

1st INTERNATIONAL CONGRESS ON BIOTECH STUDIES

NOVEMBER 9 – 11, 2022

SCIENTIFIC PROGRAMME

10.11.2022 – THURSDAY

Agricultural Biotechnology Session	
Moderator: Prof. Dr. Khalid Mahmood Khawar	
09:30 – 09:45	Murat AYCAN , Niigata University, Department of Biochemistry, Japan <i>The mutant B-type Response Regulator Hst1 Gene Regulates Transcriptomic Response to Provide Salinity Tolerance by Reprogramming Transcription Factors and Cytokinin Signaling Genes in Rice (Oryza sativa L.).</i>
09:45 – 10:00	Sota TAKANASHI , Niigata University, Graduate School of Science and Technology, Japan <i>Isolation of LEAFY- and TERMINAL FLOWER 1-like Genes from Two Tricyrtis spp. Showing Different Inflorescence Architectures.</i>
10:00 – 10:15	Yağmur ARIKAN , Gebze Technical University, Institute of Biotechnology, Türkiye <i>The Potential Biostimulant Effects of Macroalgae (Cystoseira barbata) Extracts on Broccoli Plant under Greenhouse Conditions.</i>
10:15 – 10:30	Cansu ŞİMŞEK , Areo Seed Co., Biotechnology, Türkiye <i>Marker-Assisted Selection (MAS) in Pepper Breeding.</i>
10:30 – 10:45	Damla ÖNDER , Süleyman Demirel University, Biology, Türkiye <i>Comparison of Biochemical and Antioxidant Activities in Different Solvent Extracts Obtained from Olive Leaves.</i>
10:45 – 11:00	Banu EFEOĞLU , Central Research Institute for Field Crops, Biotechnology, Türkiye <i>Cold Tolerance in Some Camelina (Camelina Sativa (L.) Crantz) Genotypes under Controlled Conditions.</i>
11:00 – 11:15	Damla Turan BÜYÜKDİNÇ , Recep Tayyip Erdogan University, Faculty of Agriculture, Türkiye <i>Callus and Suspension Culture Techniques Optimized for Use in Carrot Breeding Studies (Daucus carota ssp. sativus var. atrorubens Alef and D. carota).</i>
11:15 – 11:30	Saima Kalsoom BABAR , Ankara University, Soil Science and Plant Nutrition, Türkiye <i>Comparative Response of Coated and Commercial Urea on Lettuce Production and Nitrogen Contents.</i>
11:30 – 11:45	Hande MUTLU , Gebze Technical University, Biotechnology, Türkiye <i>Seaweed Liquid Extracts (Cystoseira barbata) as a Biostimulant Agents for Wheat Plant.</i>
11:45 – 12:00	Ercan Selçuk ÜNLÜ , Bolu Abant İzzet Baysal University, Chemistry, Türkiye <i>Optimization of Indole-3-Acetic Acid Biosynthesis in a Native Bacillus subtilis Isolate.</i>
12:00 – 12:30	Invited Speaker: Prof. Dr. Mahmut TÖR , University of Worcester, UK <i>Pathogenomic Assisted-Plant Breeding for Disease Resistance.</i>
12:30 – 13:30	Lunch Break
Agricultural Biotechnology Session	
Moderator: Prof. Dr. Ömür BAYSAL	
13:30 – 13:45	Hicret Aslı YALÇIN , TUBITAK MAM, Life Sciences, Türkiye & John Innes Centre, Crop Genetics, UK <i>Drought Stress Induces Pattern-Triggered Immunity Highly Associated with Quantitative Disease Resistance in Brassica oleracea.</i>
13:45 – 14:00	Kübra TUTKUN , Gebze Technical University, Institute of Biotechnology, Türkiye <i>Development of IoT Based Hydroponic Smart Garden.</i>
14:00 – 14:15	İsmail BEZİRGANOĞLU , Erzurum Technical University, Molecular Biology and Genetics, Türkiye <i>Genetic Variation and Population Structure of Medicago sativa L. Using SSR Markers.</i>

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14:15 – 14:30	Münevver Aksoy , Akdeniz University, Agricultural Biotechnology, Türkiye <i>Exploring the Potential of Psychrophilic Organisms for Crop Production under Cold Conditions.</i>
14:30 – 14:45	Burak TUNÇBAŞ , Gebze Technical University, Biotechnology, Türkiye <i>Wheat <i>Triticum aestivum</i> is Protected by Arbuscular Mycorrhizae from the Combined Effects of Boron Toxicity and Salinity Stress under Low- and High-Phosphorus Conditions.</i>
14:45 – 15:00	Cafer EKEN , Aydın Adnan Menderes University, Agricultural Biotechnology, Türkiye <i>Use of <i>Arthrobotrys</i> spp. in Biocontrol of the Root-Knot Nematode <i>Meloidogyne incognita</i>.</i>
15:00 – 15:10	Merve Nur ERTAŞ ÖZ , Central Research Institute for Field Crops, Genetics and Breeding, Türkiye <i>Phenotyping the Races of <i>Puccinia striiformis</i> fsp. <i>tritici</i> in Central Anatolia and Future Genotyping Studies.</i>
15:10 – 15:20	Erhan KOÇAK , Isparta Applied Science University, Agricultural Biotechnology, Türkiye <i>Screening of Stem Solidness Gene Content of Some Grain Varieties with SSR Markers.</i>
15:20 – 15:30	Gülden ÇETİN ÖZKAN , Central Research Institute for Field Crops, Biotechnology, Türkiye <i>The Story of Constructing the First Barley Mapping Population in Turkey for Developing Molecular Markers Related to Some Foliar Diseases.</i>
15:30 – 15:40	Cuma KARAOĞLU , Central Research Institute for Field Crops, Biotechnology, Türkiye, <i>The Effects of High Temperature-time Stress Pretreatments on Callus Induction and Regeneration in Anther Culture of Some Bread Wheat Varieties (<i>Triticum aestivum</i> L.).</i>
15:40 – 15:50	Nur KOYUNCU , Central Research Institute for Field Crops, Biotechnology, Türkiye <i>The Effect of MS and Sucrose Doses on Direct Shoot Organogenesis of <i>Saintpaulia ionantha</i> Wendl.</i>
15:50 – 16:00	Nur KOYUNCU , Central Research Institute for Field Crops, Biotechnology, Türkiye <i>Response of Some Turkish Rice (<i>Oryza sativa</i> L.) Varieties to Anther Culture on Different Culture Medium.</i>
16:00 – 16:30	Invited Speaker: Dr. Şadiye HAYTA John Innes Centre, UK <i>Exploiting Genome Editing into Elite Wheat Cultivars by Deploying Morphological Gene.</i>
16:30 – 16:40	Hossein SHAHSAVAND HASSANI , Central Research Institute for Field Crops, Biotechnology, Türkiye <i>The First Studies of Adaptation, Spring Growth Behavior, Water Requirement and Temperature Response of Promising Multiple Developed Primary (Tcpt) and Secondary (Tcst), Tritipyrum, Under Three Different Irrigation Methods in Türkiye.</i>
16:40 – 16:50	Hossein SHAHSAVAND HASSANI , Central Research Institute for Field Crops, Biotechnology, Türkiye <i>The Evaluation of Promising Trans Chromosomal Lines of Primary (TCPT) and Secondary (TCST) under Salinity of Na/CaCl₂ for Seed Germination and Seedling Emergence Stages.</i>
16:50 – 17:00	Hossein SHAHSAVAND HASSANI , Central Research Institute for Field Crops, Biotechnology, Türkiye <i>The First Study of Photoperiod Sensitivity and Vernalization Genes in the Promising Primary and Secondary Lines of New Salt Tolerant Cereal, Tritipyrum.</i>
17:00 – 17:30	Invited Speaker: Prof. Dr. Gökhan HACISALİHOĞLU , Florida A&M University, USA <i>Advancing Crop and Seed Dietary Nutrient Systems</i>