

**08 - Soil fertility II**

Chair: Brian Baker Room: YC-303

*Borchert* - Comparison of variable liming strategies in organic farming systems using online pH-measurements

*Hoehne* - Relation between soil structural field parameters and soil physical laboratory measurements

*Paxton* - Practicing Soil Fertility from a Practice Theory Perspective

*Koopmans* - Developing novel farming systems: effective use of nutrients from cover crops in intensive organic farming

**09 - Smallholders II**

Chair: Hyeong-Jin Jee Room: YC-301

*Karandana* - Economic Feasibility of Organic Agriculture for Small Scale Farmers in Sri Lanka

*Liu* - Organizational patterns of small-scale farmers access certified organic agriculture ( COA ) : Cases in China

*Halberg* - Impact of large-scale organic conversion on food production and food security for resource poor farmers

*Sarker* - Organic Agriculture: A Tool for Improving Small Farmers' Livelihood in Bangladesh

*Melvani* - Community Based restoration of the Kalkanna Oya Sub Basin of the Walawe River Watershed in the Lipton's Valley in Sri Lanka - a Landcare Project

**10 - Organic consumers**

Chair: John Paull Room: YC-304

*Heid* - Consumer acceptance of alternatives to piglet castration without anaesthesia in organic farming

*Pearson* - Consumer's beliefs about the contribution from organic food to an environmentally sustainable diet

*Hamm* - Consumer concerns regarding additional ethical attributes of organic food



International Society of Organic Agriculture Research

# ISOFAR Conference programme

**PART I****Thursday, 29.Sept.2011****11:30-16:00****3<sup>rd</sup> Scientific Conference****of****ISOFAR****Namyangju, Republic of Korea**

**Thursday - 29.9.2011**

**9:00 - 11:00**

**OWC Plenary Session**

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**11:30-13:00**

**01 - Croppings systems I**

Chair: Jorgen Olesen Room: YC-202

*Canali* - Conservative cover crop management for weed control in organic zucchini production

*Halde* - Organic no-till agriculture in Western Canada

*Neumann* - Identification of key factors for reducing N and P leaching from organic crop rotations

*Søgaard* - Herbs in high producing grasslands - effect of management

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**02 - Pest and disease management I**

Chair: Charles Ssekyewa Room: YC-302

*Narayanagowda* - Evaluation of locally available natural media substances for the multiplication of bio-control agent

*Tobias* - Organic seed treatment possibilities

*Ghosh* - Efficacy of Biopesticides Against Jassid (*Amrasca biguttula biguttula* Ishideninga) Infesting Ladysfinger

*Fening* - Sustainable management of insect pests of cabbage, *Brassica oleraceae* var. *capitata* L.

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**03 - Soil fertility I**

Chair: Mohamed Ben Kheder Room: YC-303

*Adeoluwa* - Evaluation of the Potential of Feather Meal as Organic Fertilizer in Production of *Amaranthus caudat*

*Pangga* - Indigenous knowledge systems and use of plant resources in managing the fertility of cultivated soil

*Abu Bakar* - Application of oil palm waste-based organic fertilizer in three crop cycles of sweet corn: effects on yield, soil properties and carbon stock

*Matichenkov* - Si fertilization as integral part in sustainable agriculture and organic farming

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**04 - Smallholders I**

Chair: Jang Heo Room: YC-301

*Grasa* - Organic agriculture networks in Argentina. A case study

*Martins de Souza* - Conversion to agro-ecological practices: The case of family farmers, Ubatuba, Sao Paulo, Brazil

*Qiao* - Benefit of organic tea production for small householders

*Kleemann* - Organic Pineapple Farming in Ghana - A Good Choice for Smallholders?

*Melvani* - Report on the Project on Ecological Restoration in Guruhela and Kodayana,

Siyambalanduwa in the Moneragala District of the Uva Province in Sri Lanka

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**05 - Organic consumers**

Chair: David Pearson Room: YC-304

*Hamm* - Consumer views on the new mandatory EU logo for organic food

*Oates* - Defining organic consumers

*Henryks* - Organic Food at the Point of Purchase: the final hurdle

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**14:30 -16:00**

**06 - Croppings systems II**

Chair: Ilse Rasmussen Room: YC-202

*Natarajan* - Bullocks and organic farming in India: A sustainable relationship

*Köpke* - Faba bean (*Vicia faba* L.) response to occasional direct seeding into straw residues in temperate climate

*Anspach* - Opportunities of biogas production in organic farming systems

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**07 - Pest and disease management II**

Chair: Daniel Neuhoff Room: YC-302

*Kwon* - Inhibitory effects of the extract from *Quercus dentata* gallnut against plant virus infection

*Uthairatanakij* - Effect of hot water dipping on disease incidence and marketable quality of organic hybrid muskmelons

*Xu* - Microbial ferments effective in insect and disease controls and nutrient supply in nature farming

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### 17 - Agro-Policy

Chair: Jinyoung Jung Room: YC-304

Fleury - Protecting water quality and organic farming development in France

Lohr - Benefits Associated With Organic Farm Sector Expansion, a Ten-Year Assessment

Smith - Assessing the public goods provided by organic agriculture: lessons learned from practice

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International Society of Organic Agriculture Research

# ISOFAR Conference programme

## PART II

Thursday, 29.Sept.2011  
16:30-19:30

3<sup>rd</sup> Scientific Conference  
of  
ISOFAR  
Namyangju, Republic of Korea



**Thursday - 29.9.2011**  
**16:30-18:00**

### 11 - Organic Rice production

Chair: Sang Mok Sohn Room: YC-202

*Lee* - Effects of Rice-winter Cover Crops Cropping System on the Soil Physical Properties in No-tillage Paddy

*Iwaishi* - Paddy weeds control by “soil breeding” – the weed incidence and its countermeasures in paddy fields

*Kato* - Weed control in organic rice cultivation by applying organic materials such as rice bran

*Kang* - Fertilization Efficiency of Livestock Faeces Composts as Compared to Chemical Fertilizers for Paddy Rice Cultivation

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### 12 - Pest and disease management III

Chair: Charles Ssekyewa Room: YC-302

*Du* - Silicon effectively promote resistance against Pseudoperonospora cubensis infection

*Habiballah* - Effect of powder and aqueous extracts of some plant species on reproduction of M. incognita on tomato

*Rey* - Determination of wheat and cereals cultivars resistance to French races of common bunt

*Hagman* - Organic potato producers should use cultivars resistant to late blight

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### 13 - Soil fertility III

Chair: Chris Koopmans Room: YC-303

*Chirinda* - High root biomass for cereal crops increases carbon sequestration in organic arable systems

*Gattinger* - Carbon levels in agricultural soils under organic and non-organic management – a meta analysis

*Van Eekeren* - Effect of grass-clover on the ecosystem services soil structure maintenance and water regulation

*Wang* - Soil organic carbon and soil biological characteristics of organic and conventional cropping systems with a long-term located monitoring

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### 14 - Organic Consumers

Chair: Ulrich Hamm Room: YC-304

*Kristensen* - Lessons learned from implementing organic food into European school meals

*Løes* - Organic food for the youth – potentials and challenges. Knowledge extracted from the iPOPY project.

*Janssen* - Are consumers willing to pay a price premium for specific organic logos?

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**18:00 -19:30**

### 15 - Cropping techniques wheat

Chair: Sang Mok Sohn Room: YC-202

*Naudin* - New challenges to improve organic bread wheat production in Europe

*Heidari* - Mycorrhizal –wheat symbiosis effects on pigments content and water status parameters of different cultivars under draught stress

*Naudin* - Producing organic wheat with high grain protein content: interests of intercropping and need for diagnostic tools

*Olesen* - Crop rotation and crop management effects on cereal yields in arable organic farming in Denmark

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### 16 - Soil fertility IV

Chair: Timo Kautz Room: YC-303

*El-Araby* - Nutrient balances in different patterns of organic farming in Egypt

*Garro* - Nutrient balance in Agroforestry Systems of organic cacao (Theobroma cacao) in Waslala, Nicaragua

*Han* - A Comparative Study on Soil Quality in Organic and Conventional Tea Fields

*Jung* - Effect of grass filter strips on reducing PO<sub>4</sub> loss in runoff from forage cropland

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16:30 - 18:00

**24 - Food Quality**

Chair: Niels Halberg Room: YC-302

- Köpke* - Product quality of rocket (*Eruca sativa* L.) as a function of light intensity and nitrogen supply
- Kusche* - Differences in milk quality from biodynamic and conventional low- and high-input systems
- Sohn* - Nitrate and Chlorophyll Contents in Organically Cultivated Chinese Cabbage
- Kesarwani* - Influence of nutrient management on the grain quality, cooking and eating quality of rice in Taiwan
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**25 - Soil fertility VI**

Chair: Changbyem Yang Room: YC-303

- Kautz* - Biomass and abundance of the anecic earthworm *Lumbricus terrestris* L. under perennial fodder crops
- Li* - Dynamic changes of soil chemical and biological properties in organic/integrated/conventional vegetable growing systems
- Malayanur* - Phosphatases and Dehydrogenase Activities in Soils as influenced by Soil Depth
- Ben Kedher* - Effects of organic fertilization on soil biological activity under organic farming
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**26 - Farm economics**

Chair: Anne-Kristin Loes Room: YC-304

- Blumenstein* - On the Economics of Organic Grassland and Alternative Bioenergy Systems - A Risk Modelling Approach
- Mogensen* - Producing a local, organic diet gives a healthy, sustainable and more climate-friendly diet
- Lasner* - Ecopreneurship in Aquaculture - The Adoption of Organic Fishfarming Methods
- Bellon* - The drivers of the conversion in organic farming (OF) : a review of the economic literature
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International Society of Organic Agriculture Research

# ISOFAR Conference programme

**PART III****Friday, 30.Sept.2011****11:30-18:00****3<sup>rd</sup> Scientific Conference****of****ISOFAR****Namyangju, Republic of Korea**

**Friday - 30.9.2011**

**9:00 - 11:00**

**OWC Plenary Session**

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**11:30-13:00**

**18 - Organic crops**

Chair: Philippe Fleury Room: YC-202

*Suja* - Organic production of tuberous vegetables for sustainable yield, soil quality and economic returns

*Kim* - Growth and Yield by Planting Distance in Organic and Semi-forced Greenhouse Cultivation of Leaf Perilla

*Olowe* - Yield and yield attributes of sesame (*Sesamum indicum* L.) sown after sunflower (*Helianthus annuus* L.)

*Eagan* - Biochemical Changes, Nitrogen Flux and Yield of Maize due to Organic Sources of Nutrients

*Haase* - Assessing suitability of potato cultivars for organic farming; Nitrogen use, yield potential and weed suppression

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**19 - Weed Management**

Chair: Laslo Radics Room: YC-302

*Melander* - Tools for minimising laborious hand-weeding in row crops

*Rasmussen* - Use of competitive crops to reduce *Cirsium arvense*

*McDonald* - Manure effects on soil salt content and weed populations in organically grown green bean

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**20 - Soil fertility V**

Chair: Hyunkwan Ko Room: YC-303

*Ibrahim* - Effect of IMO and EM technology applications on microbial population and soil nutrient

*Matthews* - Solubilization of insoluble mineral phosphates by bacteria in Malaysian soils

*Malhi* - Relative Effectiveness of Various Amendments in Improving Yield and Nutrient Uptake under Organic

*Matichenkov* - Increasing effect of Si fertilizers on plant drought tolerance: theory and practice

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**21 - Climate change**

Chair: Manyoung Choi Room: YC-301

*Wright* - Feeding the World with a Low Emissions Agriculture - the Story so Far

*Koopmans* - Resilience to a changing climate: carbon stocks in two organic farming systems in Africa

*Seo* - Nitrous oxide emission from livestock compost applied arable land

*Moudry* - Influence of the cultivation technologies on CO<sub>2</sub> Emission

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**22 - Regulations**

Chair: Jürn Sanders Room: YC-304

*Schmid* - Analysis of regulatory framework affecting sensory properties of organic products

*Paull* - The big issue of small matter: Nanomaterials in food and agriculture

*Baker* - Compliance with the New USDA-NOP Pasture Rule

*Schmid* - Farm Animal Welfare legislation and standards in Europe and world-wide – a comparison with the EU re

*Miran* - An Evaluation of the EU new organic import regulation from the perspective of the third country stakeholders

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**14:30 - 16:00 : Poster Session**

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**33 - Research methodology and dissemination II**

Chair: Ilse Rasmussen Room: YC-302

*Okazaki* - Metabolite profiling for the evaluation of organic amendments.*Ortolani* - Italian Network of public experimental sites working on organic farming*Paull* - The Fairtrade movement: Six lessons for the organics sector*Häring* - Lifelong learning in organic agriculture: a degree program for working professionals*Langer* - Comparing farmland biodiversity in organic and conventional farming systems: making sense and including context**34 - Agro-Ecology II**

Chair: Hyesun Bang Room: YC-303

*Bellon* - The relationships between organic farming and agroecology*Halberg* - Use of agro-ecological methods by Asian smallholder farms and relation to organisation of certified*Sharma* - Organic farming for Resource conservation under soybean wheat for rainfed conditions of Himalyas*Palihawadana* - Indicator species to monitor system maturity in organic agriculture**35 - Marketing**

Chair: NN Room: YC-304

*Lohr* - Assessing the Technical and Allocative Efficiency of Marketing Decisions By U.S. Organic Producers*Chen* - Important attributes to pre-purchase evaluation relating to organic food in urban China*Naspetti* - Consumer preferences with respect to innovation in organic baby food in four European Countries*Zanoli* - Consumer attitudes to ethical standards beyond organic guidelines - the example of eggs**16:00 Closing Ceremony**

International Society of Organic Agriculture Research

# ISOFAR Conference programme

**PART IV**

**Saturday, 01. Oct.2011  
11:30-16:00**

**3<sup>rd</sup> Scientific Conference  
of  
ISOFAR  
Namyangju, Republic of Korea**

**Saturday - 01.10.2011**

**9:00 - 11:00**

**OWC Plenary Session**

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**11:30-13:00**

**27 - Organic tomatoes**

Chair: Ravi Sangakkara Room: YC-202

*Varga* - Mulching Method Evaluations in Organic Tomato Production

*Bhat* - Influence of Fertilizer Formulations and Methods of Application in Organic Greenhouse Tomato

*Olabiya* - Effect of bio-fertilization of Trichoderma species on early growth of some tomato cultivars

*Gravel* - Soil salinization of organically-grown greenhouse tomato

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**28 - Research methodology and dissemination I**

Chair: Hyesun Bang Room: YC-302

*Alroe* - Multicriteria assessment and communication of effects of organic food systems

*Bellon* - Identification of research priorities in transnational EU projects in Organic Food & Farming

*Padel* - Technology platform organics: generation and exchange in organic food and farming research

*Rasmussen* - Organic Eprints – making research in Organic Food and Farming more visible

*Bellon* - Thematic and citation structure dynamics of Organic Food & Farming research

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**29 - Agro-Ecology I**

Chair: Daniel Neuhoff Room: YC-303

*Tuomisto* - A Meta-Analysis Comparing Environmental Impacts of Organic and Conventional Farming in Europe

*Qiao* - Life Cycle Assessment of Organic and Conventional Soybean Production in Northeast and Northwest China

*Li* - Analysis on Heavy Metal Concentrations in Organic Production Base of Ili District, Xinjiang Province

*Martins de Souza* - Conversion to agroecological practices: the case of family farmers of Ubatuba, Sao Paulo, Brazil

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**30 - Animal husbandry II**

Chair: Sang-Yip Ohh Room: YC-301

*Kongsted* - Combined pig and energy crop production – crop damage and animal behaviour

*Kotcon* - Effect of protein supplementation of ewes and grazing management on performance of organic lambs

*Bodapati* - Resource requirements for farm conversion to organic livestock farming: A study in India

*Alan Broughton* - Organic Dairy Conversion in South East Australia

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**31 - Farm economics**

Chair: Jongsoo Shin Room: YC-304

*Zanoli* - Non compliance in organic certification: determinants for Italy

*Gambelli* - Modelling risk-based inspections in EU organic certification: data requirements and analysis tools

*Soto* - Environmental and socioeconomic impact of organic coffee certification in Central America as compare

*Stolze* - Costs of certification of organic operators

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**14:30-16:00**

**32 - Organic vegetables**

Chair: Victor Olowe Room: YC-202

*Kim* - Microclimatic Change and Growth Status by soil-covering Material in Organic Garlic Cultivation

*Sangakkara* - Organic pot culture of selected vegetables using compost and a microbial inoculant

*Aiyelaagbe* - Response of greenhouse grown cucumber to organic fertilizer

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