

**8th Conference on Cereal Biotechnology and Breeding &
19th EWAC - The European Cereals Genetics Co-operative Conference**

10-13 November 2025
Budapest, Hungary / Central European University, Nádor Campus

Poster program

EWAC Poster session / Monday, 10 November 15:00-15:30

Name	Country	ID	Abstract title	Topic
1 Ciuca Matilda	ROMANIA	128	Development of colored wheat lines through synthetic amphiploids	EWAC
2 Marinciu Cristina Mihaela	ROMANIA	127	Relationship between wheat cultivars earliness and yield, test weight and bread-making quality	EWAC
3 Vasilescu Liliana	ROMANIA	126	Spike and seed morphometric traits phenotyping of some winter barley DH lines	EWAC
4 Ciuca Matilda	ROMANIA	125	Detection of HTP-7H alleles in barley via KASP marker-assisted selection	EWAC
5 Okoń Sylwia	POLAND	110	Genetic resistance of oat to powdery mildew: evaluation of Pm genes effectiveness and pathogen adaptability	EWAC
6 Talekar Sidramappa	INDIA	94	Breeding for drought-resilient hybrids for tropical maize improvement by precision phenotyping	EWAC
7 Akbudak M. Aydin	TÜRKIYE	19	Exploring Boron Tolerance in Puccinellia distans for Breeding Applications in Cereal Improvement	EWAC

Poster session 1 / Tuesday, 11 November 15:40-16:10

Name	Country	ID	Abstract title	Topic
1 Kovács Péter	HUNGARY	116	A genetransfer strategy based on durum wheat - Aegilops comosa amphiploid topcrossed with hexaploid wheat results in elimination of D chromosomes led to the production of homoelogenous M(D) s	Genetic Resources for Crop Improvement
2 Horváthné Uhrin Andrea	HUNGARY	112	Molecular and phenotypic characterization of wheat × Dasyphyrum villosum hybrids	Genetic Resources for Crop Improvement
3 Ciuca Matilda	ROMANIA	108	The synthetic hexaploid wheat as genetic resources for wheat leaf rust resistance	Genetic Resources for Crop Improvement
4 Petrovic Sonja	CROATIA	107	The effect of genotype and Zn and Se biofortification on the nutritional profile of wheat grain	Genetic Resources for Crop Improvement
5 Bobrowska Roksana	POLAND	102	Towards durable resistance in wheat: molecular identification of slow rusting and major resistance genes	Genetic Resources for Crop Improvement
6 Pance Miklós Álmos	HUNGARY	99	Exploring the useful properties of wheat (Triticum aestivum L.) crop wild relatives (CWRs) in breeding programmes	Genetic Resources for Crop Improvement
7 Rakszegi Marianna	HUNGARY	92	Water soluble fibers of different cereal species	Genetic Resources for Crop Improvement
8 Vázquez-García José G.	SPAIN	76	Allelic variation in flowering genes linked to adaptive traits in Spanish bread wheat landraces	Genetic Resources for Crop Improvement
9 Puchta-Jasińska Marta	POLAND	73	Diversity and Structure in Avena strigosa: A National Collection Perspective	Genetic Resources for Crop Improvement
10 Kis Petra	HUNGARY	70	Classification of Tetraploid Wheat Genebank Accessions with SSR Molecular Marker Methods	Genetic Resources for Crop Improvement
11 Piaskowska Dominika	POLAND	67	Identification of novel resistance loci to Septoria tritici blotch (STB) in winter wheat using Genome-Wide Association Mapping	Genetic Resources for Crop Improvement
12 Mikolajczak Krzysztof	POLAND	61	MicroRNAs as coordinators of hormonal networks in barley genotypes with impaired brassinosteroid and G-protein signaling	Genetic Resources for Crop Improvement
13 Sory Amadou Jean-Baptiste	BURKINA FASO	33	Assessing the effects of stay-green alleles in elite sorghum material from west Africa	Genetic Resources for Crop Improvement
14 Pilu Salvatore R	ITALY	29	Genetic and Morphological Analysis of Traditional Maize Varieties in Lombardy	Genetic Resources for Crop Improvement
15 Hanek Monika	POLAND	27	Implementation of a system for identifying the purity of rye inbred lines in the rye breeding program of Danko Plant Breeding.	Genetic Resources for Crop Improvement
16 Ghidoli Martina	ITALY	13	Genetic Analysis of Historic Italian Rice Varieties: Findings from the RISOLO Project	Genetic Resources for Crop Improvement
17 Serban Gabriela	ROMANIA	105	Cultivar differences in plant height plasticity and stability in wheat (Triticum aestivum)	Environmental Adaptation
18 György Márton	HUNGARY	100	Comprehensive evaluation of root development and drought tolerance in winter wheat cultivars under different environmental conditions	Environmental Adaptation
19 Varga Balázs	HUNGARY	98	Root development of winter wheat (Triticum aestivum L.) varieties	Environmental Adaptation
20 Börner Andreas	GERMANY	83	Dissecting peduncle contributions to spike productivity in wheat under contrasting water regimes	Environmental Adaptation
21 Börner Andreas	GERMANY	82	Genome-wide association mapping for yield traits under heat stress in a highly diverse spring wheat population	Environmental Adaptation
22 Tahmasebi Zahra	HUNGARY	78	Functional characterization of HvHY5 transcription factor in barley	Environmental Adaptation
23 Katerova Zornitsa I	BULGARIA	58	Changes of the enzymatic defence system by melatonin root application during recovery after drought of the Bulgarian wheat cultivar Gines	Environmental Adaptation
24 Shopova Elena	BULGARIA	57	Melatonin root application modifies the enzymatic defence system during recovery after drought in the Bulgarian wheat cultivar Fermer	Environmental Adaptation
25 Kiss Tibor	HUNGARY	56	How does supra-optimal temperature affect the development of bread wheat varieties with different vernalization requirements?	Environmental Adaptation
26 Nikolova Dimitrina K.	BULGARIA	53	Abiotic stress tolerance of winter common wheat varieties, created at the Dobrudzha Agricultural Institute, northeastern Bulgaria	Environmental Adaptation
27 Mihova Gallina Marcheva	BULGARIA	52	Climate change and the challenges to wheat breeding in Bulgaria	Environmental Adaptation
28 Maryniak Dominika	POLAND	132	Physiological and Phytohormonal Responses to Drought Stress in Glaucous and Glossy Barley Lines	Environmental Adaptation
29 Araya Mebrahtom Tesfazghi	HUNGARY	39	Response of winter wheat (Triticum aestivum L.) genotypes to heat and drought stress treatments under controlled conditions	Environmental Adaptation
30 Horváth Ádám	HUNGARY	38	Effects of ambient temperature on the daily expression patterns of the main circadian and photoreceptor genes of bread wheat	Environmental Adaptation
31 Karsai Ildikó	HUNGARY	37	Developing an EMS mutant population for dissecting the genetic components of ambient temperature sensing in winter wheat (Triticum aestivum L.)	Environmental Adaptation
32 Rahman Altafur	HUNGARY	31	Putrescine treatment alters 5mC DNA methylation patterns in wheat leaves more strongly under white light than blue light	Environmental Adaptation
33 Gulyás Zsolt	HUNGARY	12	Characterization of GNOM and ACTIN1 genes in barley and investigating their function in extraordinary temperature stress-responses	Environmental Adaptation
34 Gell Gyöngyvér	HUNGARY	3	Impact of Drought Stress on Seed Storage Protein Composition in Einkorn (Triticum monococcum) Genotypes	Environmental Adaptation

Poster session 2/ Thursday, 13 November 10:30-11:00

Name	Country	ID	Abstract title	Topic
1 Okoń Sylwia	POLAND	106	Antifungal potential of coumarin derivatives against biotrophic pathogens in cereals	Biotic Stress Response/Plant-Microbe Interactions
2 Suchowilska Elzbieta	POLAND	22	Mycotoxin profiles of Triticum aestivum grain after artificial spike inoculation with Fusarium culmorum W.G. Smith.	Biotic Stress Response/Plant-Microbe Interactions
3 Károlyiné Cséplő Mónika	HUNGARY	111	Monitoring pathogen occurrence and host resistance in Martonvásár cereals	Biotic Stress Response/Plant-Microbe Interactions
4 Mészáros Klara	HUNGARY	109	Investigation of salicylic acid and jasmonic acid regulated gene expression induced by Pyrenophora teres f. teres infection in barley	Biotic Stress Response/Plant-Microbe Interactions
5 Puskás Katalin	HUNGARY	104	Durable powdery mildew resistance of 'Mv Hombár' – a new insight	Biotic Stress Response/Plant-Microbe Interactions
6 Ghori Nida	UNITED KINGDOM	97	Dissecting the Genetic Architecture of Take-All Disease Resistance in Wheat Using Haplotype Analysis Based on Genome-Wide Association Studies	Biotic Stress Response/Plant-Microbe Interactions
7 Suleiman Abdul Rahim	GHANA	86	Natural Products as Biochemical Defenses in Biotic Stress Response: Insights from Toxocarpus brevipes	Biotic Stress Response/Plant-Microbe Interactions
8 Pietrusinska-Radzio Aleksandra	POLAND	69	Genetic Diversity Analysis of Spelt Wheat (Triticum spelta L.) Genotypes Using DArTseq Technology	Biotic Stress Response/Plant-Microbe Interactions
9 Radecka-Janusik Magdalena	POLAND	68	Virulence analysis of Polish isolates of the fungus Zymoseptoria tritici causing Septoria tritici blotch.	Biotic Stress Response/Plant-Microbe Interactions
10 Piechota Urszula	POLAND	66	Genomic insights into barley–powdery mildew interactions: identification of resistance-linked loci.	Biotic Stress Response/Plant-Microbe Interactions
11 Słowacki Piotr	POLAND	65	Assessing stripe rust (Puccinia striiformis f. sp. tritici) population structure using molecular methods	Biotic Stress Response/Plant-Microbe Interactions
12 Sowa Sylwia	POLAND	64	Early Defence Gene Activation in Oat–Puccinia coronata Interactions	Biotic Stress Response/Plant-Microbe Interactions
13 Paczos-Grzeda Edyta	POLAND	63	The crown rust resistance gene Pc51 in oat has been mapped to chromosome 1D	Biotic Stress Response/Plant-Microbe Interactions
14 Brankova Liliana	BULGARIA	55	A novel approach to mitigate Fusarium root and base rot: spermine seed priming in wheat	Biotic Stress Response/Plant-Microbe Interactions
15 Wiwart Marian	POLAND	17	Susceptibility of durum wheat to infections caused by Fusarium graminearum, Blumeria graminis f.sp. tritici and Zymoseptoria tritici	Biotic Stress Response/Plant-Microbe Interactions
16 Nagy-Réder Dalma	HUNGARY	4	Impact of Fusarium infection on the storage protein composition of wheat cultivars	Biotic Stress Response/Plant-Microbe Interactions
17 Banyai Judit	HUNGARY	101	Image-based classification of breeding trial plots using the ENVI software	Phenotyping Technologies–IPPN CEPPG Session
18 Tomkowiak Agnieszka	POLAND	117	Multivariate analysis of molecular mechanisms associated with yield in common maize Zea mays	Yield and Quality Improvement
19 Mikó Péter	HUNGARY	115	Silage-focused triticale breeding in Hungary	Yield and Quality Improvement
20 Vasilescu Liliana	ROMANIA	114	Barley grain composition profile of released cultivars over seven breeding decades	Yield and Quality Improvement
21 Vasilescu Silviu	ROMANIA	113	Yield and hectolitic weight variability evaluation of some winter wheat cultivars in the South-East of Romania	Yield and Quality Improvement
22 Petcu Eugen-Iulian	ROMANIA	96	Evaluation of yield and qualitative performances of winter two-rows barley genotypes under nitrogen fertilization conditions and climatic variability	Yield and Quality Improvement
23 Vida Gyula	HUNGARY	93	Identification of molecular markers linked with Minolta b* value and gluten index in a winter durum wheat biparental mapping population	Yield and Quality Improvement
24 Marinciu Cristina Mihaela	ROMANIA	91	Variation of grain yield and grain protein content in random recombinant wheat lines from a cross between contrasting parents	Yield and Quality Improvement
25 Zimny Janusz	POLAND	89	Identification of heritable androgenic capacity determinants via crossbreeding	Yield and Quality Improvement
26 Morozova Inga	LATVIA	79	Impact of plant protection and fertiliser regimes on the performance of winter wheat	Yield and Quality Improvement
27 Kuczyńska Anetta	POLAND	62	CAPS-based insights into wheat's genetic potential	Yield and Quality Improvement
28 Sene Mamadou	FRANCE	45	Molecular and genetic determinism of sorghum grain quality	Yield and Quality Improvement
29 Iqbal Adnan	POLAND	11	CRISPR-Cas9 Mediated Knock-Down of HvNAC94 Transcription Factor Reveals Its Regulatory Role on HvCKX1 Gene Expression in Barley	Yield and Quality Improvement
30 Danye Vida	LITHUANIA	5	Oat breeding in Lithuania	Yield and Quality Improvement
31 Bolvári-Soltész Alexandra	HUNGARY	103	Ectopic expression of wheat TaCbf14 and TaCbf15 genes in barley induces cold tolerance and reveals trichome- and anthocyanin associated responses	Bioinformatics and Genome Editing
32 Bocian Joanna	POLAND	16	Effect of HvCKX9 gene knockout on plant growth and yield-related traits in barley	Bioinformatics and Genome Editing