

September 11, 2023	
09:00-09:15	OPENING KEYNOTE LECTURE
Session Chair: Assoc. Prof. Dr. Güliz AK DEMİROZ	
09:15-09:45	<i>Invited Speaker:</i> Prof. Dr. Figen ZİHNİOĞLU, Ege University “Peptidomics: General approach to the study of endogenous bioactive peptides”
09:45-10:15	<i>Invited Speaker:</i> Prof. Dr. Uğur SEZERMAN, Acıbadem Mehmet Ali Aydınlar University “Personalized medicine in the omics data era”
10:15-10:30	COFFEE BREAK
Session Chair: Assoc. Prof. Dr. Çığır BİRAY AVCI	
10:30-12:30	ORAL PRESENTATIONS
1	<b>Ecem Kaya-Sezginer:</b> Circulating levels of soluble vascular endothelial growth factor receptor-2 (sVEGFR-2) are elevated in women with polycystic ovary syndrome
2	<b>Seda Keskin:</b> Investigation of age-related histological hepatic alterations after administration of intermittent fasting
3	<b>Melisa Gülcan:</b> Solutions of the modified Sihler’s staining technique
4	<b>Ferhat Şirinyıldız:</b> Altered electroencephalogram recordings in sleep apnea
5	<b>Eser Çakmak:</b> The effect of olanzapine in the bipolar mania model
6	<b>Simge Unay:</b> Relationship between HMGB1 and chemotherapy-induced peripheral neuropathy
7	<b>Ferhat Şirinyıldız:</b> Relationship between circadian rhythm, melatonin and obesity
8	<b>Ferdi Oğuz:</b> Investigation of the role of IFNγ signaling pathway in response to BRAF inhibitors in A375 and SK-MEL-1 human melanoma cells
12:30-13:30	LUNCH
Session Chair: Prof. Dr. Burcu OKUTUCU	
13:30-15:30	ORAL PRESENTATIONS
1	<b>Ümmühan Çakmak:</b> Comparative evaluation of antioxidant and antidiabetic activities of fruit extracts from diverse regions of Trabzon
2	<b>Ümmühan Fulden Aydın:</b> In vitro evaluation of doxorubicin loaded chitosan-hyaluronic acid nanoparticles in two different cancer cell lines
3	<b>Aslı Bayrakdarlar:</b> Preparation of liposomes for use in glioblastoma treatment and in vitro studies
4	<b>Eylül Atan:</b> Preparation of liposomes containing nanoparticles combined with levothyroxine for use in thyroid diseases
5	<b>Ece Uğurlu:</b> Gel formulation of bio-synthesized zinc oxide nanoparticles loaded with antibiotic for use in skin infections
6	<b>Hilal Fazlı:</b> Preparation and characterization of axial disubstituted silicon phthalocyanine modified nano TiO <sub>2</sub> thin films
7	<b>Nesrin Haşimi Besen:</b> Antioxidant activity of Bellevalia sasonii
8	<b>Serkan Aydın:</b> Synthesis and characterization of silver nanoparticle-loaded albumin nanoparticles as cisplatin carrier for breast cancer therapy
15:30-15:45	COFFEE BREAK
Session Chair: Assist. Prof. Dr. Habibe YILMAZ	
15:45-17:15	ORAL PRESENTATIONS
1	<b>Yakup Gültekin:</b> Formulation and evaluation of oro-dispersible tablets containing trandolapril-cyclodextrin complex
2	<b>Yalçın Çelik Aydın:</b> Optimal solvent selection: development of a spectrophotometric quantification method for plant oil-based SNEDDS formulation
3	<b>Emine Esin Çalışkan:</b> Synergistic drug delivery strategies for colorectal cancer therapy
4	<b>Özden Tarı:</b> Artificial intelligence applications in drug design
5	<b>Abdullah Yücel Baba:</b> Investigation of the antibiofilm potential of Ganoderma lucidum as a potential food additive source
6	<b>Ramazan Yağmurtaşan:</b> Alzheimer's disease and investigation of the structure of anti-alzheimer active compounds
17:15-17:30	COFFEE BREAK
17:30-18:30	ONLINE COURSE Dr. M. Burak BATIR: "CRISPR/CAS9 ACCELERATED COURSE"

September 12, 2023	
Session Chair: Assoc. Prof. Dr. Harika ATMACA İLHAN	
09:00-09:30	<i>Invited Speaker:</i> Prof. Dr. Abdullah TULİ, Cukurova University “DNA-based biosensors: Haemoglobinopathies and future perspectives”
09:30- 09:45	COFFEE BREAK
Session Chair: Assoc. Prof. Dr. Süleyman İLHAN	
09:45-12:00	ORAL PRESENTATIONS
1	Ergün Taşkın: Distribution of the seagrass Posidonia oceanica on the Aegean coasts of Türkiye
2	Öznur Yazılan Çamlık: Biodiversity of marine Cladophorales on coasts of İzmir (Aegean Sea, Türkiye)
3	İrem Nur Güngör: Investigation of the histopathological effects of different concentrations of borax on Eisenia fetida
4	Özkan Kilin: Alterations of Ca <sup>+2</sup> , pH, and reactive oxygen species in spermidine treated pollen tubes of Actinidia deliciosa
5	Muhterem Elif Demirağ: Toxic effects of phosmet on non-target organisms
6	İbrahim Halil Hatipoğlu: Solution-centric approach: micropropagation of R. odorata and R. rugosa with emphasis on solvent modification and hormonal effects
7	Murat Telli: Comparative de novo transcriptome analysis and random uv mutagenesis: Application in high biomass and astaxanthin production enhancement for Haematococcus pluvialis
8	Cem Güler: In silico characterization of pharmacokinetic and toxicity parameters of prevalent monosaccharides associated with mammalian glycans in glyconanotechnology applications
9	Meliha Ekinci: Radiolabeling, quality control and in vitro evaluation of [ <sup>99m</sup> Tc]Tc-HMPAO-exosomes for wound healing
12:00-13:00	LUNCH
Session chair: Dr. Yusuf BAYRAKCI	
14:00-16:30	POSTER PRESENTATIONS
Session Chair: Assoc. Prof. Dr. Güliz AK DEMİROZ	
13:00-13:30	<i>Invited Speaker:</i> Assoc. Prof. Dr. Açelya YILMAZER AKTUNA, Ankara University “2D nanomaterials: From cancer research to antivirals”
13:30-15:15	ORAL PRESENTATIONS
1	Mine Akgün: Immobilization of Candida rugosa lipase by conformational design approach to obtain effective catalysts at ester production
2	Fulya Oz Tuncay: Phytochemical screening and anti-tyrosinase activity of three endemic plants grown in Trabzon region
3	Şevval Güney: Gold nanoparticle glycoconjugates targeting cancerous cell lines
4	Sedanur Sel: Gold nanoparticle glycoconjugates improve the antibacterial activity of colistin
5	Mehmat Aykur: Efficacy of green synthesis of nickel, copper and silver nanoparticles using Thymus serpyllum extract against Acanthamoeba castellanii
6	Neslihan Güngör: The usage of vegetable plant protein supported superabsorbent polymer in agriculture
7	Çisil Çamlı Pulat: Exploring anti-cancer constituents and cytotoxic effects of Feijoa sellowiana fruit extract on breast cancer
15:15-15:30	COFFEE BREAK
Session Chair: Prof. Dr. Seçil ÖNAL	
15:30-17:15	ORAL PRESENTATIONS
1	Alper Biçer: Preparation and determination of thermal properties of wood ash/lauric Acid (LA) composite for thermal energy storage
2	Şirin Nuray Özsoy: Removal of sirius blue from aqueous solutions by Craterellus cornucopioides biomass
3	Büşra Karkar: The use of cross-linked sodium alginate hydrogels prepared loaded with tropical fruit wastes as biosorbent
4	Ceren Gündoğdu: The usage of solid-state nuclear track detectors in radon adsorption
5	Alper Solmaz: Performance evaluation of anoxic/aerobic treatment unit using disc aerator with surface agitator: Case of Kayseri sugar factory
6	Talip Turna: Performance evaluation of continuous stirred tank reactors (CSTR-LESAR): Case of Kayseri sugar factory
7	Merve Cümert: The effects of different extraction methods on the antioxidant activity capacity of Inula viscosa L.
17:15-17:30	COFFEE BREAK
17:30-18:30	<i>Invited Speaker:</i> Dr. Nurşah ERTUNÇ, Simon Fraser University "NEXT GENERATION SEQUENCING (NGS) COURSE"

September 13, 2023	
Session Chair: Dursun DEMİROZ	
09:00-09:30	<i>Invited Speaker:</i> Prof. Dr. Efendi NASİBOĞLU, Dokuz Eylül University “Intelligent systems and fuzzy logic”
Session Chair: Assist. Prof. Dr. Simge ÜNAY	
09:30-10:00	<i>Invited Speaker:</i> Prof. Dr. Algimantas Kriščiukaitis, Lithuanian University “Mathematical morphology, multivariate analysis and other classical image processing methods in age of machine learning”
10:00-10:30	<i>Invited Speaker:</i> Prof. Dr. Onur ŞAHİN, Sinop University “X-ray in molecular characterization”
10:30-10:45	COFFEE BREAK
Session Chair: Assoc. Prof. Dr. Metin BİLGE	
10:45-12:45	ORAL PRESENTATIONS
1	<b>Fatimat Bughluyeva:</b> An ivestigation of self-organized complexity in one-dimensional atomic chain
2	<b>Aylar Narimani:</b> Investigating the ion conductivity of Li0.29Sr0.6Mn0.2Cr0.1Ti0.7O3 as a solid electrolyte for Li-ion batteries
3	<b>Erdoğan Oz:</b> Transition metal substitution effects on structural and electrochemical performance of in high nickel Li-ion cathode material
4	<b>Reşit Özmenteş:</b> Effect of annealing on optical band gap energy of tin oxide thin films
5	<b>Ahmet Çelikoğlu:</b> Non-extensive statictical physics analysis of earthquakes
6	<b>İlayda Sapmaz:</b> The usability of soil gas CO <sub>2</sub> anomalies and <sup>222</sup> Rn/ <sup>220</sup> Rn ratios along the İzmir Fault Zone as precursors for the definition of fault activity
7	<b>Gülse Masruoğlu:</b> The ongoing study on indoor radon levels in primary schools
8	<b>Nazım Karaali:</b> An extended theoretical study on 6Li(3He,d)7Be reaction
12:45-14:00	LUNCH
Session Chair: Assoc. Prof. Dr. Arif GÜRSOY	
14:00-16:00	ORAL PRESENTATIONS
1	<b>Emel Zeray Öztürk :</b> A Matlab-based software package for computing 3D similarity transformations
2	<b>İbrahim Şanlıbaba:</b> A new approach to decision making in multi-fuzzy soft sets
3	<b>Eda Nur Aydın:</b> Modeling of celiac diagnosis with fuzzy logic method in machine learning
4	<b>Emel Zeray Öztürk:</b> A Matlab-based software package for converting coordinates in different formats and projections
5	<b>Abdullah Asım Yılmaz:</b> A novel deep-learning-based model for breast cancer detection
6	<b>Ozan Ateş:</b> Improvement of disaster logistics by independence axiom approach
7	<b>Veysel Çoban:</b> Emergency shelter location selection using the Novel Sine Trigonometry TOPSIS method based on the Aczel-Alsina function
8	<b>Zeynep Şebnem Yakar:</b> The role of food components in new product development
16:00- 16:30	COFFEE BREAK
16:30-17:00	CLOSING CEREMONY

“Poster presentations will be held on September 12, 2023 between 14:00-16:30 pm via the link provided.”