



**INNOWACYJNA
GOSPODARKA**
NARODOWA STRATEGIA SPÓJNOŚCI



UNIA EUROPEJSKA
EUROPEJSKI FUNDUSZ
ROZWOJU REGIONALNEGO



Under the Patronage of His Excellency
Mr. Marek Sawicki
Minister of Agriculture and Rural Development



International Conference on

Innovative technologies in organic horticultural production

Organized in the framework of the research project

EkoTechProdukt



23-24 October 2014, Skierniewice, Poland





Program of the Conference

Thursday October 23rd 2014

Research Institute of Horticulture
Main building of the Pomology Division, Pomologiczna str. 18

9.00 Registration

9.30 - 10.40 Opening Session

Chairman: Franciszek Adamicki

9.30 - 9.45 Welcome statements

Franciszek Adamicki (Director of the Research Institute of Horticulture – Poland)

Zofia Szalczyk (Under Secretary of State, Ministry of Agriculture and Rural Development – Poland)

9.45 - 10.05 Invited speaker: Andrzej Hałasiewicz (Permanent Representative of Poland to FAO – Italy): FAO activities for organic farming.

10.05 - 10.25 Invited speaker: Andre' Leu (IFOAM World President – Australia): Organic Agriculture, innovation and food security in a changing world climate.

10.25 - 10.45 Lidia Sas-Paszt (EkoTechProdukt project leader - Research Institute of Horticulture – Poland): Project achievements - new products and technologies based on microorganisms for the organic fruit production.

10.45 - 13.00 I Session:

Products and technologies for organic horticulture

Chairman: Franco Weibel

10.45 - 11.10 Invited lecture: Nikolay Vassilev (University of Granada – Spain): Beneficial soil microorganisms - a story of successes and challenges.

11.10 - 11.40 Coffee break

11.40 - 12.00 Eligio Malusà (EkoTechProdukt project scientific coordinator – Research Institute of Horticulture – Poland): A new generation of fertilizers and soil amendments for organic horticultural crops.

12.00 - 12.20 Ryszard Hołownicki (Research Institute of Horticulture – Poland): Application methods for bioproducts in organic fruit production.

12.20 - 12.30 Agnieszka Rutkowska (Institute of Soil Science and Plant Cultivation, State Research Institute – Poland): The rules on qualification of fertilizers and soil conditioners for organic production in Poland.

12.30 - 12.40 Edward Someus (Refertil – Sweden): REFERTIL: recycling and economical reuse of concentrated "ABC" Animal Bone biochar, natural organic phosphorous fertilizer in horticulture.



12.40 - 12.50 Kalaji Hazem Mohamed (Warsaw University of Life Sciences - Poland): "Spying" on products quality of organic farming by the use of Chlorophyll a fluorescence technique.

12.50 - 13.00 Discussion

13.00 - 14.00 Lunch Restaurant Finezja, Sienkiewicza str. 2

14.00 - 16.00 II Session:

Plant protection in organic horticulture

Chairman: Marco Fontanelli

14.00 - 14.30 Franco Weibel (Research Institute of Organic Agriculture (FiBL) – Switzerland): Organic fruit crops protection: new approaches and challenges.

14.30 - 14.50 Jolanta Kowalska (Institute of Plant Protection, National Research Institute – Poland): Can microorganisms be useful in the protection of crops?.

14.50 - 15.05 Ewa Matyjaszczyk (Institute of Plant Protection, National Research Institute – Poland): Qualification of plant protection products for use in organic farming in Poland.

15.05 - 15.20 Cezary Tkaczuk (Siedlce University of Natural Sciences and Humanities – Poland): Potential of entomopathogenic fungi in biological control of insect and mite pests in organic horticultural production.

15.20 - 15.35 Barbara Łabanowska (Research Institute of Horticulture – Poland): Possibility to control the mites (Tetranychidae and Eriophyidae) on small fruits plants and in orchards with no chemicals products.

15.35 - 15.50 Piotr Sobiczewski (Research Institute of Horticulture – Poland): Physical and biological methods for the control of soil-borne harmful organisms in organic farming.

15.50 - 16.00 Discussion

16.00 - 16.15 Coffee break

16.15 - 17.00 Special session:

Newly developed products

Chairman: Nikolay Vassilev

16.15 - 16.25 Selma Rogalska (Lallemand Care - France): New products based on microorganisms for the biological control of *Botrytis cinerea* and the growth promotion of horticultural plants.

16.25 - 16.35 Martin Bagar (Biocont Laboratory – Czech Republic): A plant resistance improver as a part of apple scab control in organic and integrated production.

16.35 - 16.45 Efrén Remesal González (Agroindustrial Kimatec S.L. – Spain): An unique and innovative product based on mycorrhizal fungi.

16.45 - 16.55 Marcin Oleszczak (Kazgod – Poland): The search for new opportunities in the protection of horticultural plants.

16.55 - 17.00 Discussion



17.00 - 18.25 III Session:

Health effects and safety aspects of organic products

Chairman: Claudia Marques dos Santos Cordovil

17.00 - 17.30 Invited lecture: Margit Laimer (University of Natural Resources and Life Sciences – Austria): Functional genomics of allergen gene families in fruits.

17.30 - 18.00 Dariusz Nowak (Medical University of Łódź - Poland): Effect of organic fruits on human metabolism and health.

18.00 - 18.15 Magdalena Jasińska-Stroschein (Medical University of Łódź - Poland): Assessment of allergenicity risk of selected fruits (apple, strawberry, sour cherry) using the experimental guinea pig model.

18.15 - 18.25 Discussion

**18.30 - 19.00 Poster session - Reymonta str. 18,
Training and Conference Centre**

Chairman: Dariusz Nowak

19.30 Dinner – Restaurant Dworek, Józefa Piłsudskiego str. 24

Friday October 24th 2014

Research Institute of Horticulture

**8.30 - 9.30 Poster session - Reymonta str. 18,
Training and Conference Centre**

Chairman: Dariusz Nowak

Main building of the Pomology Division, Pomologiczna str. 18

9.30 - 11.35 IV Session:

Quality and economics of organic products

Chairman: Margit Laimer

- 9.30 - 10.00 Invited lecture: Claudia Marques dos Santos Cordovil (University of Lisbon – Portugal): The role of organic farming in Portuguese agriculture: From where we stand to where we go.
- 10.00 - 10.20 Krzysztof P. Rutkowski (Research Institute of Horticulture – Poland): A comparison of quality of fruits produced under organic and integrated production.
- 10.20 - 10.40 Krzysztof Zmarlicki (Research Institute of Horticulture – Poland): Opportunities and challenges for the organic production of fruits in Poland.
- 10.40 - 10.55 Michał Rzytki (Ministry of Agriculture and Rural Development - Poland): The Framework Action Plan for organic food and farming in Poland for the years 2014 – 2020.
- 10.55 - 11.10 Maciej Zalewski (Polish Academy of Sciences/University of Lodz – Poland): Integrative environmental science as a framework for development of organic horticulture, enhancement of ecosystem services and sustainable future.
- 11.10 - 11.25 Artur Miszczak (Research Institute of Horticulture – Poland): Monitoring of pesticides residues in horticultural organic products.
- 11.25 - 11.35 Discussion
- 11.35 - 12.00 Coffee break

12.00 - 14.20 V Session:

Agrotechnical management of organic horticultural crops

Chairman: Andre Leu

- 12.00 - 12.30 Invited lecture: Marco Fontanelli (University of Pisa – Italy): Innovative methods for soil management in organic horticulture.
- 12.30 - 12.50 Zygmunt Grzyb (Research Institute of Horticulture – Poland): Comparison of apple and sour cherry maidens fertilized with mineral and organic fertilizers in organic nursery.
- 12.50 - 13.10 Elżbieta Rozpara (Research Institute of Horticulture – Poland): The organic fruit production in Poland - chances and limitations.



- 13.10 - 13.25 Ewa Solarska (University of Life Sciences in Lublin - Poland): Biological agents enhancing soil fertility and plant resistance.
- 13.25 - 13.40 Grzegorz Doruchowski (Research Institute of Horticulture – Poland): Effect of the sprayer operating parameters on the survival rate of rhizobacteria used as biopesticides in organic fruit production.
- 13.40 - 13.55 Mirosław Sitarek (Research Institute of Horticulture – Poland): Effect of some bioproducts on apple tree growth in rhizoboxes.
- 13.55 - 14.10 Iwona Szot (University of Life Sciences in Lublin - Poland): Alternate thinning of apple with potassium bi-carbonate (Armicarb™) in organic orchards.
- 14.10 - 14.20 Discussion
- 14.20 - 14.45 Closing session:
Summary and prizes awards
Chairmen: Lidia Sas-Paszt and Eligio Malusà**
- 14.45 - 15.45 Lunch - Restaurant Finezja, Sienkiewicza str. 2
- 16.00 - 17.00 Visit to the Institute premises (booking required)