

ONLINE International Conference on BREEDING AND SEED SECTOR INNOVATIONS FOR ORGANIC FOOD SYSTEMS

by EUCARPIA

Section Organic and Low Input Agriculture
jointly with LIVESEED, BRESOV, ECOBREED,
FLPP projects and ECO-PB

08-10 March 2021
online from Latvia



POSTER PRESENTATIONS

MONDAY, MARCH 8TH 2021

12.30 – 13.15 **Breakout Room 1**

Session 1. EXPLORING UNDERUTILIZED GENETIC RESOURCES (moderated by Ferdinando Branca)

- P1 P. PEREIRA et al. – Intercropping maize and cowpea as a sustainable technique to adapt the production to climate change in Portugal
- P2 J. ALKEMADE et al. – GWAS to identify loci conferring resistance to anthracnose in white lupin
- P3 A. AKSOY et al. – Selection of advanced lines from onfarm- conserved durum wheat landraces for rainfed condition of Turkey
- P4 C. JONAK – UNTWIST - uncover and promote tolerance to temperature and water stress in *Camelina sativa*
- P5 H. BEN AMMAR et al. – Comparison of biochemical profile and antioxidant capacity among Tunisian and Italian cultivars of cauliflower
- P6 F. BRANCA et al. – Exploitation of *B. Oleracea* complex species (n=9) for increasing the resistance to *Xanthomonas campestris* pv. *Campestris* in the related crops
- P7 R. RUIZ DE ARCAUTE – Behavior of a wheat landraces collection from Basque country face tobunt infection (*Tilletia caries*) in organic field trials
- P8 J. FEHÉR et al. – On-farm testing of emmer and einkorn landraces under organic conditions in Hungary and the Slovakian upland
- P9 S. ZUTE et al – Productivity of soybean varieties in organic cultivation practice in Latvia
- P10 A. PEREIRA et al. – Evaluation of 50 Portuguese landraces, open-pollinated populations and composites of maize (*Zea mays* L.) in low input organic system versus conventional in Portugal

12.30 – 13.15 **Breakout Room 2**

Session 3. BREEDING FOR CULINARY AND NUTRITIONAL QUALITY (moderated by Edith Lammerts van Bueren)

- P22 A.M. RIBES-MOYA et al. – Effect of the ripening stage and the growing system on the content of main flavonoids in peppers
- P23 M. DI BELLA et al. – Nutraceutical traits and sensory proprieties of “ciurietto” (*Brassica oleracea* var *Botrytis* x *Brassica oleracea* var *Italica*)

- P24 P. M. BREZEANU et al. – Nutritional and culinary value of some improved pepper genotypes (*Capsicum annuum*)cultivated in ecological system
- P25 F. HANOVER, P. MENDES MOREIRA et al. – Exploring Portuguese maize landraces as fresh maize

18:15 –
19:15

Breakout Room 1

Session 2. BREEDING FOR DIVERSITY (moderated by Pedro Mendes Moreira)

- P11 C. GRIEDER et al. – Selecting forage legumes for use in mixture with grasses
- P12 K.J. MUELLER – Which morphological types are needed for organic mixed cropping of triticale with winter pea?
- P13 C. SANTOS et al. – Organic breeding for diversity exploring *Brassica* germplasm – Portuguese case study
- P14 J. BACANOVIC-SISIC et al. – Network-based GWAS revealed several candidates of genomic regions associated with rase-specific resistances to common bunt (*Tilletia caries*) in wheat
- P15 P. MIKÓ et al. – Selection of winter cereals for cereal-pea mixtures to improve biodiversity and LER
- P16 L. LEGZDINA et al. – Agronomic performance of heterogeneous spring barley populations
- P17 L. RĀBANTE et al. – Identifying nitrogen-efficient potato genotypes for organic farming using canopy development and yield parameters
- P18 V. STRAZDINA et al. – Evaluation of wheat composite cross populations under organic farming system
- P19 P. ANNICCHIARICO et al. – Broadening and exploiting the genetic base of white lupin
- P20 W. VOGT-KAUTE et al. – Perennial cereals for organic agriculture
- P21 N. MOUTIER – Varietal key-traits to optimise agronomic performance of winter wheat - pea mixtures
- P49 J. PROHENS – Selection and breeding of tomato for organic conditions

TUESDAY, MARCH 9TH 2021

14:15 –
15.00

Breakout Room 1

Session 4. LIVING SOIL - PLANT INTERACTION (moderated by Gabriele Berg)

- P26 S. LEMICHEZ – Drivers of endospheric root microbiota assembly of on-farm selected tomato inagroforestry
- P28 S. TRECCARICHI et al. – Effect of organic matter, microorganisms and amino acids in organic production of tomato fruits
- P29 N. ORTEGA-ALBERO et al. – Preliminary studies on gene expression in *Capsicum* peppers roots in response to phosphorus deficiency

14:15 –
15.00

Breakout Room 2

Session 5. ORGANIC PRODUCTION OF HIGH QUALITY & HEALTHY SEED (moderated by Frederic Rey)

- P30 S. KLAEDTKE et al. – Boosting common bunt management in Europe
- P33 A. BORGEN et al. – Vinegar seed treatment to control common bunt in wheat
- P32 A. BORGEN et al. – Yield potential in organic and conventional cereal seed
- P31 L. VOJEVODA – Suitability of potatoes varieties and breeding clones for organic farming in north Courland region of Latvia
- P34 G. MALGIOGLIO, S. TRECCARICHI et al. – Effects of microorganisms and amino acids on organic seeds production of tomato (*Solanum lycopersicum*) in Mediterranean climatic conditions
- P35 H. SCHARPENBERG – The cell fusion-free vegetable list helps organic farmers to find suitable cultivars

17:35 –
18:35

Breakout Room 1

Session 6. MULTI-ACTOR & PARTICIPATORY APPROACHES (moderated by Veronique Chable)

- P36 E. LAMMERTS van BUEREN et al. – A postgraduate course on participatory plant breeding and resilient seed systems: collaborative design, implementation, and resulting experiences
- P37 P. KEIJZER et al. – Participatory potato breeding in the Netherlands: the BIOIMPULS project

- P38 F. VAN MALLAND – Participatory research into the quality of vegetables in organic farming
- P39 G. DE SANTIS et al. – Beyond the yield driven strategy: breeding for specific adaptation in organic rice in Italy
- P40 C. MALLOR et al. – Ambassadors of biodiversity: a participatory project to valorize traditional seeds
- P41 H. WOLTER et al. – The promise of commons for the organic breeding sector: conceptualizing seedcommons
- P42 A. BORGEN – Landsorten - an organic seed system without seed company
- P43 L. FONTAINE et al. – Designing varietal evaluation systems for organic farming: a multi-actor approach
- P44 P. MIKÓ et al. – On-farm comparison of trials based on different plot sizes to help farmers' wheat cultivar choice
- P45 S. BENCZE et al. – Introduction of participatory breeding practices in Hungary – a case study
- P46 A. PEREIRA et al. – Maize participatory breeding in Portugal - germplasm evaluation

WEDNESDAY, MARCH 10TH 2021

12:30 –
13.00

Breakout Room 1

Session 7&8. **SOCIO-ECONOMIC, MARKET AND CONSUMER ASPECTS OF SEED SYSTEMS** (moderated by **Stefano Orsini**),

Session 10. **SUSTAINABILITY** (moderated by **Giuseppe Timpanaro**)

- P47 L. MELOMEY et al. – Analysis of vegetables seed systems in Ghana
- P48 G. TIMPANARO et al. – Assessment of broccoli (*Brassica oleracea* var. *Italica*) seed production for the achievement of sustainable development