



**enviro**



# **5** INTERNATIONAL ENVIRONMENTAL CHEMISTRY CONGRESS

30 October - 02 November 2023

ANTALYA TÜRKİYE

# CONGRESS PROGRAM



# October 30, 2023, Monday

08:30-10:30	Registration	Registration Desk
10:30-11:00	<b>Convention 2</b> Opening Ceremony	
	<b>Session 1 – Chair: Prof Sait C. SOFUOĞLU</b>	<b>Convention 2</b>
11:00-11:40	<b>Invited Speaker 1 (IS 1)</b> Prof Jacob de BOER How PFAS are threatening our daily life?	
11:40-12:20	<b>Invited Speaker 2 (IS 2)</b> Prof Miguel de la GUARDIA From green to democratic Analytical Chemistry	
12.20-13.30	<b>Lunch</b>	
	<b>Session 2 – Chair: Prof Bekir SALİH</b>	<b>Convention 2</b>
13:30-14:10	<b>Invited Speaker 3 (IS 3)</b> Prof Mustafa M. DEMİR Recovery of Li from geothermal resources by adsorption using MnO <sub>2</sub> polymorphs as sorbent material	
14:10-14:25	<b>Oral Presentation 1 (OP 1)</b> Karhan ÖZDENKÇİ Integration of hydrothermal processes to biomass sectors for circular economy	
14:25-14:40	<b>Oral Presentation 2 (OP 2)</b> Özgür ARAR Removal of Antimony(V) from aqueous solutions by electrodeionization	
14:40-15:00	<b>Coffee Break</b>	

	Session 3A – Convention 2 Chair: Prof Nurdan BÜYÜKKAMACI	Session 3B – Convention 1 Chair: Prof Erol PEHLİVAN
15:00-15:15	Oral Presentation 3 (OP 3) Vahid VATANPOUR Ti <sub>2</sub> AIN MAX phase as a modifier of cellulose acetate membrane for improving antifouling and permeability properties in removal of dye, protein and lead ions	Oral Presentation 7 (OP 7) Is FATIMAH Green synthesis approach of metal-doped hydroxyapatite nanocomposite as functional biomaterial
15:15-15:30	Oral Presentation 4 (OP 4) Yaşar Kemal RECEPOĞLU Utilization of phosphorylated hazelnut shell waste in a column for continuous lithium recovery from water	Oral Presentation 8 (OP 8) Zeynep CEYLAN Accumulation of 2,4-Dichlorophenol in hydroponically cultivated <i>Datura stramonium</i> L. and its relationship with antioxidant system
15:30-15:45	Oral Presentation 5 (OP 5) Maria ULFA Methylene blue photodegradation efficiency of iron-titanium oxide from multitemplate system	Oral Presentation 9 (OP 9) Budi HASTUTI Synthesis and characterization of bead polyelectrolyte complex chitosan-alginate to overcome of drug pollutants
15:45-16:00	Oral Presentation 6 (OP 6) Saniye KARAKAYA Effect of (Ce, Er) co-doped ZnO thin films on the optical, surface and photocatalytic properties deposited by spray pyrolysis	Oral Presentation 10 (OP 10) Ebru MANAV AKYAR Dioxins with high resolution ion mobility GC-APCI
16:00-16:15	<b>Coffee Break</b>	
	Session 4A – Convention 2 Chair: Prof Vahid VATANPOUR	Session 4B – Convention 1 Chair: Assoc Prof Katya PEYCHEVA
16:15-16:30	Oral Presentation 11 (OP 11) Saptono HADI Characterization of pectin-chitosan-poli (vinyl alcohol) cross-linked with bisphenol a diglycidyl ether (BADGE) as dialysis membrane	Oral Presentation 15 (OP 15) Neval BAYCAN Seasonal variation of microplastic pollution in terrestrial inland waters
16:30-16:45	Oral Presentation 12 (OP 12) Serhad TILKI Preparation of novel magnetic adsorbents by one-step modification method for recovery of uranium ions from aqueous medium	Oral Presentation 16 (OP 16) Nefise ALYÜRÜK The fate of microplastics in wastewater treatment plants at organized industrial zones: an assessment study based on seasonal variations
16:45-17:00	Oral Presentation 13 (OP 13) Galih Dwiki RAMANDA Biochar-Ni from palm leaves waste as low-cost photocatalyst for methyl orange photocatalytic oxidation	Oral Presentation 17 (OP 17) Pınar Sevim ELİBOL Enhanced photocatalytic performance of CdSeTe and CdSeTe/ZnS quantum dots for methylene blue degradation
17:00-17:15	Oral Presentation 14 (OP 14) Hakan ALYÜRÜK Characterization of a continuous flow reactor for a two-step derivatization reaction in environmental analysis	Oral Presentation 18 (OP 18) Merve KORAL Assessment of triclosan effects on marine phytoplankton growth
17:15-17:30	<b>Coffee Break</b>	
17:30-18:30	<b>WORKSHOP</b> Prof Miguel de la GUARDIA	
19:30	<b>Dinner</b>	

# October 31, 2023, Tuesday

Session 5 – Chair: Prof Perihan B. KURT-KARAKUŞ		Convention 2
09:30-10:10	<b>Invited Speaker 4 (IS 4)</b> Prof Gerhard LAMMEL Polycyclic aromatic compounds in the environment – distribution and transports	
10:10-10:50	<b>Invited Speaker 5 (IS 5)</b> Assoc Prof Zeynep ÇETECİOĞLU-GÜROL Biorefinery concept for circular cities: next generation municipal wastewater treatment plants	
10:50-11:00	<b>Coffee Break</b>	
	<b>Session 6A – Convention 2</b> Chair: Prof Serpil YENİSOY-KARAKAŞ	<b>Session 6B – Convention 1</b> Chair: Prof Is FATİMAH
11:00-11:15	<b>Oral Presentation 19 (OP 19)</b> Perihan Binnur KURT-KARAKUŞ Phthalates in diapers: Assessment of environmental phthalate release	<b>Oral Presentation 23 (OP 23)</b> Ali OLAD Environmentally sustainable leather tanning: preparation and application of oxidized carboxymethyl cellulose (OCMC) as an eco-friendly pre-tanning agent to reduce chrome tanning pollution
11:15-11:30	<b>Oral Presentation 20 (OP 20)</b> Hatice KARADENİZ Occupational health and safety evaluation of biogenic and anthropogenic VOC emissions in car paints workplace and artists' paint workplace	<b>Oral Presentation 24 (OP 24)</b> Esra YEL Contribution of detergent processing wastewater to treatment of marble processing wastewater in dispersed air flotation
11:30-11:45	<b>Oral Presentation 21 (OP 21)</b> Yetkin DUMANOĞLU Investigation of organophosphate esters concentrations in air due to e-waste processing facility emissions in Turkey	<b>Oral Presentation 25 (OP 25)</b> Dilek DEMİR Polyelectrolyte distribution system; a budget friendly approach
11:45-12:00	<b>Oral Presentation 22 (OP 22)</b> Tuğçe DEMİR Determining the fate of volatile methyl siloxane compounds during the electro-dewatering of the waste activated sludge	<b>Oral Presentation 26 (OP 26)</b> Serdar AKSAN Effect of ocean acidification on morphometric parameters of marine calcifying organism
12:00-13:30	<b>Lunch</b>	
	<b>Session 7 – Chair: Prof Yücel KADIOĞLU</b>	<b>Convention 2</b>
13:30-14:10	<b>Invited Speaker 6 (IS 6)</b> Emirhan YETERLER Sustainability in the bedding industry: challenges and opportunities	
14:10-14:25	<b>Oral Presentation 27 (OP 27)</b> Aşkın BİRGÜL Polychlorinated biphenyls (PCBs) in Turkish home-made butter samples and assessment of human exposure	
14:25-14:40	<b>Oral Presentation 28 (OP 28)</b> Hale DEMİRTEPE Semi-volatile organic compounds in primary school classrooms	

14:40-15:00	<b>Coffee Break</b>	
	<b>Session 8A – Convention 2</b> Chair: Prof Neval BAYCAN	<b>Session 8B – Convention 1</b> Chair: Assoc Prof Nassiba BAIMATOVA
15:00-15:15	Oral Presentation 29 (OP 29) Nurdan BÜYÜKKAMACI Ionic liquid recovery from water phase via aqueous two-phase extraction	Oral Presentation 33 (OP 33) Çağrı ŞAHİN Levels of submicron particles in a school
15:15-15:30	Oral Presentation 30 (OP 30) Hatice KILINÇ Preparation of a national reference material pesticide mixture for environmental analysis	Oral Presentation 34 (OP 34) Ersan GÜNEL Linear and cyclic volatile methyl siloxanes in house dust and indoor air in Izmir, Turkey
15:30-15:45	Oral Presentation 31 (OP 31) Aşkın BİRGÜL Human exposure and health risk assessment of mercury in air from informal e-waste recycling sites in Pakistan	Oral Presentation 35 (OP 35) Zülfikar AKMERMER Development of an efficient method to determine semi-volatile organic compounds using silicone wristbands as novel passive sampler material
15:45-16:00	Oral Presentation 32 (OP 32) Avni BERISHA Graphene oxide's potential as an adsorbent: analyzing pentachloronitrobenzene adsorption using cutting-edge computational techniques	Oral Presentation 36 (OP 36) Mesut GENİŞOĞLU Occurrence and dust-gas partitioning phenomenon of indoor legacy and emerging flame retardants, and associated health risks
16:00-16:15	<b>Coffee Break</b>	
	<b>Session 9A – Convention 2</b> Chair: Prof Gülay BAYRAMOĞLU	<b>Session 9B – Convention 1</b> Chair: Prof Sibel TUNÇ
16:15-17:10	<b>Short Oral Presentations (SOP 1 - SOP 12)</b>	<b>Short Oral Presentations (SOP 13 - SOP 23)</b>
17:10-18:30	<b>Poster Presentations (PP 1 - PP 21) Convention 1</b>	
19:30	<b>Dinner</b>	

# November 01, 2023, Wednesday

	Session 10 – Chair: Prof Duran KARAKAŞ		Convention 2
09:30-10:10	<b>Invited Speaker 7 (IS 7)</b> Dr Karla POZO Plastic pollution and their impacts: Macro to microplastics in Rivers		
10:10-10:50	<b>Invited Speaker 8 (IS 8)</b> Prof Selahattin İNCECİK Potential impacts on air pollutants from future regional climate projections		
10:50-11:00	Coffee Break		
	Session 11A – Prof Esra YEL	Convention 2	Session 11B – Assist Prof Hale DEMİRTEPE
11:00-11:15	<b>Oral Presentation 37 (OP 37)</b> Jeton HALILI Heavy metal contamination assessment in soil and plants near thermal power plants in the Kastriot Region, Kosovo		<b>Oral Presentation 41 (OP 41)</b> Duran KARAKAŞ Quantifying real-world PAH contributions by exhaust and non-exhaust emissions using EFECT method
11:15-11:30	<b>Oral Presentation 38 (OP 38)</b> Ali OLAD A nanocomposite hydrogel based on grafted-carboxymethyl cellulose/metal-organic framework (MOF, MIL-53 (Fe)) for slow release of water and fertilizers in sustainable agricultural applications		<b>Oral Presentation 42 (OP 42)</b> Parisa Akbari DANA Performance of collection substrates for airborne microplastics (<10 µm) in a cascade impactor
11:30-11:45	<b>Oral Presentation 39 (OP 39)</b> Ayça TÜRKER The impact of pollution sources on the nitrogen – phosphorus balance in drinking water basins that rural area feature and solution proposals, case of Ankara		<b>Oral Presentation 43 (OP 43)</b> Ercan BERBERLER Elimination of interferences encountered in atmospheric sampling of particulate phase organic carbon
11:45-12:00	<b>Oral Presentation 40 (OP 40)</b> Seyra TOPRAK Hydrothermal synthesis of spinel MnO <sub>2</sub> starting from commercial γ-MnO <sub>2</sub>		<b>Oral Presentation 44 (OP 44)</b> Nassiba BAIMATOVA Characterization of organic and elemental carbon in the PM <sub>2.5</sub> fraction: the case of Almaty and Astana, Kazakhstan
12:00-13:30	Lunch		
	Session 12 – Chair: Prof Ali OLAD		Convention 2
13:30-14:10	<b>Invited Speaker 9 (IS 9)</b> Dr Aşan BACAĞ Atmospheric and Environmental Chemistry Laboratory (AECL), Türkiye's first reaction kinetics research facility: Experimental and computational reaction kinetics preliminary research results		
14:10-14:50	<b>Invited Speaker 10 (IS 10)</b> Ayla ÖNGÖREN Global and local perspectives on water management		

14:50-15:00 Coffee Break		
	Session 13A – Convention 2 Chair: Prof Zeynep CEYLAN	Session 13B – Convention 1 Chair: Prof Ahmet DEMİRRAK
15:00-15:15	<p>Oral Presentation 45 (OP 45) Melek ÖZDEMİR</p> <p>Interactions of organic contaminants with UV-aged PE type microplastics: experimental and LSER model approach</p>	<p>Oral Presentation 49 (OP 50) Esra YEL</p> <p>A novel compatibilizer obtained from olive pomace oil maleate (OPOMA) and evaluation in PLA composite production</p>
15:15-15:30	<p>Oral Presentation 46 (OP 46) Ravkat MUKHTAROVA</p> <p>Health and economic impact of air pollution in cities of Kazakhstan</p>	<p>Oral Presentation 50 (OP 51) Damla ATAKENT</p> <p>A Study on ab initio and kinetic modelling: Impact of marine macroalgae on atmosphere oxidation capacity</p>
15:30-15:45	<p>Oral Presentation 47 (OP 47) Madina TURSUMBAYEVA</p> <p>Cities of Central Asia: New hotspots of air pollution in the world</p>	<p>Oral Presentation 51 (OP 52) Esin BALCI</p> <p>Feasibility study on enzymatic biodegradation of phthalic acid esters-contaminated soils by esterase from <i>Geobacillus sp.</i></p>
15:45-16:00	<p>Oral Presentation 48 (OP 48) Ercan BERBERLER</p> <p>Determination of interferences with particle phase PAH levels in atmospheric sampling</p>	<p>Oral Presentation 52 (OP 53) Yücel KADIOĞLU</p> <p>Central composite design-based optimization for the enhanced removal of moxifloxacin antibiotic from wastewater using hollow carbon spheres as adsorbents</p>
16:00-16:15	<p>Oral Presentation 48 (OP 49) S. Sinan KESKİN</p> <p>Trace element concentration profiles in Tuz Lake sediments</p>	<p>Oral Presentation 52 (OP 54) Erol PEHLİVAN</p> <p>Methylene blue removal using Nano-TiO<sub>2</sub>/MWCNT/Chitosan hydrogel composite beads in aqueous medium</p>
16:15-16:30 Coffee Break		
	Session 14 – Chair: Prof Fatma DEMİRKAYA MİLOĞLU Convention 1	
16:30-17:30	Poster Presentations (PP 22 - PP 42)	
17:30-18:30	<p>WORKSHOP Convention 2</p> <p>Dr Aşan BACAĞ</p>	
19:30	Dinner	

# November 02, 2023, Thursday

	Session 15 – Chair: Prof S. Sinan KESKİN	Convention 2
09:00-09:15	<b>Oral Presentation 53 (OP 55)</b> Mentor ISMAILI The GC-FID fatty acid analysis of the calf meat: The dependence of pasture vs. food farming systems	
09:15-09:30	<b>Oral Presentation 54 (OP 56)</b> Elif ŞİMŞEK Investigation of the transport, fate, and treatment of Diclofenac	
09:30-09:45	<b>Oral Presentation 55 (OP 57)</b> Ayşenil ŞENCAN Investigation and evaluation of nitrate pollution in Kurtboğazi, Eğrekkaya, and Akyar Dams	
09:45-10:00	<b>Oral Presentation 56 (OP 58)</b> Zhala GACHAYZADE Microplastic analysis in soil: basis for establishing an operating procedure	
10:00-10:15	<b>Oral Presentation 57 (OP 59)</b> Nihad CHAKRI Comparative study of the chemical characterization of Pozzolan and gravel as filtering materials	
10:15-10:30	<b>Oral Presentation 59 (OP 60)</b> Parisa Akbari DANA Sample pretreatment to determine inhalable microplastics in atmospheric size segregated particles (<10 µm)	
10:30-10:45	<b>Coffee Break</b>	
10:45-12:00	<b>Closing Session</b> <b>Awards for Poster Presentation</b> <b>Closing Ceremony</b>	



## SHORT ORAL PRESENTATIONS (SOP)

<b>SOP-1</b>	<b><u>Yassmina ANGAR</u></b> Use of a novel bacteria strains for the treatment of industrial wastewater treatment
<b>SOP-2</b>	<b><u>Wafa SOUDANI</u></b> Pharmacokinetic profile and toxicity of the active compounds of <i>Eucalyptus globulus</i> from Est-Algeria
<b>SOP-3</b>	<b><u>Ahmet DİNÇ</u></b> Chemical pre-treatment techniques to improve anaerobic digestion of sewage sludge and enhancement biomethane yields
<b>SOP-4</b>	<b><u>Mustapha BOUNECHADA</u></b> Evaluation of the protoscolicidal effect of essential oil of <i>Rosmarinus officinalis L.</i> on hydatid cyst
<b>SOP-5</b>	<b><u>Fathi BAHRİ</u></b> Extremely-consistent dielectric capacitors with excellent comprehensive dielectric permittivity characteristics using (Ba, Sr) (Ti, Zr) O <sub>3</sub> lead-free ceramic-based relaxor ferroelectrics
<b>SOP-6</b>	<b><u>İlir MAZREKU</u></b> Effects of cadmium chloride (CdCl <sub>2</sub> ) on the physiological parameters of spermatogenesis in mus musculus – swiss albino
<b>SOP-7</b>	<b><u>Halim Aytekin ERGÜL</u></b> A preliminary study on microplastic pollution in an organized industrial zone offshore sediment from south-east coast of the Marmara Sea
<b>SOP-8</b>	<b><u>Salman Al Faridzy AKBAR</u></b> Green approach on synthesis of Au/g-C <sub>3</sub> N <sub>4</sub> photocatalyst for dye degradation
<b>SOP-9</b>	<b><u>Hiroko Kawaii WIJAYANTI</u></b> Evaluation of silica-coated nickel ferrite as dye adsorbent
<b>SOP-10</b>	<b><u>Fadhila ANGGRAINİ</u></b> Effect of pH on synthesis of WO <sub>3</sub> nanoparticles for photocatalytic degradation of dye
<b>SOP-11</b>	<b><u>Sahli LEILA</u></b> Assessing fresh water sediment quality using a multidisciplinary approach: chemistry, benthic invertebrate community and ecotoxicity tests
<b>SOP-12</b>	<b><u>Zeynep CEYLAN</u></b> Investigation of effects of Erzurum Urban Biological Treatment Plant Waste Sludge (EBIWAS) on heavy metal accumulation in Birch Tree ( <i>Betula pendula Roth.</i> ) sampling grown for landscape purposes
<b>SOP-13</b>	<b><u>Ufuk ÇİMEN</u></b> Development of UV-curable water-based coatings

<b>SOP-14</b>	<b><u>Sevilay DURAL</u></b> Environmentally friendly polyurethane derivatives: synthesis and application of waterborne polyurethane dispersions
<b>SOP-15</b>	<b><u>Fusun PELİT</u></b> Development of a green micro extraction procedure for the determination of polyaromatic hydrocarbons in electronic equipments
<b>SOP-16</b>	<b><u>İlknur ERBAŞ</u></b> Development of an extraction method for the determination of bisphenol a in aqueous samples by deep eutectic solvents
<b>SOP-17</b>	<b><u>Ebru Çalkan YILDIRIM</u></b> Optimization, validation and application of dispersive liquid liquid microextraction method for extraction of polyaromatic hydrocarbons in aqueous sample
<b>SOP-18</b>	<b><u>Fatma Demirkaya MİLOĞLU</u></b> The combination of a sericin and swimming exercise reduces achilles tendonopathy in rats through the TGF-BETA/SMAD pathway
<b>SOP-19</b>	<b><u>Büşra YÜKSEL</u></b> Application of central composite design (CCD) for optimization of ciprofloxacin antibiotic removal using hollow carbon spheres
<b>SOP-20</b>	<b><u>Kadir SEYHAN</u></b> Parameterizing the impact of climate change on sediment transport to fishing ports along the Black Sea in Türkiye
<b>SOP-21</b>	<b><u>F. Özge UYSAL</u></b> Microalgae cultivation in rose oil processing wastewater and water footprint, carbon removal
<b>SOP-22</b>	<b><u>Dhea Dining OCTAVIA</u></b> Green synthesis of WO <sub>3</sub> nanoparticles by using Beta vulgaris extract as photocatalyst for dye degradation under visible light irradiation
<b>SOP-23</b>	<b><u>Tülin DENİZ ÇİFTÇİ</u></b> Development of 'Stick Sieve', an innovative water treatment method using environmentally friendly novel adsorbents

## POSTER PRESENTATIONS (PP)

PP-1	<b><u>Mohamed DJEBBAR</u></b> Development of floating metformin hydrochloride pellets by solvent-free method
PP-2	<b><u>Katya PEYCHEVA</u></b> Risk assessment of essential and toxic elements in freshwater fish species from lakes near Black Sea, Bulgaria
PP-3	<b><u>Mustafa M. DEMİR</u></b> Strontium recovery from geothermal sources by adsorption using zeolites with various particle sizes
PP-4	<b><u>Buse BASKIN</u></b> Purification and immobilization of thermoalkaliphilic recombinant esterase enzyme
PP-5	<b><u>Beyza TAŞ</u></b> UV-curable membrane for metal removal
PP-6	<b><u>Elif KOYUNCU</u></b> The preparation of polymeric membrane with TSA for metal uptake
PP-7	<b><u>Sibel TUNÇ</u></b> Superhydrophobic composite sorbent prepared from sponge, inorganic mineral and alkoxy silane with long chain length for highly selective diesel recovery from diesel-water mixtures
PP-8	<b><u>Ceren ÖZCAN DİKER</u></b> Superhydrophobic sponge-based sorbent material for the selective removal of oils from oil-water mixtures
PP-9	<b><u>Osman DUMAN</u></b> Selective sorption of oil and organic solvent spills from water by inorganic-organic hybrid material: sorption kinetics, and stability, durability and reusability studies
PP-10	<b><u>Osman DUMAN</u></b> Superhydrophobic sorbent materials fabricated under scCO <sub>2</sub> atmosphere for the selective separation of oil-water mixtures: effect of sorbent density and porosity on the sorption capacity, separation efficiency and flux values
PP-11	<b><u>Mustapha BOUNECHADA</u></b> Efficacy of aqueous extract from <i>Melia azedarach</i> L. (Meliaceae) against larvae of <i>Culex pipiens</i> L. (Diptera: Culicidae) west Nile virus potential vector in Algeria
PP-12	<b><u>Fateh ALLAG</u></b> Fuzzy analysis of factors associated with air pollution in disease propagation
PP-13	<b><u>Elmina GADIROVA</u></b> Photolysis of sea water of the Caspian Sea

<b>PP-14</b>	<b><u>Elmina GADIROVA</u></b> Photochemical reactions in the GO+TiO <sub>2</sub> and nano-Al <sub>2</sub> O <sub>3</sub> systems
<b>PP-15</b>	<b><u>Fenni MOHAMED</u></b> Artificial neural network analysis of intensive vegetable farming practices and human health
<b>PP-16</b>	<b><u>Zeynep EREN</u></b> Advanced oxidation processes for the treatment of one of the important cyanobacterial toxin group: microcystins
<b>PP-17</b>	<b><u>Zeynep EREN</u></b> Micropollutants and their environmental fate
<b>PP-18</b>	<b><u>Ali ALKAN</u></b> Distribution of microplastics and some plastic additives derivatives in Değirmendere stream drainage area sediments
<b>PP-19</b>	<b><u>Fargana ALIYEVA</u></b> Determination of microquantities of iron (III) in oil sludge with a new reagent
<b>PP-20</b>	<b><u>Perihan Binnur KURT-KARAKUŞ</u></b> Assessment of heavy metal pollution and human exposure in soil samples from Mogadishu-SOMALIA
<b>PP-21</b>	<b><u>İlhan PEKGÖZLÜ</u></b> Monitoring the decolorization of methyl orange from the aqueous medium by the spectrophotometric method
<b>PP-22</b>	<b><u>İlhan PEKGÖZLÜ</u></b> The adsorption performance of K <sub>2</sub> Al <sub>2</sub> B <sub>2</sub> O <sub>7</sub> for the removal of Congo red from aqueous media
<b>PP-23</b>	<b><u>Miguel de la GUARDIA</u></b> Balance between main analytical features and green parameters for polychlorinated naphthalenes in environmental samples
<b>PP-24</b>	<b><u>Ziyarat PASHAYEVA</u></b> Possibilities for using ionic liquids in the polymerization process
<b>PP-25</b>	<b><u>Abdelhalim KHENCHOUCHE</u></b> The effects of air pollution on COVID-19 infection and mortality
<b>PP-26</b>	<b><u>Nazife ASLAN</u></b> Sensitive and cost effective disposable pencil graphite electrode for the voltametric detection of thiram pesticide in food

	<b><u>Narmin DADASHOVA</u></b>
<b>PP-27</b>	Comparative investigation of the influence of pH value of the system to the epoxidation of methylcyclopentene in the presence of re-pom
	<b><u>Serpil YENİSOY KARAKAS</u></b>
<b>PP-28</b>	Volatile organic compounds (VOCs) in the atmosphere of the university campus in Bolu, Türkiye: Ozone formation potential and source apportionment
	<b><u>Gülşah OZAN AYDIN</u></b>
<b>PP-29</b>	Multilayer flexible packaging film production by using post-industrial polyethylene waste
	<b><u>İlkay AÇIKGÖZ ERKAYA</u></b>
<b>PP-30</b>	Entrapment of fungus for removal of phenolic impurities in wastewater via biosorption
	<b><u>Sena Nur TURAL</u></b>
<b>PP-31</b>	Enzymatic degradation of a reactive dye using double layer polymer coated magnetic nanoparticles
	<b><u>Farida LARFI-DJERADA</u></b>
<b>PP-32</b>	Effect of pro-oxidant based on sodium and calcium on polypropylene thermooxidation
	<b><u>Murat KILIÇ</u></b>
<b>PP-33</b>	Preparation and characterization of super-adsorbent containing functional groups in one step and application of cationic dye removal
	<b><u>Cemil DİZMAN</u></b>
<b>PP-34</b>	Synthesis of a bio-based adsorbent by UV curing for cationic dye removal from wastewater
	<b><u>Cemil DİZMAN</u></b>
<b>PP-35</b>	Adsorption of methyl violet dye onto novel high performance bio-based adsorbent
	<b><u>Avni BERISHA</u></b>
<b>PP-36</b>	Lenalidomide drug delivery via 2D carbon nanomaterials – a theoretical study
	<b><u>Buse İRİTEPE</u></b>
<b>PP-37</b>	Analysis of soil samples from the Karaburun-Urta Peninsula: Assessing polycyclic aromatic hydrocarbon (PAH) contaminants
	<b><u>Şebnem GENİŞOĞLU</u></b>
<b>PP-38</b>	A comparison of arsenic removal techniques for irrigation water production
	<b><u>Mariya MITREVA</u></b>
<b>PP-39</b>	Development of a highly sensitive and reliable analytical method for determination of Microcystin-LR in drinking water
	<b><u>Mariya MITREVA</u></b>
<b>PP-40</b>	Haloacetic acids – Disinfection by-product

<b>PP-41</b>	<b><u>Abdenacer MOUFFOK</u></b> Evaluation of antimicrobial activity of <i>Allium sativum</i> L. extract and deep eutectic solvents
<b>PP-42</b>	<b><u>İlteriş Denizhan TOKGÖZ</u></b> The design and development study of a corona discharge ionization source for mass spectrometry







