



Program

Symposium

AGROBIODIVERSITY ALONG THE VALUE CHAIN

December 4th - December 6th 2023



Monday 4-12-2023

- 8h30 Registration and Welcome
- 9h30 Introduction, Prof. Geert Haesaert-Chairman (Ghent University)
- 9h45 Prof. Johan Six (ETH-Zürich): 'Agrobiodiversity from a global perspective'
- 10h30 Prof. Carl Lachat (Ghent University): 'Agrobiodiversity in diets'
- 11h00 Q&A
- 11h15 Prof. Andreas Börner (IPK-Gatersleben): 'Genebanks, a reservoir for increasing agrobiodiversity'
- 12h00 Q&A
- 12h15 Lunch
- 13h30 Panel discussion with actors along the value chain (farming, breeding, milling, seed cleaning, food technology, food safety)
- 14h30 Oral session - Agrobiodiversity: the challenges and opportunities for socio-economic sciences

Oral presentations

Profiling potential consumer markets for neglected and underutilized crops, Simoun L. Bayudan, (Belgium)

Recording consumers' awareness and attitudes towards a more diverse agro-food system, K. Mattas (Greece)

GO CROPDIVA: Optimising agro-ecological adaptation to mitigate global climate change, E.J. Stevens (New Zealand)

Flash talks (about poster)

Constraints to crop diversity in value chains: a case of underutilised crops in Germany, Irina Solovieva (Germany)

Intercropping in Denmark: A food system perspective, Tiffanie F. Stone (Denmark)

Cooperative agricultural products for sustainable local areas, ecosystems and biodiversity, P. Sergaki (Greece)

- 16h00 Coffee break

16h30 Oral session - The impact of cropping systems on agrobiodiversity

Oral presentations

Is "regeneration" possible? Determining the drivers of plant diversity in cocoa production systems in West and Central Africa, Calum Maney (The Netherlands)

Weeds, insects, and agricultural biodiversity in intercropping systems, René Gislum (Denmark)

The trade-offs of using annual plant communities as field margins to deliver single or multifunctional ecosystem services in both the UK and Serbia, Todd Jenkins (UK)

Chickpea as a means to expand crop rotation in Flanders, Sofie Waegebaert (Belgium)

Tuesday 5-12-2023

8h30 Oral session - Food and feed technology, drivers of change on agrobiodiversity

Oral presentations

FT-IR analysis of protein secondary structure of high-moisture extrudates from fava bean, Clara Barnés-Calle (Spain)

Development of LC-MS/MS method to determine vicine and convicine in faba-bean retail food samples, Sylvia Kalli (The Netherlands)

Amino acid and sensory profile of faba bean and lupin based spreads, Jelena Tomić (Serbia)

Evaluating sensory aspects of innovative food dish prototypes and recipes incorporating underutilized ingredients, Marija Knez (Serbia)

Flash talks (about poster)

The potential of different microgreens as novel food sources - their antioxidant and pharmaceutical activity, Anja Saveljić (Serbia)

Generic framework to assess food safety hazards from changes in the primary production, Sylvia Kallia (The Netherlands)

Optimisation by MRS of oat liquefaction process for subsequent Spray Drying, Marc Piella-Rifà (Spain)

Utilising nutritional characteristics of overlooked plants within agrobiodiversity to address diverse nutrition and food security goals, Marija Knez (Serbia)

Molecular characterization for the valorisation of minor crops, Davide Emide (Italy)

10h30 Coffee break

10h45 Oral session - The impact of cropping systems on agrobiodiversity

Oral presentations

Optimisation of faba bean intercropping systems, Jonas Claeys (Belgium)

Feasibility of pulse-oat mixed cropping systems for commercial agricultural production: First conclusions of a two-year, multi-site study in Switzerland, Yannik Schlup (Switzerland)

Mixed intercropping between four lentil and three hull-less barley varieties: Performance under Swiss climatic conditions, Filippo Carmenati (Switzerland)

Enhancing intercropping efficiency in Mediterranean climates, Davide Gulino (Spain)

Legumes and their pivotal role in sustainable agroecosystems, Inge Speeckaert (Belgium)

Use of intercropping with oats and hulless barley to support pea production, Edward Dickin (UK)

13h00 Lunch

14h00 Poster session

Flash talks (about poster)

Effect of type of cropping of oat with protein crops on (anti)-nutritional quality, Nathalie Bernaert, (Belgium)

GOOD-Agroecology for Weeds: a European project for the promotion of agroecological weed management, Wouter Maes (Belgium)

Scaling agroecological processes in mixed crops to the farm level: the CropMix approach, Ana Ernst (The Netherlands)

- Attractiveness of different plant species and communities to pollinators, Filip Franeta (Serbia)*
Potential of yield differential compensation between pure stands and under intercropping, Vesna Župunski (Serbia)
The effect of diversified cropping systems on the presence of pollinators, Greet Verlinden (Belgium)
Winter legume-cereal intercropping: a sustainable way to increase agroecosystem resilience, Riccardo Zustovi (Belgium)
Attracting natural enemies: the use of banker plants in Brussels sprouts, Bram Vanthournout (Belgium)
- 15h30 Visit + Conference dinner in Bruges

Wednesday 6-12-2023

- 8h30 Oral session - Genetics: How they shape agrobiodiversity?

Oral presentations

- Genetic mapping of the powdery mildew resistance gene Pm13 on oat chromosome 1D, Selma Schurack (Germany)*
Evaluation of naked (hullless) barley accessions for future breeding of healthy food barley for Europe, Edward Dickin (UK)
Genetic and phenotypic diversity of triticale in relation to yellow rust resistance, Riccardo Zustovi (Belgium)
Healthy Oats- using oat biodiversity in new products with enhanced nutrition, Catherine Howarth (UK)

Flash talks (about poster)

- Unveiling the Potential: Agrobiodiversity Enhancement via Intercrop Breeding, Reena Dubey (Belgium)*
Characterization of buckwheat (Fagopyrum sp.) collection in Serbia, Vladimir Sikora (Serbia)
Outbreak of yellow rust on triticale in Serbia, Radivoje Jevtić (Serbia)
Performance of 280 triticale cultivars in a two-year field trial in Serbia, Milan Miroslavljević (Serbia)
An inventory of hexaploid oat genes and QTL: Powdery mildew resistance as a use case, Charlene P. Wight (Canada)
Exploitation of genetic diversity of spring hull-less barley in a field trial in Serbia, Ljiljana Brbaklić (Serbia)

- 10h30 Coffee break + poster session

- 11h00 Oral session - The impact of cropping systems on agrobiodiversity

Oral presentations

- Effects of chloropicrin fumigation and azoxystrobin application on ginger growth and soil phosphorus availability, Yan Wang (The Netherlands)*
Faba bean – triticale mixed intercropping, an interesting source of provisioning and regulating services, Sofie Landschoot (Belgium)
Quantifying the mechanisms of weed suppression in cereal-legume intercrops, David Kottelenberg (The Netherlands)
Optipluim – Optimal cultivation of protein crops for poultry feed, Joos Latré (Belgium)
Mixed intercropping of faba bean and triticale: what happens in the soil ? Greet Verlinden (Belgium)

- 12h30 Closing session

- 13h00 Lunch

Visit the symposium website on www.cropdivasymposium.eu.



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