

The Frontiers of Science and Technology in Crop Breeding and Production

June 8th, 2021.

9:00 - 9:20	Dr. Nenad Delić	Conference opening remarks
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Genetic resources and prebreeding

9:20 - 9:40	Dr. Alain Charcosset	Advances in maize genetic resources characterisation and use
9:40 - 9:55	Dr. Vlatko Galić	Diversity patterns and selective sweeps in Southeast European maize genetic resources
9:55 - 10:10	Dr. Natalija Kravić	Pre-breeding activities on MRIZP Gene bank collection towards its more efficient use in breeding programmes
10:10 - 10:25	Dr. Nikola Grčić	Historical development and diversity characterization of ZP breeding germplasm
10:25 - 10:40	Dr. Vesna Perić	Genetic diversity of soybean accessions in Maize Research Institute „Zemun Polje“ collection

Discussion

Abiotic and biotic stress

11:30 - 11:50	Dr. Pedro Revilla	Breeding Mediterranean maize for drought tolerance
11:50 - 12:10	Dr. Dragan Perović	Comparative genomics of cereals as backbone of molecular breeding to biotic and abiotic stresses in wheat and barley
12:10 - 12:25	Dr. Ana Nikolić	Understanding low- temperature and waterlogging stress impact on early stages of maize plant development
12:25 - 12:45	Dr. Antonio Logrieco	Mycotoxin management along food/feed chain: <i>MycoKey actions</i>
12:45 - 13:00	Dr. Milica Nikolić	Effects of climate changes on mycopopulations in cereal grain in Serbia
13:00 - 13:15	Dr. Željko Popović	Not just a pest: <i>Ostrinia nubilalis</i> – A Model system for studying ecophysiology of insect diapause

Discussion

Genetics and breeding

16:00 - 16:20	Dr. Paul Scott	Using gametophytic incompatibility systems to improve genetic purity of specialty crops
16:20 - 16:40	Dr. Thanda Dhliwayo	Use of temperate germplasm in a tropical maize breeding program: Rationale and some results
16:40 – 17:00	Prof. Dr. Thomas Lübberstedt	Past, present and future of maize doubled haploid technology
17:00 – 17:20	Prof. Dr. Seth Murray	Unoccupied aerial systems temporal phenotyping and phenomic selection for maize breeding and genetics
17:20 - 17:40	Dr. Radomir Stojšin	Breeding for Short Stature Maize

Discussion

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June 9th, 2021.

Genetics and breeding		
9:00 - 9:20	Dr. Lee Hickey	Speed breeding crops to feed 10 billion
9:20 - 9:35	Dr. Primož Titan	Conditional chemical male sterility system and common wheat (<i>Triticum aestivum</i> L.)
9:35 - 9:50	Dr. Vesna Kandić	Evaluation of bread wheat genotypes (<i>Triticum aestivum</i> L.) for root architecture and shoot traits
9:50 - 10:10	Dr. Goran Drinić	Utilizing technological advances to improve and accelerate genetic gain
10:10 - 10:25	Dr. Sofija Božinović	Optimization of the double haploid technology for temperate maize breeding programs: A case study from Maize Research Institute Zemun Polje
10:25 - 10:45	Prof. Dr. Johann Vollmann	Hyperspectral reflectance as a new phenotyping tool for soybean breeding
Discussion		
Food, feed and nutrition		
12:00 - 12:15	Dr. Valentina Nikolić	Crop that feeds the world: Maize as an environmentally significant source of food, feed & energy
12:15 - 12:30	Dr. Marija Kostadinović	Adapted quality protein maize for broiler feeds
Discussion		
Seed science		
12:40 - 13:00	Dr. Florina Palada	From seed science to rules for testing, the role of ISTA
13:00 - 13:15	Dr. Tanja Petrović	High quality seed as the ultimate goal
13:15 - 14:00	Dr. Viktoriia Semenova	Breeding and seed production of hybrid corn for soil and climatic conditions of Eastern Europe and Central Asia in company Mais, Dnipro, Ukraine
Discussion		
Crop production		
16:00 - 16:20	Prof. Dr. Josef Soukup	Recent developments in herbicide resistance in crop rotation with cereals
16:20 - 16:35	Dr. Milena Simić	IWMS in maize weed control- The role of crop rotation and herbicides
16:35 - 16:50	Dr. Vesna Dragičević	Production of maize grain enriched with mineral nutrients in monoculture
16:50- 17:10	Dr. Duška Stojšin	Historic Perspective of Maize and Soybean Production in the USA
Discussion		
Poster session		
Closing Remarks		
