

**1ST INTERNATIONAL CONFERENCE ON
ENVIRONMENT, TECHNOLOGY AND
MANAGEMENT
(ICETEM)**

27-29 June 2019

NİĞDE ÖMER HALİSDEMİR UNIVERSITY

NİĞDE-TURKEY

CONFERENCE PROGRAMME BOOK

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Dear Colleagues,

We have the pleasure for sharing state-of-the-art knowledge, science and technology with you in the "1st International Conference on Environment, Technology and Management (ICETEM)" which will be held between 27-29 June 2019 in Niğde (one of the cities of Cappodoccia), Turkey.

1st ICETEM is organized by Environmental Engineering Department of Niğde Ömer Halisdemir University (Niğde/Turkey). This conference will provide not only the opportunity to bring experts from all around the World and different disciplines and but also the ideal academic platform for researchers to present the latest research findings. We believe this interaction is a unique platform to come together to discuss critically recent research and to intensify new collaborations and scientific research in environment, technology and management.

On Behalf of Organizing Committee

Prof. Dr. Fehiman ÇİNER

Co-Chair of the ICETEM

Assoc. Prof. Dr. Neslihan DOĞAN-SAĞLAMTİMUR

Co-Chair of the ICETEM

PROGRAMME

Venue: Şehit Ömer Halisdemir Congress and Culture Center

| | HOUR | SESSIONS (DAY-1) | Thursday (27 June 2019) ORAL PRESENTATIONS |
|-------------------------|--------------------------|--|---|
| | | 08:30-09:00 | |
| | 09:00-10:00 | HALL 1923 | WELCOME AND PROTOCOL SPEECH |
| | 10:00- 10:15 | | Mini Concert Tar and Piano Tar: Art Lecturer Alpay Ünsal Piano: Dr. Öğr. Üyesi Fulya Soylu Bağçeci (1) Blind Man's Song, Fikret Emirov, "For Sheikh Senan Opera" (2) Baku at Night Song, Ali Ekber Tagiev |
| | 10:15-11:15 | HALL 1923 | Keynote Speakers <i>Prof. Dr. İbrahim DİNÇER</i> University of Ontario (Canada) Title: New Paradigms and Future Directions in Energy Technologies for Clean Environment <i>Prof. Dr. Janusz MIKUŁA & Dr. Kinga KORNIJENKO</i> Cracow University of Technology (Poland) Title: Fibre Reinforced Geopolymer Composites - A Review |
| | 11:15-11:30 | | Coffee Break |
| JUNE 27, 2019, THURSDAY | 11:30-13:00 Session 1 | HALL 1071 Advances in biological, physical and chemical processes | Chairperson: Prof. Dr. Hüseyin Cengiz Yatmaz The Effect of Cell Surface Hydrophobicity and Foam Potential on the Stability of Activated Sludge Foam <i>Gönül İçemer</i> Modified Clays in Water Treatment Technology <i>Ayşe Dilek Atasoy, Gülistan Banu Çakmak, Benan Yazıcı Karabulut</i> Microalgal Treatment of Biogas Slurry under Batch Conditions <i>Aydın Kaan Töre, Mustafa Işık</i> Arsenic Removal from Aqueous Solutions by Photocatalytic Processes <i>Senem Bayar, Beyza Özgürses, Hüseyin Cengiz Yatmaz</i> Environmental Impact Assessment of a New Integrated Ocean Thermal Energy Conversion based Trigeneration System <i>A. Hasan, İbrahim Dincer</i> |
| | 11:30-13:00 Session 1 | HALL 1299 Biodiversity | Chairperson: Prof. Dr. Zeliha Selamoğlu Biodiversity of Örumcek Forests <i>Nuray Mısır, Mehmet Mısır, Abdullah Yıldız</i> Selection and Importance of Plant Type for Establishment of Buffer Zone in Niğde Akkaya Dam <i>Gülden Sandal Erzurumlu, Selma Yaşar Korkanç</i> Relationship Between Mussels-Host Fish in the Life Cycle of Freshwater Mussel <i>Hülya Şereflişan</i> The Effect of Black Color on the Weight Loss of the Land Snail (<i>Helix</i> |

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| | | | <p><i>aspersa</i>) in Estivation Period <i>Hülya Şereflişan, Ahmet Alkaya</i></p> <p>Diseases in Land Snail Culture <i>Deniz Aktaş, Hülya Şereflişan, Ahmet Alkaya</i></p> <p>Survival Power of the land Snail (<i>Helix aspersa</i>) at Biodiversity Point <i>Hülya Şereflişan</i></p> |
| 11:30-13:00 Session 1 | HALL 1453 A Bioengineering and biotechnology | <p>Chairperson: Prof. Dr. Ayten Öztürk</p> <p>A Research on Changes occurring in Chemical Characteristics with the Spoilage of Shalgam Juice (Şalgam) <i>Zeliha Ayça Varol, Dilay Asena Aytekin, Adnan Bozdoğan, Hasan Tangüler</i></p> <p>Investigation of the Effect of Ultrasound Application on Phenolic Compound of Lupin (<i>Lupinus albus L.</i>) and Optimization by Response Surface Method <i>Asiye Özcan, Cem Baltacıoğlu</i></p> <p>A Study on the Development of Different Commercial Culture Yeasts used for the Evaluation of Apple in Ethyl Alcohol Fermentation <i>Dilay A. Aytekin, Zeliha A. Varol, Hüseyin Erten, Hasan Tangüler</i></p> <p>Investigation of the Effect of Drying Methods on the Color Values of Production of Encapsulated Colorant Matter from Red Cabbage (<i>Brassica oleracea L.</i>) <i>Oktay Keskin, Cem Baltacıoğlu</i></p> <p>Allelopathic Effects of Sunflower and Wheat Root Exudates on <i>Rumex acetosella</i> and <i>Rumex crispus</i> Species <i>Zeynep Duzelten Ballı, Huseyin Turker, Bengü Turkyilmaz Unal</i></p> <p>Bacterial and Fungal Diseases of affecting Commercial Cultured Frogs (<i>Pelophylax ridibundus</i>) <i>Deniz Aktaş, Hülya Şereflişan, Ahmet Alkaya</i></p> | |
| 11:30-13:00 Session 1 | HALL 1453 B Clean and renewable energy sources | <p>Chairperson: Prof. Dr. Murat Gökçek</p> <p>Development of a Solid Oxide Fuel Cell Stack with High Energy Density <i>Sezer Önbilgin, Bora Timurkutluk</i></p> <p>The Role of Solar Energy Technology Supply in the Utilization of Solar Energy Potential: The Case of Turkey <i>Dilek Ekşioğlu, Ayşe Topal</i></p> <p>Hydrogen and Fuel Cell R&D Studies at Dr-V Clean Energy Research Center <i>Çiğdem Timurkutluk, Bora Timurkutluk, Selahattin Çelik, Serkan Toros, Yüksel Kaplan, Almıla Bahar Doğan, İbrahim Pamuk, Uğur Aydın</i></p> <p>Investigation of Advanced Pre-Treatment Factors for Corn cob to Increase the Renewable Energy Potential via Placket Burman Design <i>Ece Ümmü Deveci, Çağdaş Gönen</i></p> <p>Usage of Clean and Renewable Energies in the Sea: Wind and Solar Powered Vessels <i>Tanzer Satır, Neslihan Doğan-Sağlamtimur</i></p> <p>Gasification of Sugar Beet Pulp in a Circulating Fixed Bed Gasifier <i>Mert Arslan, Gamze Varank, Nazlıcan Karabağ, Atakan Ongen</i></p> <p>Performance and Environmental Impact Assessment of Coal and Biomass Integrated Co-Gasification System for Power and Hydrogen Production System <i>Maan Al-Zareer, İbrahim Dincer, Marc A. Rosen</i></p> | |

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| <p>11:30-13:00 Session 1</p> | <p>HALL 1992 A Climate change</p> | <p>Chairperson: Prof. Dr. Sülün Evinç Torlak</p> <p>A Key for Combating Climate Change Effect: Anatolian Wheat Landraces <i>Emel Özer, Meltem Yaşar, Musa Türköz, Enes Yakışır</i></p> <p>A Study on the Estimation of the Carbon Footprint of Dairy Sheep Farm <i>Ayhan Ceyhan, Ethem Akyol, Adnan Ünalın, Sinan Çınar, Wajid Ali</i></p> <p>Turkey White Meat Production Forecast 2023 with Multiple Regression Model <i>Osman Yıldız, M. Kazım Yetik, Hümeıra Nur Turgut</i></p> <p>Examination of Different Variables that affect the Teacher Candidates' Climate Change Awareness <i>Meryem Nur Aydede, Çağdaş Gönen, Ece Ümmü Deveci</i></p> <p>An Examination on Climate Change Resilience on Denizli <i>Aysun Aygün, Sülün Evinç Torlak</i></p> |
| <p>11:30-13:00 Session 1</p> | <p>HALL 1992 B Technological applications in engineering disciplines</p> | <p>Chairperson: Prof. Dr. Yüksel Kaplan</p> <p>Precision Agriculture Technologies and Environmental Relations <i>Mustafa Akkamaş, Sevgi Caliskan</i></p> <p>Comparisons of Bowden vs Direct Extruder Drive on FDM Printers <i>Orhan Erden, Burak Berk Arıncı</i></p> <p>The Process of Conceptual Design of Eye Examination Unit with Design-Thinking Approach FDM Technology <i>Orhan Erden, Turgay Tamer</i></p> <p>Technological Solutions of Inachus Project to Predict Collapse Behaviors of Buildings <i>Mustafa Sudağ, Orhan Erden</i></p> <p>Hydraulic Modeling for Reducing Water Losses in Distribution Network <i>Batuhan Karakuş, Çağatayhan Bekir Ersü</i></p> <p>The Use of LCA in Environmental Engineering <i>Serpil Öztaş, Nihal Bektaş</i></p> |

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| 13:00- 14:00 | LUNCH (University Restaurant) | |
| 14:00-15:50 Session 2 | HALL 1071 Nanomaterials & Technological applications in engineering disciplines | <p style="text-align: center;">Invited Speaker Assist. Prof. Dr. Gabriel FURTOS Babeş-Bolyai University (Romania)</p> <p style="text-align: center;">Title: Mechanical Properties of Hemp Fiber Reinforced Geopolymer Composites</p> <p style="text-align: center;">Chairperson: Prof. Dr. Ertuğrul Şahmetlioğlu</p> <p>Activity Test of Al/Pillared Clay Supported HPA Super Acid Catalyst in Ethanol Dehydration Reactions <i>Fatma Suna Balci, Gülce Açı</i></p> <p>Production of Building Panel from Waste Ashes: A Reuse Study <i>Hatice Keser, Gamze Yıldırım, Neslihan Doğan-Sağlamtimur, Fatih Çelik</i></p> <p>Construction of Conducting Polymer/Cytochrome C/Thylakoid Membrane Based Photobioelectrochemical Fuel Cells Generating High Photocurrent via Photosynthesis <i>Huseyin Bekir Yildiz, Emre Cevik</i></p> <p>Numerical Investigation of ZnO-Water Nanofluid Flow in a Spiral Coil <i>Kamil Arslan, Tuğba Akıncı, Recep Ekiciler</i></p> <p>Healthy Risks of Nitrogenous Compounds in Water and Ammonia Removal by Adsorption with Sepiolite <i>Fatma Suna Balci</i></p> <p>Determination of Effects of Dissolution Time on Mechanical Properties of Al6082 Alloys for Forging <i>Özkan Tunç, İlyas Kacar, Süleyman Kılıç, Kemal Bidav</i></p> |
| 14:00-15:50 Session 2 | HALL 1299 Advances in biological, physical and chemical processes | <p style="text-align: center;">Invited Speaker Prof.Dr. Süreyya MERİÇ PAGANO Namık Kemal University (Turkey)</p> <p style="text-align: center;">Title: Environmental Nanotechnology and Risk Assessment</p> <p style="text-align: center;">Chairperson: Prof. Dr. Seval Kutlu Akal Solmaz</p> <p>Photocatalytic Reduction of Cr(VI) in Aqueous Solutions <i>Tuğba Çakar, H. Cengiz Yatmaz</i></p> <p>Investigation of Monocrotophos Removal by Photo-Fenton Processes <i>Berrak Erol Nalbur, Arzu Teksoy, Seval Kutlu Akal Solmaz, Gökhan Ekrem Üstün</i></p> <p>COD Removal from Leachate by Electro-Fenton Method <i>Kasım Atmaca, Nevzat Beyazıt</i></p> <p>Isotherms, Kinetics and Thermodynamics of Phenol Adsorption onto Powdered Activated Carbon <i>Elanur Adar, İpeknur Atay, Kubilay Gökbörü Büncü, Mehmet Sinan Bilgili</i></p> <p>Phytoremediation in Wastewater Treatment <i>Ayşe Dilek Atasoy, Benan Yazici-Karabulut, Gülistan Banu Çakmak</i></p> <p>The Microbial Growth Parameters in a Microbial Fuel Cell <i>Tuba Artan-Onat, Özge Çetin</i></p> |

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| <p>14:00-15:50 Session 2</p> | <p>HALL 1453 A Nanomaterials</p> | <p style="text-align: center;">Invited Speaker Assoc. Prof. Dr. Janis SLISERIS Riga Technical University (Latvia)</p> <p style="text-align: center;">Title: Challenges in multi-scale numerical modelling of composite materials</p> <p style="text-align: center;">Chairperson: Assoc. Prof. Dr. Ersen Turaç</p> <p style="text-align: center;">Starch Supported Nickel(0) Nanoparticle Catalysts for Hydrogen Generation from the Green Dehydrogenation of Dimethylamine-Borane <i>Sibel Duman</i></p> <p style="text-align: center;">The Use of Nanomaterials from Agricultural Wastes as Cement Additives <i>Hatice Öznur Öz, Muhammet Güneş, Sevgi Demirel</i></p> <p style="text-align: center;">Synthesis, Characterization and Catalytic Use of Palladium Nanoparticles Supported on Poly (CMA₂OEM-co-DVB-co-VIM) for Hydrogen Generation <i>Nevin Çankaya, Sibel Duman</i></p> <p style="text-align: center;">Dehydrogenation of Dimethylamine Borane Catalyzed by Pd@Npc Nanoclusters at Nearly Room Temperature <i>Sibel Duman</i></p> <p style="text-align: center;">Pd@Poly(CMA₂OEM-co-DVB-co-AMPS): Synthesis, Characterization and Use in the Green Dehydrogenation of Dimethylamine-Borane <i>Nevin Çankaya, Sibel Duman</i></p> <p style="text-align: center;">Photocatalytic Implementations of Porphyrin/Phthalocyanine-Based Nanostructures <i>Gizem Başaran Dindaş, H. Cengiz Yatmaz, Ümit İşçi</i></p> |
| <p>15:50- 16:00</p> | <p>Coffee Break</p> | |
| <p>16:00-17:30 Session 3</p> | <p>HALL 1071 Water pollution and control – Water quality</p> | <p style="text-align: center;">Chairperson: Assoc. Prof. Dr. Tanzer Satır</p> <p style="text-align: center;">Correlation Between Flow Rate Ratio and pH in Araç River <i>M.Kazım Yetik, Osman Yıldız</i></p> <p style="text-align: center;">Clarke and Wright Saving Algorithm Model Application for Simultaneous Collect- Distribute Vehicle Routing Problem <i>Osman Yıldız, M. Kazım Yetik, Esra Öztürk</i></p> <p style="text-align: center;">Determination of Phosphorus Capacities of Aquaculture Made Dams and Lakes of Turkey in Terms of Sustainable Fisheries <i>Zahid Enes Aslan, Hülya Şereflişan, Emrah Şimşek</i></p> <p style="text-align: center;">Water Quality Parameters Monitoring by using GIS Software for Araç River <i>M.Kazım Yetik, Osman Yıldız</i></p> <p style="text-align: center;">The Characterization of Risk and Problems for Recreational Fishing Activities with Made Tour Trips: A Sample from Iskenderun Bay <i>Sevil Demirci, Özkan Akar, Aydın Demirci, Emrah Şimşek</i></p> <p style="text-align: center;">Bioremediation, Bioremediation Strategies and Using in the Aquatic Environment <i>Erkan Uğurlu, Önder Duysak, Hülya Şereflişan</i></p> |

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| <p style="text-align: center;">16:00-17:30 Session 3</p> | <p style="text-align: center;">HALL 1299</p> <p style="text-align: center;">Monitoring and analysis of environmental contaminant</p> | <p style="text-align: center;">Chairperson: Prof. Dr. Süreyya Meriç Pagano</p> <p style="text-align: center;">The Role of Aluminum Metal in the Environmental Pollution and its Determination in Various Biological Materials <i>Kamala K. Badalova, Gaibverdi B. Iskandarov, Faiq P. Hasanov</i></p> <p style="text-align: center;">Effect of Physiological Conditions on Seeds Germination and Seedlings Growth on Iranian Parsley; Petroselinum Sativum and Turkish Parsley; Petroselinum Crispum, and Study the rate of Absorption Spectrum of Apiol under the Effects of ZnO (NP) <i>Zahra Atghia, Ahmad Majd, Sedigheh Arbabian</i></p> <p style="text-align: center;">Water Hyacinth Roots and Natural Rice Husk as an Economic Potential Biomass for the Removal of Organic Pollutants and Pharmaceutical Industrial Residues from Wastewater <i>Safa'a M. Riad, Heba T. El-Balkiny, Dina Atef, Yousef S. Yousef, Shehab I. Elsayed, Dina M. Mourad, Rahma K. Mohamed, Ahmed M. Emam, Aya O. Mohamed, Amany M. Elkhateb and Amira Abdel Waness</i></p> <p style="text-align: center;">Toxicity Assessment of Carbamazepine Active Ingredient by Some Toxicity Test Methods <i>Sevil Yulduz, Süheyla Tongur</i></p> <p style="text-align: center;">Vortex Assisted Ionic Liquid Dispersive Liquid Phase Micro-Extraction and Flame Atomic Absorption Spectrometric Determination of Co and Ni in Food and Environmental Samples <i>Abdullah Taner Bişgin</i></p> <p style="text-align: center;">A Inter-Laboratory Comparison Test for Electrochemical Analytical Methods in Real Wastewater Sample: Z-Score Model and Participants Effect <i>Hulusi Demircioğlu, İlgi Karapınar</i></p> |
| <p style="text-align: center;">16:00-17:30 Session 3</p> | <p style="text-align: center;">HALL 1453 A</p> <p style="text-align: center;">Earth and natural sciences</p> | <p style="text-align: center;">Chairperson: Prof. Dr. Taki Güler</p> <p style="text-align: center;">Paleoenvironmental Reconstruction of the Northeastern Voltaian Basin of Ghana <i>Emmanuel Daanoba Sunkari, Mahamuda Abu, Ali Gürel</i></p> <p style="text-align: center;">Monitoring Drought with Standardized Soil Moisture Index (SSI) in Data-Scarce Çarşamba Basin <i>Cihangir Koycegiz, Meral Buyukyildiz</i></p> <p style="text-align: center;">Production of Oleate Coated Micronized Calcite by Ball Milling from Marble Processing Tailings <i>Ercan Polat, Taki Güler</i></p> <p style="text-align: center;">The Determination of Çarşamba River Water Budget with SWAT in Konya Closed Basin, Turkey <i>Cihangir Koycegiz, Meral Buyukyildiz</i></p> <p style="text-align: center;">Biomaterial Resources and Usage Areas <i>Ahmet Alkaya, Hülya Şereflişan, Önder Dıysak</i></p> |

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| <p>16:00-17:30 Session 3</p> | <p>HALL 1453 B</p> <p>GIS and remote sensing</p> | <p>Chairperson: Prof. Dr. Türkan Bayer Altın</p> <p>Determining of Carbon Storage using Remote Sensing <i>Mehmet Mısır, Nuray Mısır, Abdullah Yıldız</i></p> <p>Landfill Site Selection and Geographic Information System Applications <i>Tolga Bahadır, Şevket Tulun, Hakan Çelebi, İsmail Şimşek</i></p> <p>The Evaluation of Emergency Calls to Emergency Health Services with the Geographical Information System (The Example of Erzincan Province) <i>H. Ferit Bayata, Mehmet Oğuzhan Gürel, Osman Ünsal Bayrak</i></p> <p>Investigation of Light Pollution in Niğde Ömer Halisdemir University Campus <i>Aslı Bozdağ, Öznur Begüm Gökçek</i></p> <p>Flood Events Assessment in Azatlı (Niğde), Turkey Based on Basin Morphometry using GIS Technique <i>Türkan Bayer Altın</i></p> |
| <p>16:00-17:30 Session 3</p> | <p>HALL 1992 A</p> <p>Solid and hazardous waste management</p> | <p>Chairperson: Prof. Dr. Bülent TOPKAYA</p> <p>Management of Empty Pesticide Containers in Turkey and in the World <i>Fatma Füsün Uysal, Coşkun Yıldırım, Rasim Keskin</i></p> <p>Modeling of Drying Kinetics of Wastewater Treatment Sludge <i>Mehmet Yüceer, Emir Tosun, Aziz Mahmut Özcan, Özgür Özdemir, Faik Dinçer Erkan, Ali İhsan Alber, Mahmut Fırat</i></p> <p>Removal of Heavy Metals Using Silica Fume <i>Neslihan Manav-Demir, Elif Burcu Atci</i></p> <p>Application of Zero Waste Management System to Niğde Ömer Halisdemir University <i>Çağdaş Gönen, Ece Ümmü Deveci</i></p> <p>The Effect of Graphite Addition on Biogas Production from Animal Waste and Food Waste <i>Ö. Begüm Gökçek, Hamdi Muratçobanoğlu, R. Ali Mert, A. Gözde Akan, Recep Zan, Sevgi Demirel</i></p> <p>Analysis and Optimization of Waste Transport System: An Example of a University Hospital <i>Tarık Uzunlular, Hasan Kıvanç Yeşiltaş, Çağatayhan Bekir Ersü</i></p> |
| <p>16:00-17:30 Session 3</p> | <p>HALL 1992 B</p> <p>Construction technologies and management & Sustainable transportation</p> | <p>Chairperson: Prof. Dr. Mahmut Fırat</p> <p>Radiation Absorption of Geopolymer Building Materials: Preliminary Results from New Design Measurement System <i>Elif Süzgeç, Neslihan Doğan-Sağlamtimur, Vakkas Bozkurt, Sefa Ertürk</i></p> <p>Effect of the Repairing Distribution Pipes on Leakages in District Metered Area <i>Fatih Mehmet Durmuşçelebi, Özgür Özdemir, Mahmut Fırat</i></p> <p>A Review on the Properties of Concrete/Mortar Incorporating Glass Powder <i>Hatice Öznur Öz, Hasan Erhan Yücel, Muhammet Güneş, Yasin Kaya</i></p> <p>Environmental Approach in Transportation: Triz-Supported Power Stored Public Bicycle Designed <i>Eser Özeniz, Orhan Erden</i></p> <p>Using ETFE Material in Architectural Design <i>Neslihan Demircan, Yahya Bulut, Parisa Doraj, Omid Hossein Eskandani</i></p> <p>Analysis of Technical Characteristics and Main Engine Profile of Full Container Ships in the Turkish Seaborne Trade Fleet <i>Fatih Yılmaz, Ali Rıza Dal</i></p> |

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| 17:30-17:45 | Coffee Break | |
| 17:45-19:15 Session 4 | <p>HALL 1071</p> <p>Watershed management</p> <p>Water quality</p> <p>Biodiversity</p> | <p style="text-align: center;">Chairperson: Prof. Dr. Ali Gürel</p> <p>Determination of Sensitive Zones for Soil Protection and Water Function in Kastamonu Karaçomak Basin <i>Nuriye Ebru Yıldız, Eren Dağra Sökmen, Şükran Şahin</i></p> <p>Development of Long-Term Sustainable Water Loss Management Strategy: Kayseri Distribution System Case Study <i>Mustafa Usluer, Fatih Mehmet, Durmuş Çelebi, Yavuz Çağan, Mahmut Fırat</i></p> <p>Application of Visual MODFLOW flex for Simulating Groundwater Flow in Altınova Antalya Turkey: Implication for Water Resources Management <i>Alex Modi Lomoro Wani, Ayşe Muhammetoğlu, Habib Muhammetoğlu</i></p> <p style="text-align: center;">Ageing Effects on Performance of Domestic Water Meters <i>I. Ethem Karadirek</i></p> <p style="text-align: center;">Assessment of Physico-Chemical Parameters in Ceyhan River (Turkey) within Water Framework Directive <i>Esra Bıçkıcı, Meltem Eken</i></p> <p>Artificial Reproduction of Siamese Fighting Fish (<i>Betta splendens</i>) Cultured under Laboratory Conditions <i>Kamuran Umut Yaraş, Muhammet Mülayim, Şehriban Çek - Yalnız</i></p> |
| 17:45-19:15 Session 4 | <p>HALL 1299</p> <p>Industrial pollution and control</p> | <p style="text-align: center;">Chairperson: Assoc. Prof. Dr. Selami Demir</p> <p>Evaluation of Different Color Measurement Methods in Colorful Waters Prepared By Using Textile Dyeing <i>Saadet Acar, Sena Sezgin Özkür, Nevzat Özgü Yiğit</i></p> <p>Removal of Red 241 Textile Dye from Aqueous Solutions by Electrocoagulation Process using Taguchi Method <i>Fuat Özyonar, Ömür Gökkuş, Hamdi Muratçobanoğlu</i></p> <p>Effect of Best Available Techniques Concept and Bref's on the Continuous Improvement of Industrial Pollution Control Technologies <i>A. Teoman Sanalan</i></p> <p>Color Removal from Aqueous Solutions of Direct Yellow 86 Textile Dyestuff by Electro-Fenton Method <i>Kasım Atmaca, Nevzat Beyazıt</i></p> <p>Artificial Neural Network Modeling of Discrete Settling Process <i>Selami Demir, Yaşar Avsar, Neslihan Manav Demir</i></p> |

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| <p>17:45-19:15 Session 4</p> | <p>HALL 1453 A</p> <p>Soil pollution and remediation technologies</p> | <p>Chairperson: Prof. Dr. Prof. Dr. Bilal Tunçsiper</p> <p>Soil Treatment with Soil Washing <i>Tolga Bahadır, Şevket Tulun, Hakan Çelebi, İsmail Şimşek</i></p> <p>The Production of Boric Acid with Citric Acid from Bigadic Bor Wastes <i>Emine Yoğurtcuoğlu</i></p> <p>The Effects of Different Mulch Material Applications on Total Organic Carbon, Phosphate and Total Nitrogen Fluxes through Runoff from Soils <i>Selma Yaşar Korkanç, Halil Şahin</i></p> <p>Treatment of Contaminated Soils with Petroleum-Derived Pollutants <i>Elanur Adar</i></p> <p>Interpolation of Soil Quality Parameters for a Dry Agriculture Field with IDW Method <i>Gülden Gök, Orhan Atakan Gürbüz</i></p> <p>Boron Waste and Evaluation <i>Diler Katırcıoğlu-Bayel</i></p> |
| <p>17:45-19:15 Session 4</p> | <p>HALL 1453 B</p> <p>Wastewater treatment and management</p> | <p>Chairperson: Prof. Dr. Mehmet Sinan Bilgili</p> <p>Production of Biogas from Organic Wastes in Eco-Campus Model: Example of Niğde Ömer Halisdemir University <i>Hamdi Muratçobanoğlu, Ö. Begüm Gökçek, Şafak N. Yavuz, Ali Arslan Ekmekci, Yonca Yılmaz, Şeyma Yiğit, Sevgi Demirel</i></p> <p>Car Wash Industry in Turkey: Decrease Water Pollution by Wastewater Reuse <i>M. Iberia Aydın, Burak Yuzer, Huseyin Selcuk</i></p> <p>Application of Electrocoagulation for Nutrient Removal and Recovery from Fresh Human Urine <i>Elif Oztekin, Hatice Inan</i></p> <p>Removing Aluminum and Recycling of Caustic Soda Solution from Alkaline Cleaning Waste Effluents Generated in the Aluminum Industry <i>Elif Ateş, Damla Özaktaç, Hüseyin Selçuk</i></p> <p>A Systematic Survey of Five Antibiotics in Two Urban Wastewater Treatment Plants in Istanbul <i>Orhan İlhan, Can Burak Özkal, Süreyya Meriç</i></p> |
| <p>17:45-19:15 Session 4</p> | <p>HALL 1992 A</p> <p>Future Technologies</p> | <p>Chairperson: Assoc. Prof. Dr. Bora Timurkutluk</p> <p>The Controlling of Extruder Temperature in 3D Printer <i>Bekir Cirak, Sezgin Eser, Mehmet Onur Ogulata, Tuba İzler, Abdullah Ozdal</i></p> <p>The Influence of the Green Walls in Improving Energy Consuming and Its Role in Sustainable Development <i>Sevgi Yılmaz, Parisa Doraj, Omid Hossein Eskandani</i></p> <p>From Cartesian 3D Printers to Multi-Axis Robotic (Jointed) 3D Printer Designs <i>Eser Özengiz, Orhan Erden</i></p> <p>Impedance Control of Obstacles Avoidance Using Arduino Controller <i>Bekir Cirak, Sezgin Eser, Mehmet Onur Ogulata, Tuba İzler, Abdullah Ozdal</i></p> <p>Counter Top Dishwasher <i>Ecem Mete, Orhan Erden, Hüseyin Rıza Börklü</i></p> <p>Computer Based Demolition Simulation for Disposal Plan <i>Mustafa Sudağ, Orhan Erden</i></p> |

JUNE 27, 2019, THURSDAY

17:45-19:15
Session 4

HALL 1992 B

**Sustainable
natural
resources and
management**

Chairperson: Prof. Dr. Safa'a M. Riad

**The Neoproterozoic Volta Basin and Its Hydrocarbon Potential, Ghana:
A Comparative Review**

Mahamuda Abu, Daniel Kwadwo Asiedu

Environmental Impacts of Land Consolidation Projects

Ela Ertunç, Aslı Bozdağ, Ö. Begüm Gökçek

**The Estimation of Economic Capacity and Ecological Effects of
Recreational Fishing Activities in the Iskenderun Bay**

Emrah Şimşek, Özkan Akar, Hülya Şereflişan

**Weathered Limestone and Gabbroic Rocks and Soil Development in Ordu
Province, Turkey: The Quaternary Geomorphological Evolution**

Ali Gürel

Land Snails Hypometabolism Strategy and Epiphragm

Ahmet Alkaya, Hülya Şereflişan, Önder Duyşak

**The Effect of Certification Procedures on the Development of Fisheries
Sector**

Zahid Enes Aslan, Hülya Şereflişan

19:30

**Welcome
Reception**

Şehit Ömer Halisdemir Congress and Culture Center

JUNE 28, 2019, FRIDAY

| | HOUR | SESSIONS (DAY-2) | Friday (28 June 2019) ORAL PRESENTATIONS |
|--|--------------------------|--|--|
| | 09:00-10:45 | HALL 1923 | <p>Keynote Speakers</p> <p><i>Prof. Dr. Ülkü YETİŞ</i> Middle East Technical University (Turkey)</p> <p>Title: Combining Technology-Based Effluent Standards and Water Quality-Based Effluent Limits: A Proposal for Turkey</p> <p><i>Prof. Dr. Kamel-Eddine BOUHIDEL</i> University of Hadj Lakhdar (Algeria)</p> <p>Title: Theoretical and Experimental Methods for Selective Recovery of Metal Values from Electroplating Sludge</p> <p><i>Prof. Dr. Bülent TOPKAYA</i> Akdeniz University (Turkey)</p> <p>Title: Evaluation of Research Activities Dealing with Solid Waste Management in Mediterranean Sea Basin Countries</p> <p><i>Prof. Dr. Hüseyin SELÇUK</i> İstanbul University (Turkey)</p> <p>Title: Circular Economy for Water Massive Textile Industries</p> |
| | 10:45- 11:00 | Coffee Break | |
| | 11:00-12:30 Session 5 | HALL 1071 Membrane technologies | <p>Chairperson: Prof. Dr. Hüseyin Selçuk</p> <p>Validation of Forward Osmosis Process: Impact of Membrane Type <i>Serhat Akşit, Seda Saki, Niğmet Uzal</i></p> <p>Treatment of Slaughterhouse Industry Wastewater by Microfiltration and Ultrafiltration Membranes and use As Agricultural Irrigation <i>Afşin Yusuf Çetinkaya</i></p> <p>Salt Removal Methods and Obtained Drinking Water of Sea Water <i>Ayben Polat Bulut</i></p> <p>Ecosafefarming by Solar Treatment and Desalination of Biologically Treated Brackish Wastewater <i>Damla Özaktaç, Elif Ateş, İberia Aydın, Burak Yüzer, Hüseyin Selçuk</i></p> <p>Membrane Processes (UF, NF, RO) for Wastewater Reuse <i>Yunus Balık, Bilgehan Nas</i></p> |

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| 11:00-12:30 Session 5 | HALL 1299 Advances in biological, physical and chemical processes | <p style="text-align: center;">Chairperson: Assoc. Prof. Dr. Filiz Dadaşer Çelik</p> <p style="text-align: center;">Optimum Process Condition Determination for Disperse Blue 60 Removal by Electrocoagulation with Taguchi Method <i>Fuat Özyonar, Hamdi Muratçobanoğlu, Ömür Gökkuş</i></p> <p style="text-align: center;">The Treatability of Vehicle Washing Wastewaters using Fenton Process <i>Hüseyin Cüce, Hakan Dulkadiroğlu, Merve Şennur Yakut, Melike Kocabaş</i></p> <p style="text-align: center;">Removal of Dyestuff by using Olive Stone Adsorption <i>Füsun Boysan, Esra Altıntuğ, Muhammed Has, Ahsen Özer</i></p> <p style="text-align: center;">Activity of New Generation Meso Porous Silica Pillared Catalyst in Catalytic Wet Peroxide Oxidation of Phenol <i>Burcu Yeter Dinçer, Fatma Suna Balci, Fatma Tomul</i></p> <p style="text-align: center;">Effect of Acid Activation on Properties of Bentonite and Performance on Catalytic Wet Peroxide Oxidation <i>Fatma Suna Balci</i></p> <p style="text-align: center;">Efficiency of Magnetic Pumice Catalysts for Fenton-Like Oxidation of Wastewater originating from a Textile Chemicals Production Industry <i>Caner Erat, Deniz İzlen Çiğçi, Süreyya Meriç</i></p> |
| 11:00-12:30 Session 5 | HALL 1453 A Sustainable cities and transportation | <p style="text-align: center;">Chairperson: Prof. Dr. Ahmet Bilgili</p> <p style="text-align: center;">The Effects of High Aspect Ratio Synthetic Wollastonites on Standard Mortars Based on Pozzolanic Activity Test <i>Hasan Erhan Yücel, Hatice Öznur Öz, Muhammet Güneş, Yasin Kaya</i></p> <p style="text-align: center;">Urban Transformation Applications in European Cities <i>Can Bülent Karakuş, Ayben Polat Bulut</i></p> <p style="text-align: center;">A Sustainable Architecture Example, Green Building <i>Füsun Boysan, Muhammed Has, Ömer Seyfullah Doğan, Süleyman Reyimov, Elif Altuntaş</i></p> <p style="text-align: center;">Evaluation of Possible Impacts of High-Scale Transportation Investments in Istanbul on Land Use and Urban Transformation Processes <i>Ayça İlhan, Görkem Gülhan</i></p> <p style="text-align: center;">Urbanization and Sustainable Transportation: Canakkale City Center <i>Merve Temiz, Alper Sağlık, Abdullah Kelkit, Mehmet İlkan Bayrak, Elif Sağlık</i></p> <p style="text-align: center;">Determination of Carbon Footprint Originated from Highway Transportation in Sivas <i>Fuat Özyonar, Ömür Gökkuş, Hamdi Muratçobanoğlu</i></p> |

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| <p style="text-align: center;">11:00-12:30 Session 5</p> | <p style="text-align: center;">HALL 1453 B Nanomaterials</p> | <p style="text-align: center;">Chairperson: Prof. Dr. Ayten Ateş</p> <p>The Importance of Variables in Formation of Anodic Aluminum Oxide Nano Molds <i>Senem Sanduvaç, Ertuğrul Şahmetlioğlu, Ersen Turaç</i></p> <p>Chromium (Cr VI) Removal from Water with Starch-Magnetite Nanocomposite <i>Rojin Şimşek, Buşra Nur Çiftçi, Yağmur Uysal</i></p> <p>Production of Fly Ash-Based Geopolymer Composite Materials by using Different Design Parameters <i>Neslihan Doğan-Sağlamtimur, Hatice Öznur Öz, Ahmet Bilgil, Elif Süzgeç, Türkan Vural</i></p> <p>Investigation of Chromium (Cr VI) and Color Removal from Water with Bentonite-Magnetite Nanocomposite <i>Buşranur Çiftçi, Pınar Belibağlı, Yağmur Uysal</i></p> <p>The Effect of Low Velocity Impact with Grafen 6.6 Nanofibers Reinforced Epoxy Adhesively Bonded Joints <i>Mürsel Ekrem, Musa Yılmaz, Necati Ataberk</i></p> <p>Mechanical and Thermal Properties of MWCNT Reinforced Polysulfone Nanofibers by Electrospinning <i>Mürsel Ekrem, Omer Çoşkun, Rafet Yavuz</i></p> |
| <p style="text-align: center;">11:00-12:30 Session 5</p> | <p style="text-align: center;">HALL 1992 A</p> <p style="text-align: center;">Monitoring and analysis of environmental contaminant</p> | <p style="text-align: center;">Chairperson: Prof. Dr. Ülkü Yetiş</p> <p>Thyme Oils on Coliforms in Drinking Water <i>Özlem Pelin Can</i></p> <p>Examination of Portable Groundwater Quality and Agricultural Assessment of Selected Trace Metals in Pakistan <i>Muhammad Mustaqeem, Ammarah Luqman, Zeliha Selamoglu</i></p> <p>Toxicity of Analgesic and Anti-Inflammatory Pharmaceuticals <i>Senar Aydın, Mehmet Emin Aydın, Fatma Bedik, Arzu Ulvi</i></p> <p>Aluminum in Domestic Poisoning and Research Methods <i>Kamala K. Badalova, Gaibverdi B. Iskandarov, Karina F. Orujova, Faiq P. Hasanov</i></p> <p>Comparison of Some Physiological and Biochemical Parameters of <i>Salvia tomentosa</i> Distributed in Roadside and Inner Parts <i>Huseyin Turker, Zeynep Duzelten Balli, Bengu Turkylmaz Unal</i></p> <p>Microbiological Quality of Packaged Water Sold in Sivas <i>Özlem Pelin Can</i></p> |
| <p style="text-align: center;">11:00-12:30 Session 5</p> | <p style="text-align: center;">HALL 1992 B</p> <p style="text-align: center;">Bioengineering and biotechnology & Advances in biological, physical and chemical processes</p> | <p style="text-align: center;">Chairperson: Prof. Dr. Şükrü Aslan</p> <p>The Effect of Na-Alginate Concentration on Immobilization and Biosorption Characteristics of Bacillus Species <i>Elif Canpolat, Tuba Artan-Onat, Özge Çetin</i></p> <p>In Vitro Evaluation of Antibacterial Activity of Two Novel Bodipy Dyes Against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> <i>Esra Kılavuz, Ersen Turaç, Sedef İlk, Ertuğrul Şahmetlioğlu, Ersen Göktürk</i></p> <p>Characterization of <i>Paenibacillus</i> Sp. Isolated from Nigde Akkaya Dam <i>Elif Canpolat, Burcu Biterge-Süt</i></p> <p>The Formation Potential of Total Organic Halogens in Low SUVA Surface Waters <i>Kamil Şenel, Betül Aykut, Cihan Özgür, Şehnaz Şule Kaplan Bekaroğlu</i></p> <p>Investigation of Treatability of Fish Net Cleaning Water by Fenton Process <i>Kamil Şenel, Betül Aykut, Cihan Özgür, Şehnaz Şule Kaplan Bekaroğlu</i></p> <p>Determination of Different Milk Types Adulteration in Dairy Products by Applications of Immunological Methods <i>Usman M. Khan, Fariha Khan, Zeliha Selamoglu</i></p> |

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| <p>11:00-12:30 Session 5</p> | <p>HALL DEDE KORKUT</p> <p>Cleaner and sustainable production</p> | <p>Chairperson: Prof. Dr. Meltem Sarıoğlu Cebeci</p> <p>The Use of Multi-Criteria Decision Making Models for Selection of Best Available Techniques in Cleaner Production Applications <i>Elif Şimşek, Ayşe Dal, Yunus Emre Demirel, Emrah Öztürk, Mehmet Kitiş</i></p> <p>Energy Recovery of the Biomass Mixture and Sewage Sludge <i>Casen Panaitescu, Dorin Bombos, Fehiman Çiner</i></p> <p>Effects of Inlet and Outlet Heights on Clean Pressure Drop in a Cyclone <i>Aykut Karadeniz, Coşkun Ayyaz, Kadir Ulutaş, Selami Demir</i></p> <p>Determination of the Direct Energy Consumption during the Production of Organic Grapes in Kayseri <i>Kübranur Cingirt, Evrim Karaçetin</i></p> <p>Sewage Sludge for Fuel Production <i>Casen Panaitescu, Fehiman Çiner</i></p> <p>Energy Efficiency Applications: Metal Industries <i>Işıl Hasdemir, Fatma Esen, Mehmet Ferhat Sarı</i></p> |
| <p>12:30- 13:30</p> | <p>LUNCH (University Restaurant)</p> | |
| <p>13:30-15:20 Session 6</p> | <p>HALL 1071</p> <p>Engineering law, policy and economics</p> | <p>Invited Speaker Prof. Dr. İsmail TORÖZ İstanbul Technical University (Turkey) Title: The Place and Applicability of Turkish Penal Code in Protecting Environmental Quality</p> <p>Chairperson: Prof. Dr. İsmail Toröz</p> <p>Evaluation of Courses Including Innovative Educational Technologies in Environmental Engineering <i>Arzu Teksoy, Berrak Erol Nalbur, Seval Kutlu Akal Solmaz, Fehiman Çiner</i></p> <p>Sustainable Product Design for Circular Economy <i>Melike Çakmak</i></p> <p>Environmental Awareness and Carbon Footprint: The Case of Nigde <i>Hasan Bülbül, Arzum Büyükkelik, Ayşe Topal</i></p> <p>Analysis of Relationship between Waste Management and The European Union Environmental Legislation in the Mining Sector <i>M. Suat Delibalta, Fehiman Çiner</i></p> <p>The Effect of Environmental Awareness on Household Practices and Purchasing Behavior <i>Hasan Bülbül, Arzum Büyükkelik, Buket Özoğlu</i></p> <p>Revisiting Rachel Carson: Environmental Apocalypticism in Silent Spring <i>Barış Ağır</i></p> |

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| <p style="text-align: center;">13:30-15:20 Session 6</p> | <p style="text-align: center;">HALL 1299</p> <p style="text-align: center;">Waste Management</p> | <p style="text-align: center;">Invited Speaker Prof. Dr. Nuri AZBAR Ege University (Turkey)</p> <p style="text-align: center;">Title: Waste to Value: Case Studies</p> <p style="text-align: center;">Chairperson: Prof. Dr. Nuri Azbar</p> <p style="text-align: center;">Possible Contribution of the Plastic Pochette Pricing to the Environmental Responsibility Awareness: Kafkas University Sample <i>Murat Demirel</i></p> <p style="text-align: center;">Site Selection for Industrial Areas Geographical Information System Based Sieve Analysis and Analytical Hierarchy Process: Sivas City Example <i>Can Bülent Karakuş, Sayiter Yıldız</i></p> <p style="text-align: center;">Electrical and Electronic Wastes and Consumer Behaviours: Niğde Case Study <i>Fehiman Çiner, Muhammed Üzüm, Mehmet Altuntaş</i></p> <p style="text-align: center;">Waste Management Application in Environmental Management System: PTT Example <i>Bircan Güner, Esma Biçer</i></p> <p style="text-align: center;">Production of Leather Dye from Waste Walnut and Hazelnut Brown Shells: A Reuse Study <i>Tuğba Özsoy, Ruhsar Arabacıoğlu, Neslihan Doğan-Sağlamtimur, Ersen Turaç</i></p> <p style="text-align: center;">The Role of Landscape Architects in Climate Change: Canakkale Urban Area Analysis <i>Merve Temiz, Alper Sağlık, Mehmet İlkan Bayrak, Elif Sağlık, Abdullah Kelkit</i></p> |
| <p style="text-align: center;">15:20- 15:30</p> | <p>Coffee Break</p> | |
| <p style="text-align: center;">15:30-17:00 Session 7</p> | <p style="text-align: center;">HALL 1071</p> <p style="text-align: center;">Water quality</p> | <p style="text-align: center;">Chairperson: Assoc. Prof. Dr. Yağmur Uysal</p> <p style="text-align: center;">Modeling of Water Quality Index of Drinking Water Treatment Plant Effluent with Artificial Neural Networks <i>Alper Alver</i></p> <p style="text-align: center;">Determination of Surface Water Quality of Karasu Stream (Hatay) According to the Physicochemical Parameters <i>Funda Turan, Meltem Eken, Ayşegül Ergenler</i></p> <p style="text-align: center;">Assessment of Water Quality of the Orontes River Basin, Turkey <i>Funda Turan, Meltem Eken, Ayşegül Ergenler</i></p> <p style="text-align: center;">An Overview of the Quality of Water Resources in the Upper East Region of Ghana <i>Emmanuel Daanoba Sunkari, Samuel Kojo Abanyie</i></p> <p style="text-align: center;">The Determination of Physico-Chemical Parameters of some Freshwater Resources Poured into the Iskenderun Bay and the Evaluation of Water Quality <i>Esra Bıçkıcı, Meltem Eken</i></p> <p style="text-align: center;">Chlorpyrifos Removal by Single-Wall Carbon Nanotubes (SWCNTS) <i>Büşra Dolan, Yağmur Meltem Aydın Kızılkaya, Vedat Uyak</i></p> |

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| <p>15:30-17:00 Session 7</p> | <p>HALL 1299</p> <p>Earth and natural sciences</p> <p>Water quality</p> | <p>Chairperson: Prof. Dr. Mehmet Şener</p> <p>The Effect of Irrigation Water Used in Landscape on Facing Stones <i>Mustafa Korkanç, Uğur Erdem Dokuz, Selma Yaşar Korkanç</i></p> <p>Discrimination of the Geological, Pedogenic and Anthropogenic Parts of the Heavy Metals in Acidic Soils <i>Abdurrahman Lermi and Ali Gürel</i></p> <p>Land Use/Cover Changes in Somalia from 2003 to 2016 <i>Mohammed Yahye, Filiz Dadaser-Celik</i></p> <p>Fuzzy Cognitive Maps for Understand Human-Aquifer Interactions in the Palas Basin <i>Mehmet Soylu, Omer Karadeniz, Filiz Dadaser-Celik</i></p> <p>Occurrence, Health Risks and Geochemical Mechanisms of Fluoride in Groundwater of the Northeastern Region, Ghana <i>Emmanuel Daanoba Sunkari, Musah Saeed Zango, Mahamuda Abu, Abdurrahman Lermi</i></p> |
| <p>15:30-17:00 Session 7</p> | <p>HALL 1453 A</p> <p>Advances in biological, physical and chemical processes</p> | <p>Chairperson: Assoc. Prof. Dr. Nevin Çankaya</p> <p>Thermodynamic Studies for Adsorption of Pharmaceuticals Compounds onto Soil <i>Ülker Aslı Güler, Eliza Tuncel, Mehtap Erşan</i></p> <p>Effect of Aluminium Content of Zeolites on Arsenic Removal from Aqueous Solutions <i>Ayten ATEŞ</i></p> <p>Acid Red 73 Dye Removal with Advanced Oxidation Processes and Evaluation of Energy Consumption <i>Emine Baştürk</i></p> <p>Synthesis of a New Adsorbent using Waste Ash and Tetracycline Removal <i>Mehtap Erşan, Hatice Doğan</i></p> <p>Arsenic Removal from Aqueous Solutions with Alkali Treated Natural Zeolites <i>Ayten ATEŞ</i></p> <p>Investigation of Removal of Safranin using Hazelnut Shell <i>Mehtap Erşan, Fatma Elibol, Hatice Doğan</i></p> <p>Removal of Automotive Industry Wastewaters by using Advanced Treatment <i>Meltem Sarioglu Cebeci, Emine Nur Uurlu</i></p> |

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| <p>15:30-17:00 Session 7</p> | <p>HALL 1453 B Air quality and modelling</p> | <p>Chairperson: Prof. Dr. Bahtiyar Öztürk</p> <p>Evaluation of Performances of Turbulence Models for CFD Simulation of Cyclone Separators <i>Sena Gençoğlu, Aykut Karadeniz, Murat Aksel, Selami Demir</i></p> <p>Determination of Emission Factor for Asphalt Paving <i>Bahtiyar Öztürk, Nizami Mustafazade</i></p> <p>Determination of Polycyclic Aromatic Hydrocarbons (PAHs) Concentration in Indoor and Outdoor Air <i>Fatma Esen, Mehmet Ferhat Sari</i></p> <p>Statistical Evaluation of Seasonal Relationship between Air Pollution Levels in Adana City Centre and Meteorological Conditions <i>Çağatayhan Bekir Ersü, Hasan Kıvanç Yeşiltaş, Baha Akyüz</i></p> <p>Determination of PM₁₀ Dispersion by using Aermod View: A Case Study in Nigde (Turkey) <i>Mustafa Tel, Neslihan Doğan-Sağlamtimur</i></p> <p>Sivas City Air Quality Assessment <i>Ülker Aslı Güler, Berna Fil</i></p> |
| <p>15:30-17:00 Session 7</p> | <p>HALL 1992 A Wastewater treatment and management</p> | <p>Chairperson: Assoc. Prof. Dr. Niğmet Uzal</p> <p>Disposal of Sivas Wastewater Treatment Plant Treatment Sludges with Vegetable Waste <i>Meltem Sarıoğlu-Cebeci, Turgay Bişgin</i></p> <p>Application of Constructed Wetlands for Domestic Wastewater Treatment of Rural Areas in Sivas, Turkey <i>Şükrü Aslan, Sayiter Yıldız, Merve İrgi, Tuğçe Şahin</i></p> <p>Effect of Inflow Distribution Ratio on Nitrogen Removal Performance in Step-Feed Anoxic-Aerobic Sequencing Batch Reactor <i>Engin Gürtekin</i></p> <p>Copper Effect on Nitrification Process in Batch Units <i>Şükrü Aslan, Sezgin Sözer, Ali Güven</i></p> <p>Effect of Anoxic/Aerobic Phase Ratio on Nitrogen Removal Performance in Step-Feed Anoxic-Aerobic Sequencing Batch Reactor <i>Engin Gürtekin</i></p> <p>Treatment of Textile Waste Water by using Photocatalytic and Adsorption Methods with Nano-TiO₂ <i>Şeyma Türkyılmaz, İsmail Ayhan Şengil, Nazire Pınar Tanattı</i></p> <p>Occurrence of Antibiotics in Sewage Sludge of Urban Wastewater Treatment Plant <i>Senar Aydın, Mehmet Emin Aydın, Fatma Bedük, Arzu Ulvi</i></p> |

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| 15:30-17:00 Session 7 | HALL 1992 B Bioengineering and biotechnology | <p style="text-align: center;">Chairperson: Assoc. Prof. Dr. Hatice İnan</p> <p style="text-align: center;">Investigation of the Effect of TiO₂ on Chlorella Enzyme Activity <i>Mesut Sezer, İsmail Ayhan Şengil, Nazire Pınar Tanattı</i></p> <p style="text-align: center;">Treatment of Electrocoagulated Biodiesel Wastewater by using Chlorella Vulgaris <i>Meryem Mehmetbaşoğlu, N. Pınar Tanattı, Melisa Sırma, Ekrem Karataş, İ. Ayhan Şengil</i></p> <p style="text-align: center;">Biological Treatment of Heavy Metals by Gen Technology <i>Şeyma Akkurt, Merve Oğuz</i></p> <p style="text-align: center;">The Effects of Various Drying Technics and Maltodextrin Coating on Quality of Different Apple Cultivars <i>Kübra Eroğlu, Melike Uçan, Mehmet Kozak, Hüseyin Bitirir, Hande Baltacıoğlu</i></p> <p style="text-align: center;">Environmental Conditions affecting the Removal of Chromium by Bacteria <i>Şeyma Akkurt, Merve Oğuz</i></p> <p style="text-align: center;">Use of Fourier Transform Infrared (FTIR) Spectroscopy for the Determination of the Enzyme Inactivation Mechanism <i>Katibe Sinem Coruk, Hande Baltacıoğlu</i></p> <p style="text-align: center;">Treatment of Nitrogen-Phosphorus Adulterated Biodiesel Wastewater with <i>Chlorella vulgaris</i> <i>Gözme Katırcıoğlu Sınmaz, Büşra Erden, Nazire Pınar Tanattı, Elif Cihan, İsmail Ayhan Şengil</i></p> |
| 17:15 -17:30 | Closing Ceremony | |
| 17:30-19:30 | Travel (Roman Pool, Tyana Aqueducts, Castle of Nigde, Alaaddin Mosque) | |
| 20:00 | Gala Dinner | |

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| JUNE 29, 2019, SATURDAY | HOUR | | DAY 3 -Saturday (29 June 2019) |
| | 09:30-20:00 | Travel | Gumusler Monastery and Cappadocia |

| POSTER PRESENTATIONS |
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| <p style="text-align: center;">Investigation of the Measurements of the Therapy Garden Planning and Design Measures in the Example of Mental and Nerve Diseases Hospitals</p> <p style="text-align: center;"><i>Zeynep Teberođlu, E. Figen (Dilek) İlke</i></p> |
| <p style="text-align: center;">Biodegradation Studies of the Reactive Red Azo Dye by Electrosoray/Mass Spectrometry</p> <p style="text-align: center;"><i>Meysun I. Abdullah, Ayten Öztürk</i></p> |
| <p style="text-align: center;">Beneficial Roles of Freshwater Mussels in the Ecosystem</p> <p style="text-align: center;"><i>Hülya Şereflişan</i></p> |
| <p style="text-align: center;">Characterization of Geopolymers based on Polish Coal Gangues</p> <p style="text-align: center;"><i>Janusz Mikula, Michał Łach, Tomasz Ronczoszek, Kinga Korniejenko</i></p> |
| <p style="text-align: center;">The Possibilities of Use Coal Gangues as an Additive to Geopolymer Concretes</p> <p style="text-align: center;"><i>Michał Łach, Kinga Korniejenko, Tomasz Ronczoszek, Norbert Komar, Janusz Mikula</i></p> |
| <p style="text-align: center;">The Effect of Vitamin K on Aquatic Animals</p> <p style="text-align: center;"><i>Erkan Uđurlu, Önder Duysak, Hülya Şereflişan</i></p> |
| <p style="text-align: center;">Remediation of Soils Contaminated by Polycyclic Aromatic Hydrocarbons</p> <p style="text-align: center;"><i>Nilgün Balkaya, Müge Balkaya</i></p> |
| <p style="text-align: center;">Comparison of Efficiency of Removal Methods for Different Boron Concentrations</p> <p style="text-align: center;"><i>Zehra Betül Öcal Sarıhan, Ahmet Karagündüz, Bülent Keskinler</i></p> |
| <p style="text-align: center;">Investigation of Polyfone Membrane Production and Performance for Dye Removal</p> <p style="text-align: center;"><i>Tuba Saçak, Ahmet Karagündüz</i></p> |
| <p style="text-align: center;">Green Roofs and Rainwater Management</p> <p style="text-align: center;"><i>Ayten Koca, Hatice İnan</i></p> |
| <p style="text-align: center;">The Use of Supercritical Water Oxidation Treatment Processes in Environmental Engineering</p> <p style="text-align: center;"><i>Mesut Tekbaş, Nihal Bektaş</i></p> |
| <p style="text-align: center;">Household Water Management Technologies for Urban Sustainability</p> <p style="text-align: center;"><i>Uđur Minaz, Hatice İnan</i></p> |

ATTENTION: Posters (70x100 cm in size) could remain suspended throughout the conference.

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