EUCARPIA CEREALS SECTION CONFERENCE

December 2 – 6, 2026, Porto Bello Hotel Resort & Spa, Antalya, Türkiye

CONFERENCE PROGRAM

WEDNESDAY, DECEMBER 2ND 2026	
14^{00} - 17^{00}	Registration

Time	Presenter(s)	Title
THURSDAY, DECEMBER 3RD 2026		
08:30 - 09:45	*Registration*	
09:45 - 10:15	*Opening Remarks*	
	Dr. Mesut Keser, EUCARPIA, Cereal Section Chair	*Welcome and information on the conference*
	Dr. David Kopecky, EUCARPIA President	*Welcome and information on EUCARPIA*
OPENING SESSION — Session Chair: Dr. David Kopecky		
10:15 - 10:45	**Prof Dr Hakan Ozkan**, Cukurova Univ., Türkiye; **Invited Talk**	Diversity, Conservation, and Breeding Potential of Wild Wheat Relatives in Türkiye
10:45 - 11:15	**Prof Dr Luigi Cattivelli**, CREA, Italy; **Invited Talk**	Barley Breeding: Learning from the Past to Design Future Ideotypes
11:15 - 11:45	**Dr Viktor Korzun**, KWS, Germany, **Invited Talk**	Seeding the future: Breeding climate-smart cereals resilient to biotic and abiotic stresses
11:45 - 12:00	*Discussion*	
12:00 - 13:30	*LUNCH*	
1st SESSION — Session Chair: Dr. Luigi Cattivelli		
13:30 - 14:00	**Alexey Morgounov**, B. Akin, N. Ergün, A. Rasheed, Y. Turuspekov, K. Yermekbayev, T. Savin **Invited Talk**	Genetic Resources for Winter Wheat Cultivation under Severe Cold beyond 50° North
14:00 - 14:15	J. Šafář	Vernalization genes in cereals continue to surprise us
14:15 - 14:30	R.C. Sharma, A. Fayzullayev, A. Akramkhanov, Y. Djumaniyazova, R. Mavlyanova, Z. Ziyadullaev, S. Dilmuradov, D. Juraev, Z. Ziyaev, A. Nurbekov, B. Bekbanov, D. Utembetov	Diversification Options for Wheat-Based Cropping Systems in the Aral Sea Region of Central Asia
14:30 - 14:45	A. Morgounov, V. Shamanin, G. Kunypiyaeva, I. Adonina, I. Pototskaya, A. Aydarov, R. Zhapayev	Perennial and regrowing wheat in Kazakhstan and Western Siberia: Field performance and karyotype composition, 2022–2025
14:45 - 15:00	N. Khan, S. Muhammad, S. Rehman	Phenotypic Diversity & Trait Associations in Wheat Genotypes Under Well-Watered, Water-Limited, and Late-Sowing Conditions
15:00 - 15:15	*Discussion*	
15:15 - 15:45	*Coffee Break*	
15:45 - 16:00	B. Akin	Biological Nitrification Inhibition in Wheat: Progress in Trait Introgression and Winter Wheat Breeding
16:00 - 16:15	Z. Eljouhari, A. Allaoui, A. Zahid, A. Moulakat, A. Tsivelikas, Z. Kehel, M. Mounir	Exploring the Agronomic & Nutritional Diversity of Moroccan Barley Landraces for the Valorization of Genetic Resources
16:15 - 16:30	G. Abdi	Wheat Production Transformation in Sub-Saharan Africa: Dynamics, Prospects, Constraints, and Climate-Smart Irrigation Pathways for Food Security and Self-Sufficiency
16:30 - 16:45	T. Pshenichnikova	Alien genomic introgression as a source of genetic diversity for agronomically important traits in bread wheat
16:45 - 17:00	*Discussion*	
17:00 - 17:45	*POSTER SESSION*	

FRIDAY, DECEMBER 4TH 2026		
2nd SESSION (09:30 - 12:00) — Chair: Dr. Viktor Korzun		
09:30 - 09:45	Y. Turuspekov, A.-K. Alabdullah, A. Amalova	High-density GWAS identifies stable QTL for agronomic traits in a bread wheat nested association mapping population
09:45 - 10:00	Z. Dagdad, M. Fahr, S. Ouahid, O. Bouhlal, A. Visioni	Genome-wide association study of above and below-ground traits in the CBBT derived spring barley panel grown under field conditions
10:00 - 10:15	H. Kabbaj, A.T. Sall, Z. Kehel, R.O. Ortiz, F. Bassi	Integrating Genomic Approaches to Accelerate Climate-Smart Breeding for Heat-Tolerant Durum Wheat
10:15 - 10:30	*Discussion*	
10:30 - 11:00	*Coffee Break*	
11:00 - 11:15	M. Rahmatov, O. Olalekan, N. Shariatipour, J. Darlison	Exploiting Wheat Genetic Diversity and Alien Introgressions for Disease Resistance, Stress Adaptation and Grain Quality Improvement
11:15 - 11:30	R. Čegan	Genome-wide association mapping & marker development for grain quality and disease resistance in spring barley
11:30 - 11:45	S.K. Bhadhury, J I. Burke, F Doohan	From Root Phenotypes to Candidate Genes: Integrating QTL Mapping and Parental Transcriptomics to Dissect Wheat Root System Architecture
11:45 -12:00	*Discussion*	
12:00 - 13:30	*LUNCH*	
3rd SESSION — Session Chair: Dr Hakan Ozkan		
13:30 - 13:45	A. Zatybekov, A. Maulenbay, Y. Genievskaya, S. Abugalieva, Y. Turuspekov	Multi-Model GWAS and Transcriptomic Prioritization Reveal Stable and Novel Loci for Adult Plant Stem Rust Resistance in Barley
13:45 - 14:00	Y. Genievskaya, A. Maulenbay, A. Zatybekov, Y. Turuspekov	Integrative GWAS and Transcriptomic Prioritization Reveal Stage-Specific Loci for Net Form Net Blotch Resistance in Barley
14:00 - 14:15	F.U. Khan, P. Altaf, A. Rasheed, M. Fayyaz	Integrated phenotypic and kasp-based genotyping identifies elite donors and effective yr gene combinations for durable yellow rust resistance in wheat
14:15 - 14:30	S. Pariyar, S. Dadshani, A.A. Dababat, G. Erginbas-Orakci, S. Habash, N. Wen, F. Grundler, J. Léon	Integrated genomic analyses reveal hierarchical organization of quantitative resistance to biologically distinct soil-borne pathogens in wheat
14:30 - 14:45	Z. Ali, M. Frei, M. Farooq, B. Kilian, A. Rasheed, H. Özkan	Phenotypic variation and genotype × season interaction in a panel of *Triticum araraticum* Jakubz. accessions evaluated under Mediterranean field conditions & their relationship with genetic structure and geographic origin
14:45 - 15:00	E. Paczos, S. Sowa, J. Lech, A. Koroluk, Ł. Wolko	Comparison of Turkish & Spanish Avena sterilis accessions as a source of disease resistance for common oats
15:00 - 15:15	*Discussion*	
15:15 - 15:45	*Coffee Break*	
15:45 - 16:00	A. Iqbal	Pathogen (*P. striiformis*) genetic diversity in European wheat responses studied in Pakistan's Himalayan region
16:00 - 16:15	M. Dikilitaş, E. Şener, S. Karakaş	Can colloidal silver reduce the negative effects of accidentally applied herbicide on wheat plants
16:15 - 16:30	A. Kadiroglu, A. Karakaya	Determination of The Resistance of Some Wheat Genotypes to Stem Rust (*Puccinia graminis f. sp. tritici*) and Yellow Rust (*Puccinia striiformis f. sp. tritici*)
16:30 - 16:45	*Discussion*	
16:45 - 17:00	*CLOSING REMARKS*	
17:00 - 17:45	*POSTER SESSION*	

SATURDAY, DECEMBER 5TH 2026	
10^{00} - 18^{00}	**CONFERENCE EXCURSION**

POSTER SESSION

All posters will be presented in electronic format (e-posters) during the congress in the main hall and will also be accessible online.

#	TITLE AND AUTHORS
1	Study of the production biology of hexaploid wheat under controlled environment from the perspective of ambient temperature and the photoperiod sensitivity alleles - Ádám Horváth, Tibor Kiss, András Cseh, Ildikó Karsai
2	Breeding for improving abiotic stress tolerance of winter wheat under the changing climatic conditions in the Carpathian basin - Balázs Varga, Márton György
3	Combining field and laboratory screening to identify complex stem rust resistance in KASIB spring bread wheat: the role of wheat–rye 1RS translocations - Boburjon Najodov, Ksenia Khurtova, Ksenia Dudnikova, Olga Baranova, Alexey Morgounov, Vladimir Shamanin, Gennady Karlov, Mikhail Divashuk, Maxim Dudnikov, Anastasia Chernook
4	Study of virulence factors of wheat yellow rust (Puccinia striiformis) and determination of the reaction wheat commercial cultivars in field of Karaj site-Iran in 2025 - Farzad Afshari, Meisam Salmanzadeh
5	Multi-Sensor Phenotyping Reveals Genotype-Specific Photosynthetic and Growth Responses to Combined Drought and Elevated Night-Time Temperature - Hamideh Ghaffari, Dominika Mlynarikova Vysoka, Marek Kovar, Mária Barboričová, Anindita Das, Marek Zivcak, Xinghong Yang, Marian Brestic
6	Exploring the potential of climate-smart durum and bread wheat varieties for organic farming in Italy - Irina Baccichet, Sumer Alali, Antonella Calzone, Matteo Nebuloni, Marta Fibiani, Valentina Picchi, Claudia Maria Liberatore, Giulia Bianchi, Tommaso Bardelli, Elena Novarina, Roberto Lo Scalzo, Anna Pia Maria Giulini
7	Genotype-Dependent Physiological and Yield Responses to Drought Stress in Wheat: Identifying Resilient Germplasm - Jurica Duvnjak, Katarina Sunic Budimir, Valentina Spanic
8	Variation in FHB Response, 1000 Kernel Weight and PR3 Expression among Wheat Parental Genotypes and F1 Hybrids - Katarina Sunic Budimir, Rosemary Vukovic, Ivna Stolfa Camagajevac, Lovro Nedeljkovic, Jurica Duvnjak, Valentina Spanic
9	Effect of light spectrum on the resistance of barley genotypes to Pyrenophora teres f. teres and the enzyme activities of the ascorbate–glutathione cycle under biotic stress - Klara Meszaros, Mónika Cséplő, Rama Adi Pratama, Judit Banyai, Zsuzsanna Farkas, Kitti Kulman, Zsolt Gulyás, Gábor Galiba, Gábor Kocsy, Marianna Rakszegi, Mohamed Ahres
10	Climate impacts on phenology and productivity of locally bred spring barley (*Hordeum vulgare* L.) in Latvia - Līga Dzedule, Gunta Kalvāne, Andis Kalvāns, Linda Legzdina, Māra Bleidere
11	Breeding Spring Wheat for Early Maturity and Winter Wheat for Winter Hardiness and Grain Quality in Northern Sweden - Mahbubjon Rahmatov, Mahboobeh Yazdani, Mohammed Elsafy, Julia Darlison, Olawale Olalekan, Firuz Firuz
12	Unraveling Genotypic Variability in Wheat Response to Elevated Nighttime Temperatures - Marek Zivcak, Marek Kovar, Maria Barboricova, Dominika Mlynarikova Vysoka, Marian Brestic
13	Breeding climate-resilient winter triticale: Multi-environment evaluation in Romania - Maria Voica, Baltatu Mariana, Delcea Alina, Mariana Ittu
14	Trade-Offs Between Yield Potential and Water Use Efficiency: Phenotypic Analysis of Winter Wheat Genotypes Under Water Deficit - Márton György, Balázs Varga
15	Exploring RGB and Hyperspectral Imaging as Potential Tools for Identifying Drought-Tolerant Wheat (*Triticum aestivum* L.) Genotypes - Michal Nowak, Jakub Giera, Justyna Lesniowska-Nowak, Krzysztof Kowalczyk
16	Comparative evaluation of leaf rust resistance in Central European winter wheat landraces, old and modern cultivars - Mónika Cséplő, Andrea Uhrin, Katalin Puskás, Klara Meszaros, Judit Banyai, Balázs Varga, Péter Mikó, Gyula Vida, Ildikó Karsai, András Cseh
17	Evaluation of durum wheat near-isogenic lines for terminal heat stress tolerance under Moroccan conditions - Oumaima Rachik, Moha Ferrahi, Loubna Belqadi, Filippo Bassi, Hafssa Kabbaj
18	Profiling of defence-related gene expression in oat during interactions with Puccinia coronata - Sylwia Sowa
19	Breeding and Primary Seed Production of Cereal Crops for Higher Yield Potential, Grain Quality and Stress Tolerance across the Agro-Ecological Zones of Kazakhstan - Timur Savin
20	Evaluation of wheat F1 hybrid combinations for chemical induction of male sterility based on agro-morphological traits and multivariate analysis - Valentina Spanic, Katarina Sunic Budimir, Jurica Duvnjak
21	Towards durable stripe rust resistance: cross-continental evaluation of resistance loci in CIMMYT wheat lines Arableu#1 and Mucuy - Venancio Riella, Richard García, Fernando Pereira, Silvia Germán, Paula Silva
22	In Silico Characterization of the PP2C Gene Family in Bread Wheat (Triticum aestivum): Implications for ABA Signaling and Drought Response - Fatima Gaboun, Mouna Taghouti, Imane Jikkou1, Chaymae El-Akhal, Ghizlane Diria, Rabha Abdelwahd
23	Multi-Environment GWAS Reveals Breeding Resources for Pre-Harvest Sprouting Resistance in Kazakhstan Spring Wheat - Moldir Yermagambetova, Yuliya Genievskaya, Akerke Amalova
24	Agronomic and disease-resistance characteristics of wheat – *Dasypyrum villosum* 6V introgressions - Andrea Uhrin

25	Dynamic TaMET1 responses during wheat microspore reprogramming - Dorota Weigt, Katarzyna Szewczyk, Zuzanna Siwik, Łukasz Wolko, Idzi Siatkowski, Iwona Żur, Janetta Niemann
26	Genome-wide SNP profiling of Moroccan durum wheat reveals allele-frequency patterns across breeding periods - Fatima Ezzahra Oudrhiri, Ghizlane Diria, Imane El Ftouh, Hind El Bouzidi, Mackaye Moussa Hassane, Fatima Gaboun, Loubna Belqadi, Mouna Taghouti
27	Identification of vernalization and photoperiod genes for determining developmental types in barley germplasm - Gaziza Zhumaliyeva, Raushan Yerzhebayeva
28	Can durum wheat be a real alternative in Hungarian cereal production? - Gyula Vida, Mónika Cséplő, Katalin Puskás
29	Genome-wide SNP Analysis Reveals Genetic Structure, Diversity, and Localized Allelic Differentiation in Moroccan Bread Wheat Germplasme - Imane El Ftouh, Mouna Taghouti, Fatima Ezzahra Oudrhiri, Hind El Bouzidi, Rabha Abdelwahd, Fatima Gaboun, Loubna Belqadi, Ghizlane Diria
30	Complex evaluation of genetic diversity, allele frequencies, and agronomic traits in spelt wheat (*Triticum spelta* L.) genotypes - Marianna Rakszegi, Viola Tóth, Marianna Mayer, Judit Bányai, Carlos Guzmán, Lovro Sinkovič, Vladimir Meglič, Barbara Pipan, Péter Mikó
31	Phenotypic Variation and Seed Set in Anatolian *Aegilops mutica* Populations - Melike Biçici, Zain Ali, Sevim Döndü Kara Öztürk, Mehmet Alper Gökçe, Uğur Sessiz, Harun Bektaş, Esra Çakir, Hakan Özkan
32	Phenotypic Variation among Anatolian *Aegilops umbellulata* Populations - Sevim Döndü Kara Öztürk, Melike Biçici, Zain Ali, Md Rakibul Islam, Brayan Ouma Odeka, Mehmet Alper Gökçe, Esra Çakir, Hakan Özkan
33	Agronomic and quality potential of a new hulled wheat species, *Triticum timopheevii* - Péter Mikó, Ágnes Bencze, Miklós Álmos Pance, Marianna Rakszegi
34	SSR-based analysis of genetic diversity and population structure in maize germplasm from Kazakhstan, China, and Europe - Shyryn Almerekova, Alan Ibraimov, Moldir Yermagambetova, Yerlan Turuspekov
35	High throughput determination of the genomic constitution of wheat × rye hybrids using highly multiplexed amplicon sequencing - Maria Chiara Piro, David Kopecký, Katrijn Van Laere, Hilde Muylle, Steven Maenhout
36	Evaluating nitrogen use efficiency under drought conditions using high-throughput phenotyping - Dominika Mlynarikova Vysoka, Marek Kovar, Hamideh Ghaffari, Marek Zivcak, Maria Barboricova, Marian Brestic, Anindita Das, Daria Palovova, Svetlana Misheva
37	Rheological Performance and Stability of Bread Wheat across Contrasting Moroccan Environments - Hind El Bouzidi, Imane El Ftouh, Aziz Baidani, Fatima Ezzahra Oudrhiri, Rabha Abdelwahd, Fatima Gaboun, Mouna Taghouti, Ghizlane Diria
38	Evaluation of Supervised Classification Methods for UAV-Derived Multispectral Phenotyping Data in Cereal Breeding - Judit Banyai, Janos Meszaros, Márton György, Eszter Sugar, Nandor Fodor, Marianna Rakszegi, Mónika Cséplő, Klara Meszaros, Péter Mikó
39	Multimodal imaging for high-throughput phenotyping of wheat genetic resources under drought stress - Marek Kovar, Marek Zivcak, Maria Barboricova, Hamideh Ghaffari, Dominika Mlynarikova Vysoka, Anindita Das, Daria Palovova, Marian Brestic
40	Establishment of a CRISPR/Cas9 genome editing system platform for drought tolerance improvement of Bread Wheat - Rabha Abdelwahd, El Meskaoui Abdelmalek, Driss Iraqi, Chaymae El-Akhal, Ghizlane Diria, Mohammed Fokar, Fatima Gaboun
41	Multi-Environment Validation of KASP Markers Identifies Robust Loci for Marker-Assisted Improvement of Barley Productivity - Saule Abugalieva, Yuliya Genievskaya, Vladimir Chudinov, Timur Savin, Yerlan Turuspekov
42	UAV-Based Phenotyping for Spring Wheat Breeding in Latvia: Grain yield, Nitrogen Use Efficiency and Stress-Related Traits - Zaiga Jansone, Māra Bleidere, Andris Lapāns
43	Intercropping vetch - oat: A lever to improve yield, recycle nutrients, and strengthen soil quality - Abdelmajid Krouma
44	Peptide signalling enhances nitrogen use efficiency (NUE), yield, and grain protein in wheat (*Triticum aestivum* L.) - Baber Ali, Nijat Imin
45	Time-Resolved and Multi-Level Responses of Cu-Deficient Barley to Foliar Nano-Cu: From Cu Acquisition to Proteomic Reprogramming - Mikolaj Feculak, Krzysztof Kowalczyk, Magdalena Kusiak, Magdalena Sozoniuk, Jacek Wawrzykowski, Izabela Josko
46	Durum Wheat Variety Mixtures as a Strategy to Enhance Yield and Grain Quality across Contrasting Moroccan Environments - Hind El Bouzidi, Fatima Ezzahra Oudrhiri, Imane El Ftouh, Aziz Baidani, Fatima Gaboun, Ghizlane Diria, Mouna Taghouti