



06-10
December 2020
KARS
Turkey



9th

INTERNATIONAL
MOLECULAR
BIOLOGY AND
BIOTECHNOLOGY
CONGRESS

SCIENTIFIC PROGRAM

06.12.2020

14:30 15:00	The 9th International Molecular Biology and Biotechnology Congress Opening Talks
15:00 15:50	Plenary Lecture <u>Ulrich Schwaneberg</u> KnowVolution & CompassR empower protein engineering
16:00 16:50	Plenary Lecture <u>Zati Vatansver</u>



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07.12.2020

09:00 09:20	OP1 - Meltem Alper EGF (Epidermal Growth Factor) Suppresses ADAMTS-8 (A disintegrin and metalloproteinase with thrombospondin motif, 8) mRNA Expression in Saos-2 and MG-63 Osteosarcoma Models
09:20 09:40	OP2 - Nelin Hacıoğlu Determination of the effect of epidermal growth factor (EGF) on ADAMTS14 gene expression in osteosarcoma cell line
09:40 10:00	OP3 - Aysun Adan Differential response to midostaurin in non-mutated and mutated FLT3 expressing Acute Myeloid Leukemia
10:00 10:20	OP4 - Ayşe Gökhan Epigallocatechin gallate increases cytotoxicity of epirubicin-HCl in A-549 lung cancer cells
10:20 10:40	OP5 - Süleyman İlhan Comparative Analysis of the Cellular Effects of Palbociclib in 2D and 3D Breast Cancer Cell Lines
10:40 11:00	OP6 - Hüseyin İzgördü A Study on Inducing Cytotoxicity and Cell Death on Human Osteosarcoma Cells by N-Oleylethanolamine Application
11:00 12:00	Plenary Lecture Mehdi Davari Dolatabadi How to Design Enzymes for Catalysis in Organic Solvents: Insights from Combined Molecular Dynamics Simulation and Directed Evolution Study
12:00 13:30	BREAK
13:30 14:00	Plenary Lecture Severine Vignoud Drug Delivery Systems for Biomedical Applications
14:00 14:30	Plenary Lecture Bilal Demir State-of-The-Art for the Next Generation Transdermal Drug Delivery: On-demand Concept of Microneedles
14:40 15:00	OP7 - Seda Beyaz The Effect of Royal Jelly on Some Protein Signal Pathways Against Heart Damage Exposed by Fluoride in Rats
15:00 15:20	OP8 - Özlem Gök The Investigation of the Effect of Royal Jelly Against Liver Damage Through Some Protein Signaling Pathways
15:20 15:40	OP9 - Sevda Mert Development of in situ SERS substrate synthesis method in urine samples
15:40 16:00	OP10 - Zozan Güleken Investigating the effect of chronic ELF-MF exposure on the structure of red blood cells using IR spectroscopy; an experimental animal study
16:00 16:20	OP11 - Şeyda Yıldız Investigation of Magnetofection Conditions to Improve Transfection Efficiency by Using Magnetofectin Including a Reporter Gene
16:20 16:40	OP12 - Özlem Öztöpus The Effects of Toxic Dose of Cyclophosphamide on the Expression of Aquaporins and the Function of Heart Tissue
16:40 17:00	OP13 - Müge Mavioğlu Kaya A New Approach to Colorectal Cancer Treatment: Matrix Metalloproteinase Inhibitors



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09:00	OP14 - Dönsel Arslan
09:20	Synthesis of tRNA-fatty acid esters
09:20	OP15 - Kubilay Arslan
09:40	Screening and Production of Extracellular Enzymes from the Members of Three Different Streptomyces Species
09:40	OP16 - Elif Coşgunaras
10:00	Production and Purification of Recombinant β -Galactosidase Enzyme from Thermophilic Bacillus licheniformis BTX37 (MH101322)
10:00	Plenary Lecture
10:40	Barış Binay Discovering and Designing Biocatalysts: from Characterization to Industrial Implementation
10:40	OP17 - Perinur Bozaykut
11:00	Hypoxia-related mechanisms in cancer resistant animal models
11:00	OP18 - Görkem Deniz Sönmez
11:20	Investigation of total phenolic content and DNA protective effects of <i>Convolvulus betonicifolius</i> Miller subsp. <i>betonicifolius</i> and <i>Convolvulus betonicifolius</i> Miller subsp. <i>peduncularis</i> (Boiss.) PARRIS extracts and utility of RAPD markers in evaluating the polymorphism
11:20	OP19 - Aslı Pınar Zorba Yıldız
11:40	3D Therapeutic Approaches for Peripheral Nerve Damage
11:40	OP20 - Canan Vejselova Sezer
12:00	Exogenous Ceramide Application Approach for Treatment of Glioma Cells
12:00	BREAK
13:30	OP21 - Engin Asav
14:00	Biosensors: Promising and Useful Tools for Clinical Diagnosis
14:00	OP22 - Ayşenur Yardım
14:20	Investigation of rotation speed in the spin coating of biocomposite materials designed for biosensor applications
14:20	OP23 - Ayşe Usta
14:40	The effect of quinoa (<i>Chenopodium quinoa</i> willd) on necrotic cell death in rats with insulin resistance
14:40	OP24 - Aslı Göçenoğlu Sarıkaya
15:00	Biosorption of Direct Blue 9 textile dye by <i>Pleurotus ostreatus</i> fungal biomass
15:00	OP25 - Arif Sercan Şahutoğlu
15:20	Structural Comparison of Endo- β -N-acetylglucosaminidase Enzymes
15:20	Coffee Break
15:40	OP26 - Ersin Akgöllü
16:00	Effect of HLA gene rs3128917 polymorphism on active chronic hepatitis b virus activation
16:00	OP27- Tarık Mecit
16:20	The Effect of <i>Chlorella vulgaris</i> on Liver, Lung, Brain, Heart and Kidney Mapk, Lipid Peroxidation Antioxidant Enzyme Activity with Ethyl Alcohol Toxication
16:20	OP28 - Hanife Ardahanlı
16:40	Evaluation of Some Biochemical Parameters in Sheeps with Contagious Ecthyma
16:40	OP29 - Necla Pehlivan
17:00	A renewable energy chaperone for biofuel production by heavy metal(oid)s contaminated soil grown maize



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09.12.2020

09:00	OP32 - Seval Cing Yildirim
09:20	Antimicrobial Activity of <i>Cotinus coggygia</i> (Smoke tree) Loaded Microemulsion-Alg Microcomposites
09:20	OP31 - İmge Kunter
09:40	Cytotoxic Effects of Novel Diazaspiro Undecane Derivatives Against HCC Cancer Cells.
09:40	OP32 - Sümeyye Aydoğan Türkoğlu
10:00	In silico analysis of KLK4 Gene Promoter
10:00	Plenary Lecture
10:40	Gizem Dönmez The Investigation of Glutamate Metabolism and its Modulators in Glioblastoma
10:40	OP33 - Rümeyza Özyurt
11:00	Thymoquinone inhibits proliferation and induce apoptosis by modulating Notch signaling in HT29 cell line
11:00	OP34 - Deren Aslan
11:20	Effect of Aging on Adult Stem Cell Differentiation into Beta Cell-like Insulin Producing Cells
11:20	OP35 - Gülnaz Yıldırım Köken
11:40	Strategies to Improve the Quality Control Tests for Manufacturing of cGMP-grade Wharton Jelly Derived Mesenchymal Stem Cells
11:40	OP36 - Rahşan İlikçi Sağkan
12:00	Antileishmanial activity of the <i>Pinus brutia</i> Ten. bark extract and Pycnogenol on <i>Leishmania tropica</i> promastigote
12:00	BREAK
13:30	Plenary Lecture
14:00	Rahmi Lale The development of a titratable cell lysis system for intracellular products release from <i>Escherichia coli</i> in microfluidic droplets.
14:00	OP37 - Adem Güner
14:20	Protective Effects of Brown Algae <i>Cystoseira crinita</i> Duby against Zearalenone-Induced Genotoxic Effects
14:20	OP38 - Rafiq Gurbanov
14:40	Questioning the Use of Low-Dose Dimethyl Sulfoxide in Bacteria: Modulation of the Stress Response and Outer Membrane Protein Expressions in <i>Escherichia Coli</i>
14:40	OP39 - Nurcan Vardar Yel
15:00	Statistical Analysis of Growth Conditions of <i>Schizochytrium sp.</i> to Obtain High Yield of Docosahexaenoic acid
15:00	OP40 - Ebru Köroğlu
15:20	Biogenic copper nanoparticles: synthesis, characterization and antibacterial activity
15:20	Coffee Break
15:40	OP41 - Nasip Ümran Turan
16:00	Insight into effects of <i>Viscum album</i> extract on probiotic properties of <i>Lactobacillus rhamnosus</i>
16:00	OP42 - Melek Acar
16:20	Heterologous Expression of Pectin Methyltransferase from <i>Pectobacterium chrysanthemi</i> by <i>Pichia pastoris</i>
16:20	OP43 - Ebru Köroğlu
16:40	Synthesis and antibacterial activity of amino acid methyl ester Schiff base



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09:00 09:20	OP44 - Hilal Büşra Tokgöz Transcriptional Analyses of the Effects of <i>Catharanthus roseus</i> L. Medicinal Plant Extracts on Interleukin-6 and Collagen V Markers in 3T3-L1 Mouse Cell Lines
09:20 09:40	OP45 - Nur Kaluç Cadmium Tellurium Quantum Dot Triggers Caspase-Dependent Apoptosis in <i>Saccharomyces cerevisiae</i>
09:40 10:00	OP30 - Hüseyin Abdik The roles of conditioned media from the breast cancer cells in proliferation and angiogenesis capacities of the endothelial cells
10:00 10:40	OP47 - Ayşegül Yıldız Regulation of p60-katanin expression by microRNAs
10:40 11:00	OP48 - Ayşe Özmen Yaylacı Some Possible Mitophagy Pathways in Liver Regeneration
11:00 11:20	OP49 – Ülküye Dudu Gül Health Risks Caused by Fungal Exposure
11:20 11:40	OP50 - Pakize Cantürk Kılıçkaya Conventional and new therapeutics targeting topoisomerases in drug development
11:40 12:00	OP51 - Mücahit Seçme Determination of anti-invasive, anti-proliferative and anti-migratory effects of carvacrol in Caco-2 colon cancer cells
12:00 13:30	BREAK
13:30 14:00	OP52 - Ozan Kılıçkaya In-silico Vaccine Design against <i>Brucella abortus</i>
14:00 14:20	OP53 - Ayşegül Saral Comparative calculation of estimated free binding energy between CTX-M-15 and Quercetin, β -lactamases inhibitors by MMGBSA method
14:20 14:40	OP54 - Deniz Aygören Uluer Angiosperm DNA Barcoding: Is It Realistic or Just a Dream?
14:40 15:00	OP55 - Yunus Şahin Meta-RNA-seq analysis gives insight into AOX1a expression under drought stress in <i>Arabidopsis thaliana</i>
15:00 15:20	Coffee Break
15:20 15:40	OP56 - Burçak Yavuz A New Approach to Biomarker Of Parkinson's Disease Exosomes
15:40 16:00	OP57 – Efe Berk Bozkurt Metagenomic data analysis and characterization for the inhibitory effect of a novel <i>Serratia fonticola</i> strain against fungicide-resistant <i>Botrytis cinerea</i>
16:00 16:20	OP58 – Mehmet Kadir Erdoğan Apoptotic Effects of <i>Anethum graveolens</i> and <i>Eruca vesicaria</i> on HT-29 Colorectal Adenocarcinoma Cells
16:20 16:40	Closing Ceremony
16:40 17:00	