Rice Seedlings Growth ○ Annisa Paramita Pratyasto, Yulin Lestari, Nisa Rachmania Mubarik</p>	<p>O-202 Mechanical Properties of BFRP Rebars at Elevated and High Temperatures ○Minhang Fang, Zhishen Wu, Shenghu Cao</p>
11:30	<p>O-103 SUSTAINABLE URBAN DEVELOPMENT AND ECO-CITES IN CHINA ○Wengliang Zheng</p>	<p>O-203 Design and Performance Test of Variable Rate Granular Applicatoron Paddy Field in Indonesia ○Pandu Gunawan, Radite P.A.S, I Wayan Astika, Abdul Azis, M. Tahir Sapsal</p>
11:45	<p>O-104 Microplastics accumulation in recreational beaches, Mumbai, India ○H.B Jayasiri, C.S. Purushothaman, A. Vannela</p>	<p>O-204 CHARACTERIZATION AND IDENTIFICATION OF LEGUME NODULATING BACTERIA FROM SEVERAL TROPICAL AGROECOSYSTEMS ○Dinar Mindrati F, Sri Wedhastri, Jaka Widada, Donny Widiyanto, Irfan D. Prijambada</p>
12:00 13:00	<i>Lunch Time</i>	
13:00	<p>O-105 Development and Implementation of E-learning Networks in Samoa ○Edna Temese Ualesi, Vaise Patu, Alno Ualesi, Satoru Ozawa</p>	<p>O-205 DFT Studies on Allene Oxide Synthase ○ Tuanjai Somboon, Matthew Paul Gleeson, Wicha Treesuwan, Jun Ochiai, Seiji Mori, Supa Hannongbua</p>
13:15	<p>O-106 Effects of heat stress on activities and isozymes of antioxidant enzymes of two Kentucky bluegrass cultivars ○Mei Zhang, Zhi-hua Li, Jun Liu, Zhi-min Yang</p>	<p>O-206 Water Quality Monitoring in Tropical Estuarine Waters using Satellite Remote Sensing Data – Case Studies from Sri Lanka ○D.D.G.L. Dahanayaka, H. Tonooka, M.J.S. Wijeyaratne, K.N.S. Warnajith, A. Minato, S. Ozawa</p>
13:30	<p>O-107 Research on the Computation of a Solid Illusion in a Human Brain ○Tatsuya Hoshina, Masanobu Ohtsuki</p>	<p>O-207 BIOMASS AND SUGAR PRODUCTIVITY OF SWEET SORGHUM (<i>Sorghum bicolor</i> (L) Moench) GROWN IN TWO REGIONS WITH DIFFERENT TYPE OF CLIMATE ○Jasman, Irfan D. Prijambada, Donny Widiyanto</p>
13:45	<p>O-108 Fast Position Matching based on Fourier Transform ○Tatsuya Ono, Nobuyuki Umezu</p>	<p>O-208 Accumulation Structure of Reserve Substances in NERICA Brown Rice ○Yukari ISOBE, Youji NITTA, Hisashi URAYAMA, Naomi ASAGI</p>

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	103	104
14:00	<p>O-109 The effect of Nature Farming on nutrient dynamics and soil carbon storage in agro-ecosystem ○Atsushi YAGIOKA, Masakazu KOMATSUZAKI</p>	<p>O-209 Self body strength assessment System based on stable gait pattern indexes ○Kazuki YOSHIDA , Hideyasu SUMIYA</p>
14:15	<p>O-110 Production of Functional Starch Syrup from Purple Sweet Potato (<i>Ipomoea batatas</i>, L.) ○ Viera Theodora Asmara, Titi Candra Sunarti, Erliza Noor</p>	<p>O-210 Research of Under Water Sensing System Using Electrolocation ○Shingo ITO, Yusuke WATANABE, Gaku OYAMA, Akira KURITA, Mikio SAIGUSA</p>
14:30	<p>O-111 Development of portable Spectrometer for Environment monitoring ○ S.H.P.K.Lakesh, D.D.G.L. Dahanayaka, Atsushi Minato, Hideyuki Tonooka, Masanori Itaba, Satoru Ozawa</p>	<p>O-211 Induced Resistance against Scab Disease (<i>Cladosporium cucumerinum</i>) Using Combined Treatment in Cucumber (<i>Cucumis sativus</i> L.) ○Yufita dwi CHINTA, Ani WIDIASTUTI, Shizuka KAWASAKI, Hiromitsu ODANI, ZHOU, Kazuki KANO, Masaru FUKAHORI, Akiko AOKI, Morifumi HASEGAWA, Tatsuo SATO</p>
14:45	<p>O-112 Report of 2011 UK-Japan Cambridge Young Scientist Workshop ○Kawakami Momoka, Komiya Akiho, Suketomo Chihiro</p>	<p>O-212 Isolation and Identification of Lactic Acid Bacteria from Infant Faeces and the <i>in vitro</i> Evaluation as Potential Probiotics Widodo, ○Tiyas Tono Taufiq, Widya Asmara</p>
15:00 15:15	<i>Break Time</i>	
15:15	<p>O-113 Effect of organic hydroponic system to growth of Bok Choy (<i>Brassica rapa</i> var. <i>chinensis</i>) ○Kazuki KANO, Hiroaki, KITAZAWA, Tatsuo SATO</p>	<p>O-213 FUTURE OF NEXT GENERATION DIGITAL VIDEO BROADCASTING ○ Toufiqur Rahman Chowdhury, Sarakar Barbaq Quarmal, M. Khaled Kamal, Satoru Ozawa</p>
15:30	<p>O-114 Genetic Transformation of <i>Jatropha curcas</i> with MmCu/Zn-SOD gene by <i>Agrobacterium tumefaciens</i> LBA4404 ○Anita Theresia, Utut Widyastuti, Suharsono</p>	<p>O-214 Visualization of hydrogen electrolytically charged Aluminum ○ Tomohiro Tsutsumi, Goroh Itoh, Nobuhide Itoh</p>
15:45	<p>O-115 Machine Translation Accuracy Improvement for Ambiguous Words using Location Data ○ISHIGAKI Tatsuya, TAKIZAWA Yozo, OKUYAMA Yasuhiro</p>	<p>O-215 Genetic Structure of Olive Ridelys Turtle (<i>Lepidochelys olivacea</i>) In Nesting Beach of Alas Purwo National Park East Java ○Magri Nora Diantari</p>
16:00	<p>O-116 Computational approach for creating alphabet fonts of early Brahmi inscriptions in Sri Lanka ○Dammi Bandara, Nalin Warnajith, Atsushi Minato, Satoru Ozawa</p>	<p>O-216 Development of Inoculation Methods of <i>Alternaria solani</i> Isolate on Potato Plant (<i>Solanum tuberosum</i> L.) ○Ni Ketut Dewi Sulyati, Langkah Sembiring</p>

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16:15	<p>O-117 Differential Response of Wheat (<i>Triticum aestivum</i> L) Genotypes to High Temperature in Indonesian Low Land Area ○Azis Natawijaya, Trikoesoemaningtyas, Darda Efendi</p>	<p>O-217 A Study of the Actual Condition and the change of the Components in Urban Area ○Masatoshi Kato, Mitsuhiro Saito</p>
16:30	<p>O-118 The Effect of Host-plant Manipulation by Gall-inducing Insect on Other Herbivore: a gall wasp – chestnut system ○ TRIYOGO, Ananto, YASUDA, Hironori</p>	<p>O-218 Physical Identification of <i>Daluang</i> Manuscripts as Durable Writing Material of <i>Cirebon</i> Past Society : A Reflection for Future ○Yeni Budi Rachman</p>
16:45	<p>O-119 Change in the community of associated bacteria with <i>Veronaeopsis simplex</i> in the response of high temperature stress ○Rida O. Khastini, Yoshinori Sato, Hiroyuki Ohta, Kazuhiko Narisawa</p>	<p>O-219 Potency of Antifungal activities of <i>Streptomyces</i> sp. against <i>Fusarium oxysporum</i> the cause of leaf rot disease on <i>Aloe barbadensis</i> Miller in Bali Indonesia ○Retno Kawuri*, Dewa Ngurah Suprpta**, Nitta Youji</p>
17:00	<p>O-120 An Approach to the Actual Use of the Park from the Viewpoint of Universal Design ○ Ayaka Watanabe*, Mitsuhiro Saito</p>	<p>O-220 ICT for Sri Lankan Secondary School Level ○S.P.I.P.Kumara, Nalin Warnajith</p>

Poster Session Program

- P-001 **Effects of chronic taurine administration on behavioral and biochemical analysis in Wistar rats**
○Wataru IIO, Atsushi TOYODA
- P-002 **Characterization of two acetyltransferase genes of the pyripyropene biosynthetic gene cluster from *Penicillium coprobium***
○Jie Hu, Hiroto Okawa, Ayako Furutani, Hiroyuki Anzai
- P-003 **Communication Assistive Eye Control Mouse Driver Use For The GPC**
○Takashi MIYASHITA, Masatoshi IWABUCHI, Hideyasu SUMIYA
- P-004 **Effects of Grinding Fluid Containing Nanocarbon on ELID Grinding**
○Hiraku Nagayoshi, Taisuke Saitou, Nobuhide Itoh, Goroh Itoh, Hitoshi Ohmori, Teruko Kato, Hiroshi Kasuga
- P-005 **ELID grinding characteristics of Ti alloy using electrolyzed reduced water**
○Takashi IDEUE, Nobuhide ITOH, Hitoshi OHMORI, Teruko KATOH, Masayoshi MIZUTANI, Naoshi KONNO, JUN Komotori
- P-006 **Development of cast iron bonded grinding wheel for ELID grinding using SPS method**
○Kazuya Taki, Nobuhide Itoh, Akihiko Nemoto, and Hitoshi Ohmori
- P-007 **Human Kansei on Nature Colors**
○Adilah Binti Sulaiman, Terumi Inagaki
- P-008 ***ent*-10-Oxodepressin, a novel diterpenoid from UV-irradiated rice leaves**
○Yasuno Inoue, Miki Sakai, Yao Qun, Yosuke Tanimoto, Hiroaki Toshima, Morifumi Hasegawa
- P-009 **Lotus: Source of Food and Medicine – Current Status and Future Perspectives in Proteomics Context**
○MORO, Carlo Frederico, YONEKURA, Masami, KOUZUMA, Yoshiaki, RAKWAL, Randeep
- P-010 **A Consideration on Photosensitivity against Blinking Stimulation in Aspect of Evoked EEG Activity - PSE Prevention and Relaxation effect -**
○Yuuki NAKAO, Tomoyuki SHINJI, Hideyasu SUMIYA
- P-011 **A Study on Rapid Pesticide Residue Analysis - Relations between Sample Introduction Conditions and Sensitivity -**
○Noriyuki Maeda, Hiroki Nakanishi, Daisuke Murakami, Naoyuki Sato, Takashi Ikehata
- P-012 **Communication Tool for Families and Housemates**
○Megumi Suto, Masaru Kamada
- P-013 **Development of Islay Pub 2.0 in JavaScript**
○Naoto Takama, Michitoshi Niibori, Shusuke Okamoto, Masaru Kamada, Tatsuhiko Yonekura
- P-014 **A tool for authoring interactive 3D animations in Flash 3D**
○Makoto Rokujo, Michitoshi Niibori, Syusuke Okamoto, Masaru Kamada, Tatsuhiko Yonekura
- P-015 **Development of Virtual Trip Service**
○Hiroki Sakai, Masaru Kamada
- P-016 **Development of indoor human activity measurement system**
○Wu Liang, Sarkar Barbaq Quarmal, Atushi Minato, Satoru Ozawa
- P-017 **Development of a Myriapods Motion Simulator Based on Biological Knowledge**
○Kazutaka Kashimura, Kousuke Inoue

- P-018 **Solution for Alternate Flexion Phenomenon of a Snake-like Robot with Hyper-multiarticular Muscles**
 ○Koudai Mikami, Kousuke Inoue
- P-019 **ICT Developments for Communications Sustainability in Samoa**
 ○Alno Ualesi, Satoru Ozawa, Edna Temese, Vaise Patu
- P-020 **COMPUTATIONAL MODEL OF SOCIAL DECISION MAKING PROCESS**
 ○Sarkar Barbaq Quarmal, M. Khaled Kamal, Masanori Itaba, Atsushi Minato, Satoru Ozawa
- P-021 **Attempt on Generation of a Toda Soliton in Various Model Potential Systems**
 ○Yuto Adachi, Masanori Itaba, Satoru Ozawa, Atsushi Minato
- P-022 **Thermal desorption spectroscopy study in a pure aluminum exposed to heavy water**
 Goroh Itoh, ○Masahiko Nakano
- P-023 **Effect of intermetallic compound particles on the behavior of hydrogen in aluminum**
 ○Takahito Watakabe, Masahiko Nakano, Goroh Itoh
- P-024 **Development of building measurement system using three dimensional solid shape reconstructions**
 ○Hidetoshi Yoshida
- P-025 **Behavior of hydrogen invading a 7075 aluminum alloy affected by second-phase particles**
 ○Hiroaki Hayase, Goroh Itoh
- P-026 **Development of disaster monitoring system using network camera**
 ○Kyohei Komatsuda, Atsushi Minato, Masanori Itaba, Satoru Ozawa
- P-027 **Detection of hydrogen in an Al-Mg alloy by means of hydrogen microprint technique**
 ○Katsuhiro Saitoh, Ryoto Koyama, Tomohiro Tsutsumi, Goroh Itoh
- P-028 **Elucidation of Degrading Mechanism of Tungsten Electrode for Fusing Joining**
 ○Sho Ishii, Goroh Itoh, Shingo Mukae, Nobuhide Itoh
- P-029 **Annealing Behavior of Electrically Conducting Aluminum Wires Containing Zirconium**
 ○Yi Wei, Goroh Itoh, Hiromitsu Kuroda, Toshiyuki Horikoshi, Yuichi Oda
- P-030 **Analysis of the behavior of hydrogen in the vicinity of crack tip in 7075 and 6061 aluminum alloys**
 Goroh Itoh, ○Hideki Iwahashi, Yuji Hatano
- P-031 **Visualization of hydrogen in electrolytically charged SCM435 steel**
 ○Nobuhiro Miyata, Yuya Masuda, Tomohiro Tsutsumi, Goroh Itoh
- P-032 **Development of High Power Wideband Diplexer for ECCD System in Fusion Device**
 ○Sugawara Shuhei, Atsumi Kohei, Yamaguchi Tomoki, Saigusa Mikio, Oda Yasuhisa, Takahashi Koji, Kajiwara Ken, Sakamoto Keishi
- P-033 **Isolation and selection of dark septate root endophytic (DSE) fungi from native Polytrichales in cool temperate broad-leaved deciduous forest**
 ○Genichiro MINAKAWA, Kazuhiko NARISAWA
- P-034 **Proof of “ π is irrational number” With Continued Fractions**
 ○Tetsuya FUKUDA
- P-035 **Recovery of Gonadal Germ Cells(GGCs) from 5, 7 and 9 day-old Chick Embryos using PBS(-) Method**
 ○Yuji UCHIDA

- P-036 **Study on Morphological Changes of Starch Accumulation in Japonica and Indica Rice Grain under High Temperature**
○Muhammad Addip Novianto, Youji NITTA
- P-037 **The Assistance of Community Development Department's SRI Organic Program on PT Medco E&P Indonesia in Suka Makmur Villages Musi Rawas Regency South Sumatera Indonesia**
○Ratih Ineke WATI, Sri Peni WASTUTININGSIH, Alia Bihrajihant RAYA
- P-038 **Performance Evaluation of Blind Channel Shortening Methods for MC-CDMA Systems**
○Mizuki KOTAKE, Teruyuki MIYAJIMA
- P-039 ***In vitro* Analysis of Fungal N₂O Production from No-tilled Upland Soils by Substrate-induced Respiration Inhibition Method**
○Masahiro NARAOKA, Megumi AKAIKE, Yoshinori SATO, Hiroyuki OHTA
- P-040 **Distribution of Lipid as a Resource of Volatile, Especially Lactone, in Peach Flesh at the Different Fruit Growth Stage**
○Hideki NUMA
- P-041 **The Presence of Endobacteria-like Organelles in the Coprophagous Fungal Group**
○Takashi OYADOMARI, Kazuhiko NARISAWA
- P-042 **Development of Eco-Friendly ELID Grinding Wheel using Plant Carbon**
○Shuhei SUGAYA, Nobuhide ITOH, Teruko KATO, Hitoshi OHMORI, Goro ITOH
- P-043 **Comparison of the Photosynthetic Characteristics between a Japanese and a Dutch Tomato Cultivar**
○Isamu KONDO, Mizuki MATSUOKA, Naoya FUKUDA
- P-044 **Selection of the Dark-septate root endophytic fungal isolates from the forest soil in Okinawa**
○Madoka HIGA, Kazuhiko NARISAWA
- P-045 **The effect of organic fertilizer for disease tolerance in vegetable crop**
○Masaru FUKAHORI, Tatsuo SATO
- P-046 **Identification of carbon- and nitrogen-fixing microbes on the early soil ecosystem in the island of Miyake, Japan**
○Momoko Sato, Tomonori Sugawara, Reiko Fujimura, Yoshinori Sato, Takashi Kamijo, Hiroyuki Ohta
- P-047 **Asymmetric Synthesis of Analogs of Flower-Inducing Fatty Acid**
○Shuho Oyama, Shin Shimomura, Morifumi Hasegawa, Hiroaki Toshima
- P-048 **Microstructure of Multi Pass-Friction Stir Processed 7075 Aluminum Alloy**
○Yutaka Matsuda, Goroh Itoh
- P-049 **Effective Data Synchronization Process Based on KISSEL**
○Nalin Warnajith, Gamunu Dassanayaka, D.D.G.L. Dahanayaka, Sarkar Barbaq Quarmal, Vaise Patu, Atsushi Minato, Satoru Ozawa
- P-050 **Isolation and Evaluation of Dark-septate endophytic (DSE) fungi for enhanced plant growth under salt stress**
○Erika USUI, Kazuhiko NARISAWA
- P-051 **Characteristic of Whey Based Kefir and Its Angiotensin-I Converting Enzyme (ACE) Inhibitory Activity**
○A. Febrisiantosa, R.R.A. Maheswari

- P-052 **Torque Requirement Analysis and Design of Edge-cell Type Metering Device for Corn Fertilizer Applicator**
 ○Annisa Nur Ichniarsyah , Wawan Hermawan, Tineke Mandang
- P-053 **SEA-LEVEL CHANGE AND ITS EFFECT TO THE COASTAL CITY *Case Study: Semarang City***
 ○Lalu Atikdar F.H, Vincentius P.Siregar, Ibnu Sofian
- P-054 **Diversity of whiteflies species and their hosts in agricultural plants**
 ○Lia Nurulalia, Purnama Hidayat
- P-055 **Combination of Methanotrophic Bacteria, Nitrous Oxide Reducing Bacteria, and Nitrogen Fixing Bacteria as Biofertilizer of Paddy**
 ○Mafrikhul Muttaqin, Iman Rusmana, Miftahudin
- P-056 **Composting of Water Treatment Sludge with Agricultural Waste**
 ○Novyana Kurniasih, Arief Sabdo Yuwono, Satyanto K Saptomo
- P-057 **Detection of Chilling Injury in Mango Fruits cv. Gedong Gincu by Using Near Infrared Spectroscopy**
 ○Putri Wulandari Zainal, Usman Ahmad, Y Aris Purwanto
- P-058 **The Use of *Cyperus rotundus* L. Allelochemical as Alternatively Bioherbicide for Broad leaf Weed Control**
 ○Yulia Delsi, M. Ahmad Chozin, Sandra Arifin Aziz
- P-059 **Enzymatic Antioxidant Activity and Catalase Isolated in Human Erythrocytes Supplementation with Red Palm Oil**
 ○Zahra Khan, Dahrulsyah, Fransisca Zakaria Rungkat
- P-060 **Screening DSE fungi for plant growth promotion ability under micro aerobic environment**
 ○Yuki KOMATSUZAKI, Wang WEI, Kazuhiko NARISAWA
- P-061 **Biomass circulation system through the biobutanol production from a sugar-rich plant, sweet sorghum**
 ○Miho Kanemoto, M. Habibur Rahman, Yoshinori Sato, Shigeru Chohnan, Youji Nitta, Yasurou Kurusu, Hiroyuki Ohta
- P-062 **Soil bacterial community shift correlated with a primary vegetation succession in fresh volcanic ash deposits of Miyake-jima**
 ○Yong Guo, Reiko Fujimura, Hiroyuki Ohta
- P-063 **Biological control of tomato bacterial wilt disease to use Mushroom compost**
 ○Kou Sotoyama, ○Hiroaki Konno
- P-064 **Assessments of endophytic fungi in infected and non-infected soil with *Fusarium oxysporum***
 ○Rola Mahmoud, Kazuhiko Narisawa
- P-065 **Life cycle and intra-mycelial localization of endobacteria in the fungus *Mortierella elongata***
 ○Ayumu Nishimura, Yoshinori Sato, Hiroyuki Ohta
- P-066 **Microbial Diversity of Tilled and No-Tilled Upland Soils by T-RFLP Profiling**
 ○Akihiro Kawamura, Tomoyasu Nishizawa, Masakazu Komatsuzaki, Nobuhiro Kaneko, Hiroyuki Ohta
- P-067 **Diversity of tetracycline-resistant bacteria in the Lake Kasumigaura basin, Japan**
 ○Tatsuya IMAI, Habibur M. RAHMAN, Hisao KURODA, Hiroyuki OHTA
- P-068 **Effect of copper nonylphenol sulfonate on ammonia-oxidizing archaea and bacteria in soil percolation column**
 ○Shun Iijima, Kei Yamada, Akihiro Kawamura, Tomoyasu Nisizawa, Yosinori Sato, Hiroyuki ohta