

# ICOEST

9TH INTERNATIONAL CONFERENCE ON  
ENVIRONMENTAL SCIENCE AND TECHNOLOGY



May 17-21, 2023

**PROGRAM SCHEDULE**

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## ICENS & ICOEST 2023 Presentation Schedule

### 18 May 2023 - Oral Presentation

09:15 Opening Speech

#### A. Session Chairman: Hasan Bora Usluer

09:30 1144 - Adaptability of five mushroom species to the urban environment - Andreea Rebeka Zsigmond, Izolda Kántor, May Zoltán, István Urák,

09:40 1140 - EFFECT OF DRAW SOLUTION CONCENTRATIONS ON THE MEMBRANE FOULING OF ANAEROBIC MICROFILTRATION OSMOTIC MEMBRANE BIOREACTORS - Sumeyye Hasanoglu, Ilknur Yalcin Guney, Gulsum Yilmaz, Yasemin Kaya, Coskun Aydiner, Ilda Vergili, Z. Beril Gönder

09:50 1150 - Implications for marine pollution in a Chemical Tanker Collisions in the Strait of Çanakkale (Dardanelles) - HASAN BORA USLUER

10:00 1173 - Environmental function of black alder (*Alnus glutinosa* (L.) Gaertn.) trees based on structural indicators in Bosnia river basin - Mirsada Starčević, Dženana Kumalić, Azra Cabaravdić

10:10 1148 - USE OF DILUTED DRAW SOLUTION OF ANAEROBIC OSMOTIC MEMBRANE BIOREACTORS AS LIQUID FERTILIZER - Dilara Akyildiz, Ilknur Yalcin Guney, Sumeyye Hasanoglu, Yasemin Kaya, Gulsum Yilmaz, Z. Beril Gönder, Coskun Aydiner, Ilda Vergili

10:20 1174 - Modelling intra-annual phenology of black alder (*Alnus glutinosa* (L.) Gaertn.) in central Bosnia using Sentinel-2 data - Mirsada Starčević, Azra Cabaravdić

10:30 1142 - EVALUATION OF MEMBRANE FOULING IN BATCH FORWARD OSMOSIS PROCESS TREATING SLAUGHTERHOUSE WASTEWATER - Ilknur Yalcin Guney, Sumeyye Hasanoglu, Coskun Aydiner, Ilda Vergili, Z. Beril Gönder, Gulsum Yilmaz, Yasemin Kaya

#### B. Session Chairman: Burçin Özbay Kısasöz

11:00 2603 - Improvement of Stick-Slip Noise in Chassis Shock Absorbers - Abdurrahim ARKAN, Cem Güneri

11:10 2614 - Comparison of Support Systems Used in Underground Mining - KENAN ÇİFTÇİ, ZEHRA FUNDA AKBULUT, SONER GULER

11:20 2589 - Influence of Dry Sliding Test Temperature on Wear Properties of the PA 12 Composites - Burçin Özbay Kısasöz, İBRAHİM TÛTÛK, EBUBEKİR KOÇ, Sencer Süreyya Karabeyoğlu, ALPTEKİN KISASÖZ

11:30 2599 - ANALYSIS OF Y-BALANCE TEST DATA USED IN SPORTS SCIENCES WITH MACHINE LEARNING METHODS - Caner Ozcan, Suheda CİLEK, Bahar Ates Cakir

11:40 2615 - A General Evaluation of the Usage of Fly Ash in Concrete Mixtures - Zehra Funda Akbulut, Soner Guler

11:50 2590 - A Preliminary Study on Potentiodynamic Polarisation Behaviour of UNS S32760 Duplex Stainless Steel - Burçin Özbay Kısasöz

12:00 2591 - LAND COVER AND LAND USE CLASSIFICATION OF PATCH-BASED DENOISED SAR IMAGES - Caner Ozcan, Elif Meseci, Buse Yaren Tekin

12:10 2592 - Influence of microstructure properties on potentiodynamic polarisation behaviour of aged duplex stainless steel - Mehmet Moğoltay Ural, Alptekin Kısasoz, Burçin Özbay Kısasöz

12:20 2627 - A NEW FERMATEAN FUZZY WASPAS METHODOLOGY FOR THE LOCATION SELECTION PROBLEM - Hakan Aydoğan, Vildan Çetinsaya Özkır

#### C. Session

13:30 1135 - Electrochemical H<sub>2</sub>O<sub>2</sub> Production with Graphite Cathode for Anodic Oxidation Treatment - Aydanur Meşincigiller, Ömür Gökkuş

13:40 1137 - THE GREYWATER FOOTPRINT CALCULATION OF ERZURUM CITY'S URBAN WASTEWATER - Muhammed Selim ÖZDEMİR, Zeynep EREN

13:50 1157 - As a climate adaptation study, sea pollution arising from activities in fishermen's shelters and solution proposals - İlham BATUR, Yüksel ARDALI

14:00 1163 - EFFICIENCY OF ACTIVATED CARBON OBTAINED FROM ROSEHIP MARMALADE WASTE IN REACTIVE BLUE 28 DYE ADSORPTION - Sahra Dandil

14:10 1175 - The DETECTION and ANALYSIS of ANTIDEPRESSANTS in ERZURUM URBAN WASTEWATER TREATMENT PLANT - Nuray Erdoğdu, Zeynep Eren

14:20 1162 - Investigation of The Effect of Pore Sizes on DM Formation Time, and Cleaning Frequency - Müge Paçal, NESLİHAN SEMERCİ

14:30 1164 - Investigation of Adsorption Behavior of Activated Carbon Obtained from Chamomile and Kinetic Studies - Sahra Dandil

14:40 1167 - Investigation of the Effect of Ionic Liquid based Chitosan on Color Removal from Textile Wastewater Ahmet Şengülen, Nurdan Büyükkamacı, Duygu Totur Pamik, Serap Seyhan Bozkurt, İrem Kılıç

14:50 1136 - Removal of Diclofenac from Wastewater by means of Electrochemical Oxidation Method - Aydanur Meşincigiller, Ömür Gökkuş

#### D. Session

15:20 1168 - Environmental Effects of Using Renewable Energy in the Production of Recycled Fiber from Textile Scraps - Irem Kilic, Nurdan Büyükkamacı, Ahmet Şengülen, Sema Bahar Erdem

15:30 1139 - THE PILOT IMPLEMENTATION OF DEPOSIT RETURN SCHEME IN TURKEY FOR INCREASING RECYCLING RATES - Nurdan Taşarsu, Zeynep Eren

15:40 1134 - Carbon Footprint Estimation in Road Construction: Case Study of Karaman-Mersin - Gizem AYTAÇ, ZEYNEP EREN

15:50 1126 - Net Zero Water Building - Dino Obradović, Marija Sperac

16:00 1169 - Low-cost particulate matter monitoring device - Bimal Pal

16:10 1131 - Sustainable Design and Maintenance of Buildings - VALENTINA PLEŠA, DINO OBRADOVIĆ

16:20 1159 - The DETECTION of SURFACE WATER POLLUTIONS CAUSED by HARMFUL ALGAL BLOOMS (HABs) in ERZURUM - Mevra Emec, Zeynep Eren

16:30 2618 - Enhancing the Flame Resistance Properties of Kraft Papers Used as Archive-Storage Materials with Some MCC/CMC-Reinforced Chemicals - Derya USTAÖMER, Evren ERSOY KALYONCU

16:40 1143 - LIFE CYCLE ASSESSMENT for SUSTAINABLE SOLID WASTE MANAGEMENT in ERZURUM CITY - Kübra AR, Zeynep EREN

#### E. Session

17:10 1120 - Identification of key performance indicators using Delphi Method for integration of Urban Water Supply system, Planning and Management - Shama Parween, Rajan Chandra Sinha

17:20 1127 - Capital Structure and Use of Raspberry-Growing Enterprises in Bosnia and Herzegovina: Jelzno Polje Example - Eldina Muminović

17:30 1152 - Analysis of Bioclimatic Features of Vernacular Architecture – A Case Study of Vernacular Residential Buildings in Sarajevo - Nurin Zecevic, Sandra Martinovic, Azrudin Husika

18:20 2639 - Assessing the Sustainability of Electrocoagulation Treatment for Textile Wastewater in Dye Production Industry and Its Circular Economy Potential - Emine Şule Tecirli, Hanife San Erkan, Aleyna Birinci, Ali Dogancan Dogan, Yonca Tekyildiz

17:50 1130 - Distribution, Environmental and Potential Human Health Risk Assessment of PCDD/Fs and DL-PCBs in the Surface Sediments of Several Water Resources in Tekirdağ province, Türkiye - Kartal Cetinturk, Oltan canlı, Baris Guzel

18:00 1149 - Prevention of Mucilage on marine ecosystem by wastewater refinery approach: Struvite recovery - Emrah Şık, Recep Partal, Özgür Doğan, İrfan Baştürk, Birgül Elgis ERTAY

18:10 2602 - Analysis of Multi-Level Parabolic Leaf Spring Systems Designed by using Different Materials - Mehmet Bahadır Çetinkaya, Muhammed İçi

18:20 2627 - Effect of Boron Waste on Mechanical and Durability Properties of Concrete - Öznur Biricik, Süleyman Özen, Ali Mardani

18:30 2640 - The effect of metering plate and operation speeds of Pneumatic Precision Planters on planting performance with pea seeds - Anil Çay, Arda Aydın

18:40 1128 - THE DEGRADABILITY and TOXICITY ANALYSIS of MC-RR as a CYANOBACTERIAL TOXIN by ULTRASONOC OXIDATION - Zeynep EREN, Meliksah Tekin

18:50 2627 - Effect of air-entraining admixture usage rate on dynamic yield stress and viscosity in Portland cement systems containing urea - Öznur Biricik, Neslihan Caparoglu, Ali Mardani

19:00

## ICENS & ICOEST 2023 Presentation Schedule

### 19 May 2023 - Oral Presentation

#### A. Session Chairman: Mousa Ahmad Yousef Al-Dghaimat

- 09:30 2617 - Analysis of the Combined Usage of Plasticizer and Accelerator Effects on Microstructure for Mortar - MURAT TİMUR, Ilker Bekir Topçu
- 09:40 2605 - Structural, physical and thermal properties of PLA films plasticized with natural oil obtained from liquidambar orientalis - Zehra Hasanoğlu, Ali Durmus
- 09:50 2607 - Investigation of Lithium Content of Boron Tailings - Ceren Uygun, Mehmet Tannverdi
- 10:00 2622 - Forest Fire Detection Using Unmanned Aerial Images and Deep Learning Methods - Fatma Ozge Ozkok, Yucel Batu Salman
- 10:10 2600 - Fire Risk Assessment in High Rise Buildings with Combustible Aluminum Composite Panels - Mousa Ahmad Yousef Al-Dghaimat, AWAD SAAD, OSAMA ABUZIED
- 10:20 2594 - Fermentation of green smoothie by probiotic bacteria: Bioactive, microbiological and physicochemical properties - Selin KALKAN, Emine Kirkocoğlu, Zeliha Kaya, Mustafa Remzi Otağ
- 10:30 2598 - Exogenously applied polyphenols, a new perspective to mitigate abiotic stress damage in crops - Büşra Arkan
- 10:40 2597 - Edible films and coating as carrier for probiotics and their potential applications - Selin Kalkan, Mehmet Soner Emg'n, Mustafa Remzi Otağ

#### B. Session

- 11:00 2623 - Determining the Structural Performance of a Historic Water Supply Chimney - ÖZLEM ÜSTÜNDAĞ, BARIŞ GÜNEŞ, BARIŞ SAYIN
- 11:10 2582 - Prediction of Welded Bimrock Strength Using Artificial Neural Network and Regression Analyses - Özge Dinç Göğüş, Elif AVŞAR
- 11:20 2588 - Comparisons among computational tools for the simulation of mixed-mode crack propagation - MURAT SARIBAY
- 11:30 2624 - Analyzing Seismic Performance of a Timber Structure: Modeling and Analysis Considerations - ÖZLEM ÜSTÜNDAĞ, BARIŞ GÜNEŞ, BARIŞ SAYIN
- 11:40 2608 - Revised stratigraphy of Jurassic sediments from Köşrelik and Köşrelikkızıği Areas (N Ankara) - Kübra YAYAN, Hakan Özkeleş, MUHİTTİN GÖRMÜŞ
- 11:50 2620 - Utilization of PVC wastes on concrete bicycle roads - Hasan BAYLAVLI
- 12:00 2625 - Determination of Material Characteristics and Seismic Performance Assessment of Masonry Buildings with Timber and Reinforced Concrete Slab - ÖZLEM ÜSTÜNDAĞ, BARIŞ GÜNEŞ, SAVAŞ ERDEM, BARIŞ SAYIN
- 12:10 2609 - Benthic Foraminiferal Fossils: Indicators and Tracers of Climate Change - Kübra YAYAN
- 12:20 2621 - Utilization of PVC wastes on concrete roads - Hasan BAYLAVLI

#### C. Session

- 13:30 2626 - Nonlinear FEA Analysis for Determination of the Seismic Performance of RC Buildings with Frame and Shear Wall Systems - ÖZLEM ÜSTÜNDAĞ, BARIŞ GÜNEŞ, BARIŞ SAYIN
- 13:40 2613 - Wind Turbine Power Estimation Based on ANFIS Under Changing Air Density And Wind Speed Conditions - Göksel GÖKKUŞ
- 13:50 2612 - Comparison of Total Harmonic Distortion in Two-Level and Cascaded Multilevel Inverter - MEVLÜT BULDUK, MUSTAFA SACİD ENDİZ
- 14:00 2627 - Evaluating the Effectiveness of Jacketing and CFRP Strengthening for an RC building through Seismic Performance Analysis - ÖZLEM ÜSTÜNDAĞ, BARIŞ GÜNEŞ, BARIŞ SAYIN

14:10 2601 - THE DIMENSIONS OF NETWORK EQUIPMENT OF MOBILE COMMUNICATION SYSTEMS THAT CAN BE USED ON SHIPS AND THE IMPORTANCE OF THE ELECTROMAGNETIC FIELD VALUES THEY DISPENSED FOR MARINE COMPANIES - Tayfun Acarer

14:20 2616 - Finding the Influential Parameters on Different Population-Level Outcomes in Agent-Based Epidemic Models - Mert Edali

14:30 2628 - Seismic Performance of a Masonry Building through Finite Element Analysis and Kinematic Limit Analysis - ÖZLEM ÜSTÜNDAĞ, BARIŞ GÜNEŞ, BARIŞ SAYIN

14:40 2587 - Investigation of the Thermal Performance of a Ground Coupled Carbonated Soft Drink Cooling System with an Underground Thermal Energy Storage Tank - Hatem Hasan Ismaeell, Recep Yumrutaş, Ahmed Wshyar Rasool,

14:50 2606 - APPROACHES DEVELOPED TO SOLVE FRACTIONAL DIFFERENTIAL EQUATIONS - Flamure Sadiki, Yldrita Salihi, Alit Ibraimi, Krutan Rasimi, Miranda Xhaferi

#### D. Session

15:20 2619 - Investigation of the Electrochemical Behavior of a Pillar[5]arene Derivative on the Glassy Carbon Electrode Surface - Tugce Gover

15:30 2632 - Evaluation of environmental impacts of a bodybuilding diet with life cycle assessment approach - Merve Temizyurek-Arslan

15:40 2593 - Molecular docking of natural occurring meroterpenoids with the SARS-CoV-2 main protease - Idris Arslan

15:50 2638 - The comparative petiole anatomy of some Hedysarum (Fabaceae) species in Turkey - Burcu Yılmaz Çıtak

16:00 2578 - Comparison of Deep Convolutional Neural Networks in Brain Tumor Classification Using Magnetic Resonance Imaging Scans - Ceren Kaya,

16:10 2580 - The effect of topical metformin use on keratin 17 in diabetic wound healing - Fatma Kübra Tombultürk

16:20 2631 - Potassium and stress response in plants - Senay Aydın, E. Dilsat Yegenoglu, Hakan Cakici

16:30 2595 - In silico analyses of usual and unusual triterpenoid-based PAK1 inhibitors derived from natural sources - Idris Arslan

16:40 1124 - New Opportunities Provided by Developments in Maritime Communication Systems for the Effective Management of Coasts - TAYFUN ACARER

#### E. Session

17:10 1151 - The influence of agricultural activities of corn planting on airborne microplastics - Nai-Tzu Chen, Chia-Ling Yeh, Chien-Cheng Jung, Huey-Jen Su

17:20 1155 - PRELIMINARY SOURCE ANALYSIS OF PM2.5 AND CHEMICAL COMPONENTS IN ISTANBUL MEGACITY - Rosa Maria Flores RANGEL,

17:30 1170 - Personal exposures of toll plaza employees to different air pollutants on national highways in India - B. Nazneen, Aditya Kumar Patra

17:40 1172 - Importance of Water Supply System for Public Health - Sabina Obradović, Dino Obradović

17:50 1166 - Activated charcoal mediated microbial degradation of diclofenac using bacterial pure cultures - Aishwarya Rastogi, Manoj Kumar Tiwari, Makarand Madhao Ghangrekar

18:00 1121 - Water security in Urban India and the way forward – Case of Delhi and Ranchi - Shama Parween, Rajan Chandra Sinha

18:10 2637 - Performance analysis comparison for a ground source heat pump with and without using solar collectors - Ghadir Chahid, Recep Yumrutaş, HATEM HASAN ISMAEELL,

18:20

18:30

	A	B
1	<b>ICENS &amp; ICOEST 2023 Poster Presentation Schedule</b>	
2	<b>18.May.23</b>	
3	<b>A. Session - Poster Presentations (9:30 - 11:00)</b>	
4	1116 - Novel method for the extraction and identification of microplastics in branded milk - Andreea Laura Banica, Cristiana Radulescu, Ioana Daniela Dulama, Alin Ioan Bucurica, Raluca Maria Stirbescu, Raluca Maria Bucur (Popa)	
5	1122 - Heavy metals contamination assessment of soils around Zeida abandoned mine (Eastern Morocco) - DEKAYIR, El HOUFY Fatima Zohra, ROUAI Mohamed, Jordan Gyozo, Benyassine El Mehdi, Echaref Abdemouiz, Szakall Sandor	
6	1145 - Conservation value of peat bogs for habitat specialist spiders - Urák István, Tamási Erika, Zsigmond Andreea-Rebeka	
7	1117 - Assessment of microplastics in personal care products by microscopic methods and vibrational spectroscopy - Raluca Maria Popa (Bucur), Cristiana Radulescu, Ioana Daniela Dulama, Alin Ioan Bucurica, Raluca Maria Stirbescu, Andreea Laura Banica	
8	1161 - TOXIC EFFECTS of FUNGICIDES ON FRESHWATER MICROALGAE - Anna Tzamaría, Alexandra Spyrou, Vassilios Triantafyllidis, Maria Antonopoulou	
9	<b>B. Session - Poster Presentations (13:30 - 15:00)</b>	
10	1156 - REMOVAL of EMERGING CONTAMINANTS by ADVANCED OXIDATION PROCESSES - Alexandra Spyrou, Anastasios Liles, Argyro Maria Zapanti, Maria Antonopoulou	
11	1171 - Bacterial viability and air quality: experimental approach and results at the atmospheric simulation chamber ChAMBRé. - Elena Abd El	
12	1158 - Ground-to-air heat exchangers (GAHE) in real conditions of Central-Eastern Europe – green energy for improvement of indoor air quality, building sustainability and reduction of the effects of climate changes - Aldona Skotnicka-Siepsiak	
13	1138 - Economic analysis of Activated Carbon Production - Mustafa Bozyiğit, Özer Çınar	
14	1160 - Spatial Data Analysis Using Machine Learning Tree-Based Algorithms Based on Selected Case Studies - Michał Bednarczyk	
15	1118 - Soil fungal diversity under West Africa ectomycorrhizal vegetation - Assongba Fabrice, Assongba Serge, Koffi S. Benoit	
16	2635 - Developments in the Mechanization of Peach Farming Within the scope of Agriculture 4.0 - Ekim Keskinliç, Anıl Çay	

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