

October 24, 2024 Thursday

13:00-15:00	Registration	Registration Desk
15:00-15:30	15 Temmuz Kongre Merkezi Milli İrade Salonu	
	Opening Ceremony	
Session 1- Chair-Prof. Mehmet ODABAŞI		Milli İrade Salonu
15:30-16:05	Invited Speaker (IS1) Prof. Sibel Aysıl ÖZKAN	
	Recent advances in molecularly imprinted polymer-based electrochemical sensors and their future prospects	
16:05-16:20	Oral Presentation (OP01)	Hamza HALICI
	Bee Venom as A Potential Therapeutic Agent Against Human Chronic Myeloid Leukemia Cells	
16:20-16:35	Oral Presentation (OP02)	Murat KÜÇÜK
	New Approaches in DPPH Radical Scavenging Method	
18:00-20:00	Dinner (Liva Restaurant)	

October 25, 2024 Friday

Session 2- Chair-Prof. Harun BUDAK		Milli İrade Salonu
09:30-10:05	Invited Speaker (IS3) Prof. Leena LATONEN	
	Unraveling prostate cancer drug responses and treatment resistance through multimodal proteomics	
10:05-10:20	Oral Presentation (OP03)	Serdar KARAKURT
	Exploring the Anti-Cancer Potential of Animal Venoms in Colorectal Carcinoma Treatment	
10:20-10:35	Oral Presentation (OP04)	Zeynep KARAKÖY
	The Effect of Inhaled Ozone Therapy in Two-Hit Rat Model of Lipopolysaccharides-Induced Acute Lung Injury and Bleomycin-Induced Pulmonary Fibrosis	
10:35-10:50	Oral Presentation (OP05)	İrem Mukaddes BİLGİSEVEN
	Great Filtration Efficiency and In vitro Efficacy of Cellulose Acetate Nanofiber Filters for CBRN Protection	
10:50-11:20	Coffee Break	
Session 3- Chair-Prof. Serdar KARAKURT		Milli İrade Salonu
11:20-11:55	Invited Speaker (IS4) Prof. Elif CADIRCI	
	5-HT7 receptors as new therapeutic targets	
11:55-12:10	Oral Presentation (OP06)	Çaglar BERKEL
	Differential expression of certain members of the gasdermin family among breast cancer subtypes in terms of receptor status	
12:10-12:25	Oral Presentation (OP07)	Ozlem OZTOPUZ
	Necrotizing enterocolitis: From the intestine to the lungs	
12:25-12:40	Oral Presentation (OP08)	Tünay KARAN
	Cytotoxic and Apoptotic Effect on Various Cell Lines of Glycyrrhiza glabra var. Glandulifera	
12:40-14:30	Lunch	

Session 4- Chair-Prof. Okan ACAR		Milli İrade Salonu
14:00-14:35	Invited Speaker (IS4) Prof. Jesus LACAL	
	Reproducing RASopathy patient-specific DNA variants for in vitro cellular and molecular analysis	
14:35-14:50	Oral Presentation (OP09)	Tuğba AĞBEKTAŞ
	Analysis of the Molecular-Level Effects of PDL-1 Gene Silencing on the MAPK Signaling Pathway in Colon Cancer Cells	
14:50-15:05	Oral Presentation (OP10)	Seda AŞKIN
	Promoting effect of Berberis vulgaris leaf extract on second-degree burn wound-healing through Tgf- β 1 and Vegf- α regulation	
15:05-15:20	Oral Presentation (OP11)	Elif ÇADIRCI
	Bromelain, a Group of Pineapple Proteolytic Complex Enzymes (Ananas comosus), alleviates Contrast Media Nephropathy	
15:20-16:00	Poster Presentations	
16:00-20:00	Social Programme (City Tour and Mevlevi Ceremony)	

October 26, 2024 Saturday

Session 5 Chair-Prof. Serap EVRAN		Milli İrade Salonu
09:30-10:05	Invited Speaker (IS5) Prof. Reinhard STERNER	
	Retracing the Rapid Evolution of an Herbicide-Degrading Enzyme by Protein Engineering	
10:05-10:20	Oral Presentation (OP12)	Marwa ABDELMAGEED
	Evaluation of Copeptin Levels in COVID-19-Recovered Patients with and without Insomnia	
10:20-10:35	Oral Presentation (OP13)	Melek KAYA
	Carbonic Anhydrase Inhibition by Green Tea Extracts Prepared at Different pH's	
10:35-10:50	Oral Presentation (OP14)	Arda AYTİMUR
	Production of Antimicrobial Nanocomposite Films with Silver Nanoparticles using the Green Synthesis Method	
10:50-11:20	Coffee Break	
Session 6- Chair-Prof. Gözde BAYDEMİR PEŞİNT		Milli İrade Salonu
11:20-11:55	Invited Speaker (IS6) Prof. Gulberk Ucar	
	Targetting Epithelial-Mesenchymal transition. (EMT) in Cancer Treatmen	
11:55-12:10	Oral Presentation (OP15)	Emir Enis YURDGÜLÜ
	Effects of Boron Nitride-Cyclodextrin Complex-Based Nanosuspensions on A549 Cells and In-Vitro Characterization	
12:10-12:25	Oral Presentation (OP16)	Neşe Başak TÜRKMEN
	Reproductive Toxicity Of Paclitaxel And Protective Effect Of Nerolidol	
12:25-12:40	Oral Presentation (OP17)	Kemal BAŞ
	Antibacterial PVA-AgNP Hydrogel Synthesis, In Vitro Cytotoxic Effect and Wound Healing Potential	
12:40-14:00	Lunch	

Session 7- Chair-Prof. Murat KÜÇÜK		
14:00-14:35	Invited Speaker (IS7) Prof. Winfried Hausner	
	Transcriptional regulation in Archaea	
14:35-14:50	Oral Presentation (OP18)	Narasimha Rao DESİRAZU
	Methylome and Acetyl-proteome Profiling of <i>Helicobacter pylori</i>	
14:50-15:05	Oral Presentation (OP19)	Özkan FİDAN
	Microbial production of carotenoids in engineered endophytic <i>Pseudomonas sp.</i> 102515	
15:05-15:20	Oral Presentation (OP20)	Ramazan ERENLER
	Synthesis of Silver Nanoparticles using <i>Trifolium pratense</i> L. Leaves: Characterisation and Evaluation of Biological Activity	
15:20-16:00	Poster Presentations	
16:00-19:00	Social Programme (Ballica Cave Tour)	

October 27, 2024 Sunday		
Short Oral Presentations		
	Chair: Prof. Ali DİŞLİ	Chair: Prof. Nagihan SAĞLAM ERTUNGA
	Şehitler Salonu	Milli İrade Salonu
09:30-09:35	Oral Presentation (OP21) Aysun İNAN GENÇ	Oral Presentation (OP36) Atike DOĞAN
	Modulation of Short-Chain Fatty Acid Metabolism in COVID-19 Patients	Investigation of Synergistic Effects of Resveratrol and PEMF exposure on Caspase-12 Gene Expression in Glioblastoma Cells
09:35-09:40	Oral Presentation (OP22) Esra SEYRAN	Oral Presentation (OP37) Ali Arda CİRİTCİOĞLU
	Mapping of Aspirin-Dependent Acetylation on Von Willebrand Factor	Ag Coated Quantum Dot Off-On Mechanism Based Detection for Accurate and Quick Folic Acid Assays
09:40-09:45	Oral Presentation (OP23) Rahime Şeyma KOÇAK	Oral Presentation (OP38) Nurdan AKDOĞAN
	Synthesis, Characterization and Investigation of Antiproliferative Activities on Different Cancer Cell Lines of Imine Compounds	Synthesis of Tetrazole-linked Phenothiazines as Cholinesterase Inhibitors: In vitro Approach Combined with Molecular Docking
09:45-09:50	Oral Presentation (OP24) Eda GÜNAY	Oral Presentation (OP39) Begüm DÖNMEZ

	The Biochemical Effects of Nitric Oxide and Brassinosteroid on Two Wheat Varieties Under Drought Stress	Synthesis, Characterization and Investigation Biological Activities of Schiff Base Metal Complexes
09:50-09:55	Oral Presentation (OP25) Müge TEKER YILDIZ	Oral Presentation (OP40) Meryem Şenay ŞENGÜL DEMİR AK
	Comparison of Two <i>Bacillus</i> Species Isolated from Çanakkale Lapseki Coastal Zone on Barley under Salt Stress	Odorant Binding Protein Based Biosensors Mimicking the Mosquito Olfactory System
09:55-10:00	Oral Presentation (OP26) Oktay BIYIKLIOĞLU	Oral Presentation (OP41) Pırıl ARISOY
	Determination of bioactivity properties of some honeys produced in the Western Black Sea region.	Development of Column Packing Material with Monosize Spheres for the Determination of Ergosterol in Foods
10:00-10:05	Oral Presentation (OP27) Serhat KARABİCAK	Oral Presentation (OP42) Gamze BALTACIER
	Determination of bioactivity properties of some propolis produced in the Western Black Sea region.	Effect of Hydrogen Sulfide on Antioxidant Capacity in Barley Under Drought Stress
10:05-10:10	Oral Presentation (OP28) Şeydanur AVCI	Oral Presentation (OP43) Mehmet Hüseyin ALKAN
	Anti-inflammatory Activities of Carvedilol and/or Melatonin on A549 Cells	Determination of Antidiabetic Properties of <i>Salvia multicaulis</i> Vahl. Species Collected from Different Localities
10:10-10:15	Oral Presentation (OP29) Büşra İrem ŞİMŞEK	Oral Presentation (OP44) Onur Cem ALTUNOLUK
	Effects of GS-441524 on Cell Viability in Lung Cancer Cells (A549)	Newly synthesized 1,4-naphthoquinone derivative molecule based potentiometric sensor and its greenness assessment
10:15-10:20	Oral Presentation (OP30) Yusuf Anıl AY	Oral Presentation (OP45) Didem MİMİROĞLU
	Effects of Sodium Borate Nanoemulsions on A549 Cell Line and In-Vitro Characterization	The Dual Effect of Topography and Electrical Conductivity Enhances Neural Cell Activity
10:25-10:30	Oral Presentation (OP31) Emirhan KIVANÇ	Oral Presentation (OP46) Kağan KILINÇ



	Evaluating the Antiproliferative Effects of Propolis Nanoemulsions on A549 Cells	Protective Effect of <i>Rosa canina</i> L Against Cisplatin Induced Nephrotoxicity and Hepatotoxicity
10:30-10:35	Oral Presentation (OP32) Aylin AYDIN	Oral Presentation (OP47) İlke KARAKAŞ
	The Potential Anticancer Activity of Hordenine Against Metastasis and Cell Migration in MCF-7 Cells	Determination of Antibiotic Resistance Profiles of Bacteria Isolated from Gökçeada Salt Lake Soil Samples
10:35-10:40	Oral Presentation (OP33) İnci Uludağ ANIL	Oral Presentation (OP48) Şükran GÜNAYDIN
	Electrochemical Aptasensor for Sensitive Detection of Food Allergen ARAH1	As natural antimicrobial agents: Cell-free culture filtrate of <i>Aspergillus niger</i> and <i>Rhizomucor pusillus</i>
10:40-10:45	Oral Presentation (OP34) Nurşah Hüma TATOĞLU	Oral Presentation (OP49) İlke KARAKAŞ
	Bacterial Cellulose Production and Characterization	Antioxidant Activity Potentials of Olive Mill Waste Water and Pomace in Çanakkale Province
10:45-10:50	Oral Presentation (OP35) Melek ÇOL AYVAZ	Oral Presentation (OP50) Osman Nuri ASLAN
	Antimicrobial and Antioxidant Evaluations of <i>Festuca lazistanica</i> subsp. <i>giresunica</i>	Synthesis and biological evaluation of rhodanine analogues containing sulfonate groups as potential aldose reductase inhibitors
10:50-12:00	Closing Session	
	Awards for Poster Presentations	
	Closing Ceremony	

POSTER PRESENTATIONS

PP01	Adam Mougou MAHAMAT Green Synthesis of Silver Nanoparticles and Their Application: Antimicrobial Activity
PP02	Bahar YAVUZ Investigation of Antibiotic Adsorption Potential of Agricultural Waste-Based Activated Carbon
PP03	Gülsüm ORUÇ Measurement of Cytotoxic Effect of Selenium Nanoparticles on Human Thyroid Cancer Cells
PP04	Sude KOCABIYIK Protein-rich Macrovipera Lebetinus Snake Venom from Türkiye Inhibits Proliferation, Migration and Invasion of Colon Cancer



PP05	Seher GULER
	Extraction of Juglans Sporopollenin Exine Capsules, Removal of Allergenic Content and Use in Drug Delivery
PP06	Yeliz DEMİR
	Investigation of In Vitro Effects of Carboxylic Acid Derivatives Containing Pyrazole Group on NADPH-Dependent Aldose Reductase Enzyme
PP07	Cenk ERDOĞAN
	Antifouling and Anticorrosive Properties of Poly(N-methylaniline) film Containing of Different Concentrations of ZnO Nanoparticles on Stainless Steel
PP08	Büşra ÇEVİK
	Effects of Heavy Metal Stress on Seedling Growth and Antioxidant Enzymes in Sorghum (<i>Sorghum bicolor</i> (L). Moench)
PP09	Veyis KARAKOÇ
	Design of a new dialysis membrane for removal of Fe ³⁺ ions from thalassemia patients
PP10	Fatıma Zehra YILMAZ
	Effects of the Plant Phenolic Compound Resveratrol on Prostate Cancer and Glutathione S-Transferase Enzyme Involved in the Metabolism of Chemotherapeutic Drugs
PP11	Elif BOZKIR
	Investigating the Molecular Effects of Resveratrol on Prostate Cancer and Its Influence on the CYP3A4 Isoform Involved in Chemotherapeutic Drug Metabolism
PP12	Sena ÖZYİĞİT
	Mapping Regulatory Networks and Discovering Drug Candidates in Pediatric Retinoblastoma
PP13	Sueda Nur ELLİALTIOĞLU
	Saffron Pigments as a Natural Staining Agent for <i>Saccharomyces cerevisiae</i> Cell Wall Analysis Using Fluorescence Microscopy
PP14	Elif BEKMEZCİ
	Resveratrol's Impact on Prostate Cancer: Inhibition of Metastasis and Colony Formation via NQO1 Modulation
PP15	Nilay TUFAN
	Investigation of the Cytotoxic Effects of Silver Zeolite Nanofibers Produced by Electrospinning Method on HaCaT Cell Line
PP16	Ali DİŞLİ
	Synthesis, Characterization, and Anticancer Activity of New Purine Derivatives



PP17	Muhammed Yusuf ZORLU
	Synthesis, Structural Characterization and In Silico Approaches of New Drug Candidate Molecules
PP18	Nagihan SAĞLAM ERTUNGA
	DNA Binding Studies of Three New Bis(azo-imine) Based Transition Metal Complexes
PP19	İsmail KIZMAZ
	Investigation of Enzyme Activities of Enzyme-Inorganic Hybrid Nanoflowers (Ei-hNFs) Synthesized by Different Methods
PP20	Melisa Şima YÜKSEL
	Determination of the Antioxidant Properties of Papaveris Folium Ethanol Extract
PP21	Seyit Batuhan DUDAK
	The Effect Of Bio-Priming Applications With Rhizobacteria (PGPR) And Salicylic Acid Derivative On Germination and Seedling Growth In Wheat Plant Under Salt Stress
PP22	Esmâ Kübra KAĞAN YENİÇERİ
	Investigation of Anticancer and Antioxidant Properties of Potentilla recta Plant on Different Cancer Cell Lines
PP23	İkra PİRBUDAK
	Exploring the Cytotoxic and Antioxidant Properties Hedysarum candidissimum on the A549 Cell Line.
PP24	Kardelen Damla ALKIM
	Investigation of Anticancer and Antioxidant Potentials of Pastinaca erzincanensis on HeLa Cell Line
PP25	SAYGIN ALTÜRK
	Development of L-Proline Imprinted Nanofilm-Coated Surface Plasmon Resonance Sensors for Diagnosis and Monitoring of Esophageal Cancer and Hyperprolinemia
PP26	Sinan KANDIR
	Extremely Low-Electromagnetic Field: Friend or Foe against the Neurons? A Scoping Review of Last Decade (2014-2024) from Omics Perspective
PP27	Mehmet Hüseyin ALKAN
	Determination of Essential Oil and Aroma Content of Origanum onites L. by GC-MS
PP28	Melike YILDIRIM AKATIN
	DNA Interaction and α -Glucosidase Inhibition Potential of a Newly Synthesized Zn(II) Phthalocyanine Complex
PP29	Nurgül ABUL

	Decolorization of Congo Red Dye with HRP Enzyme Purified by Aminobenzohydrazide-based Affinity Chromatography
PP30	Şebnem SELEN İŞBİLİR
	Synthesis of Silver Nanoparticle Using Olive Leaves (Domat var.)
PP31	Hava İLKAYA
	Preparation and Characterization of Magnetic Enzyme-Inorganic Hybrid Nano Flowers
PP32	Ebrar GEZER
	Molecular Signatures of Polycystic Ovarian Syndrome Identified by Integrative Bioinformatics Approach
PP33	Onur Cem ALTUNOLUK
	Selective and fast potentiometric determination of local anesthetic procaine in pharmaceutical samples
PP34	Tuğba GÜRKÖK TAN
	Identification of Salt and Drought Stress Related Hub Genes in Arabidopsis thaliana
PP35	Zeynebe BİNGÖL
	Determination of Antioxidant Capacity of Waxflower Plant and Examination of Inhibition Effect on Carbonic Anhydrase Isoenzymes
PP36	Emrah DEMİRBAŞ
	Development of Bone Biomarker Biosensor for Diagnosis and Monitoring of Some Bone Diseases
PP37	Cağlar BERKEL
	The synthesis, anti-bacterial and sensor properties of newly synthesized rhodanine derivative molecules
PP38	Ahmet CETİNKAYA
	Fabrication of MXene-supported molecularly imprinted polymer-based electrochemical sensor for specific recognition and determination of uracil
PP39	Pınar TAŞER GÜLLER
	In vitro and In silico Evaluation of the Inhibitory Effect of 4-nitro-N-(furan-2-ylmethyl)-N-(3-nitrophenyl)benzamide on Acetylcholinesterase and Butyrylcholinesterase
PP40	Uğur GÜLLER
	Antioxidant Activities of Cili 1392, Crystal, and Clark Flaxseed (Linum Usitatissimum L.) Species
PP41	Behiye TAŞER



	Investigation of Antibacterial Activity of 4-Ethylresorcinol and 2,5-Dimethylresorcino
PP42	Nisanur KARACA
	Combinatorially Synthesized Triazole and Benzenesulfonamide Hybrid Carbonic Anhydrase Inhibitors
PP43	Selenay SADAK
	Design and Applications of Electrochemical Nanozyme Platform Consisting of Magnetic Nanomaterials and Inorganic Nanomaterials
PP44	Meraki Gülsüm ECE
	Preparation of MIP-Based Electrochemical Sensor Surfaces: Utilization in the Selective Detection of L-Citrulline Amino Acid
PP45	Oktay BIYIKLIOĞLU
	Determination of bioactivity properties of some bee breads produced in the Western Black Sea region
PP46	Bengi USLU
	Electrochemical And Spectroscopic Approaches On The Interaction Of Nabumetone With Double-Stranded Dna
PP47	Cigdem KANBES-DİNDAR
	Novel Nano Plasma Carbon Decorated Electrochemical Sensor For Highly Selective Determination of Salicylic Acid
PP48	Cigdem KANBES-DİNDAR
	Evaluating the Interaction Between the Antiviral Drug Entecavir and Double-stranded DNA Using Electrochemical and Spectroscopic Methods
PP49	Ipek KUCUK
	Investigation of Electrochemical Properties Associated with the Sensitive and Selective Quantification of Cinecalcet Using a Sensor Based on Molecularly Imprinted Polymer
PP50	Serhat KARABICAK
	Determination of bioactivity properties of some bee pollens produced in the Western Black Sea region.
PP51	Kübra TURAN
	Development of a Novel Electrochemical MIP-based Sensor for Early Diagnosis of Alzheimer's Disease



PP52	Nazlıcan CANDAS
	Ultrasensitive Electrochemical Detection of Hepatocellular Carcinoma Biomarker Alpha-fetoprotein
PP53	Kübra ASLAN
	Evaluation of the anti-oxidant, anti-diabetic anticholinergic, and anti-glaucoma effect of Hackberries (<i>Celtis australis</i>) from the western region of Türkiye

