

<p>IMPORTANT, PLEASE READ CAREFULLY</p> <ul style="list-style-type: none"> • Presentations will be online and onsite simultaneously in the same session. Onsite speakers will connect from the conference hall. • Presentations in bold in the programme are online, others are on-site. • Online presentations will be made via Microsoft Teams. Please MAKE sure your computer is ready to use Microsoft Teams. • Links are shared under each session. • Speakers must be connected to the session 10 minutes before the presentation time. • Presentation time is 10 minutes. Please do not exceed this period. After the presentation, if available a question-discussion period not exceeding 3 minutes is allowed. • All congress participants can connect online and listen to all sessions. • Your camera should be turned on during the presentation. • Chair is responsible for the presentation and scientific discussion (question-answer) section of the session. • You should be able to use screen sharing feature in Microsoft Teams. • Attendance certificates will be sent as pdf at the end of the conference. • When you login to Microsoft Teams, please indicate your paper ID and name surname as participant name. For example: "ID 150- Gokhan Demircan". 				
<p>FINAL PROGRAMME</p> <p>12th Global Conference on Global Warming (GCGW-2024) - Şanlıurfa, Türkiye, May 16 - 19, 2024</p>				
<p>Day 1 - Thursday 16th May 2024</p>				
<p>Urfa Ballroom</p>				
<p>Registration</p>				
<p>Opening Talks</p>				
<p>İsmail HİLALİ (Congress Chair)</p>				
<p>Mehmet Tahir GÜLLÜOĞLU (Rector, Harran University)</p>				
<p>Short Talk : İbrahim DİNÇER</p>				
<p>"Energy and Global Events"</p>				
<p>Theme Speaker : Abdulkadir BALIKÇI (TENMAK President)</p>				
<p>"The Pivotal Role of Hydrogen in Türkiye's Green Energy Transition"</p>				
<p>Coffee Break</p>				
<p>Chair: İbrahim DİNÇER</p>				
<p>Keynote Speaker: Seeram RAMAKRISHNA</p>				
<p>"Is Circular Economy the Panacea for Decarbonization of Economies?"</p>				
<p>Keynote Speaker: Fariborz HAGHIGHAT</p>				
<p>"Integration of Energy Storage with Buildings –Managing Energy Demand & Emissions"</p>				
<p>Lunch</p>				
<p>Urfa Ballroom</p>				
<p>Keynote Speaker: Wei-Hsin CHEN</p>				
<p>"Advances in Thermoelectric Generation for Carbon Zero: From Waste Heat to Green Power"</p>				
<p>Session 1 (Urfa Ballroom 1)</p>				
<p>Session 2 (Urfa Ballroom 2)</p>				
<p>Session 3 (Halfeti Meeting Room 2)</p>				
<p>Session 4 (Halfeti Meeting Room 3)</p>				
<p>Big Data, Artificial Intelligence in Energy Sector I</p>				
<p>Chair: Fatih Sorgulu</p>				
<p>Climat Change Impacts I</p>				
<p>Chair: Oğuz Şimşek</p>				
<p>Clean Transportation I</p>				
<p>Chair: Mehmet Fatih Dilekoğlu</p>				
<p>Global Warming and Environment I</p>				
<p>Chair: Muhsin Kılıç</p>				
<p>Link for online presentation: Click Here (S1)</p>				
<p>Link for online presentation: Click Here (S2)</p>				
<p>Link for online presentation: Click Here (S3)</p>				
<p>Link for online presentation: Click Here (S4)</p>				
<p>#56 "Energy, Cost and CO₂ Emission Values in Hydro River, Nuclear and Solar Energy Based Microgrid"</p>				
<p><i>Sertöz, Mine*; Fidan, Mehmet</i></p>				
<p>#54 "Comparison of Karaköprü District of Şanlıurfa Province with Different Examples in Terms of Eco-City Planning"</p>				
<p><i>Polat, Ömer Faruk*; Yenigün, İbrahim</i></p>				
<p>#21 "Hydrogen Fuel Cell Vehicles: The Future of Transportation"</p>				
<p><i>Günaydin, Ömer Faruk; Topçu, Salih; Aksoy, Aslı*</i></p>				
<p>#34 "An Integrated Facility for Multiple Useful Outputs with CO₂ Capture and Utilization in Steel Industry"</p>				
<p><i>Akgun, İbrahim*; Dincer, İbrahim</i></p>				
<p>#66 "Analysis of Photocatalytic Hydrogen Production from Glycerol Using Machine Learning"</p>				
<p><i>Karakoyun, Rüveyda Demir; Oral, Burcu; Yıldırım, Ramazan*</i></p>				
<p>#40 "An Integrated Offshore Energy System for CO₂ Mitigation"</p>				
<p><i>Temiz, Mert*; Dincer, İbrahim</i></p>				
<p>#23 "Conversion of Diesel Vehicles to Hydrogen-Powered Vehicles for Sustainable Urban Transportation: A Case Study of Muş Province"</p>				
<p><i>Mehmet Ali Köprü*; Öztürk, Dursun; Yıldırım, Burak</i></p>				
<p>#37 "Investigation of A New Natural Gas Production System"</p>				
<p><i>Bolt, Andre A*; Dincer, İbrahim; Agelin-Chaab, Martin</i></p>				
<p>#95 "Forecasting of Photosynthetically Active Radiation Using Recurrent Neural Network Based LSTM Architecture"</p>				
<p><i>Akca, Seyma*; Akyüz, Dilek Eren; Balık Sanlı, Fusun</i></p>				
<p>#113 "Sustainability of Zeolite-Based Metal Organic Frameworks for Direct Air Capture of CO₂: A Life Cycle Assessment"</p>				
<p><i>Mir, Namra*; Bicer, Yusuf; Amhamed, Abdulkarem</i></p>				
<p>#160 "Techno-Economic Cost Analysis and Carbon Footprint Green Hydrogen Fueled Marine Vessels"</p>				
<p><i>Çelikdemir, Soner*; Yıldırım, Burak; Özdemir, Mahmut Temel</i></p>				
<p>#41 "Reduction of Carbon Dioxide Emission from Drinking Water Treatment Using Malt Dust Derived Biochar: An Experimental Indicator for CO₂ Capture"</p>				
<p><i>Yapıcıoğlu, Pelin*; Yeşilnacar, Mehmet İrfan</i></p>				
<p>#209 "Navigating the Future: A Life Cycle Impact Analysis of Transportation Sector Transformations Towards Net Zero Goals"</p>				
<p><i>Aydın, Muhammed İberia*; Dincer, İbrahim</i></p>				
<p>#20 "Assessment of Different Index Methods' Effects on The Parameters of Meteorological Drought in The Context of Global Climate Change: An Example from Sarıyer Station, Türkiye"</p>				
<p><i>Eren, Ahmet Erhan; Avşaroğlu, Yavuz; Şimşek, Oğuz*; Gumus, Veysel</i></p>				
<p>#178 "Thermodynamic Analysis of An Organic Rankine Cycle System Design Working Under Vacuum Conditions for LNG-Powered Marine Vessels"</p>				
<p><i>Kılıç, Barışhan; Konur, Olgun*; Taşcıoğlu, Emir Atakan</i></p>				
<p>#156 "Thermodynamic Performance Evaluation of Subcritical and Transcritical CO₂ Refrigeration Cycles for indoor Applications"</p>				
<p><i>Kılıç, Muhsin*; Kaynaklı, Ömer; Yüksel, Ali Fatih; Topal, Onur</i></p>				
<p>#205 "Assessment of a Hydrogen-fueled Gas Turbine-based Integrated System and Potential CO₂ Tax Savings"</p>				
<p><i>Sorgulu, Fatih*; Dincer, İbrahim</i></p>				
<p>#36 "Comprehensive Drought Insights: A Copula-Based Evaluation of Meteorological and Hydrological Droughts for Malatya"</p>				
<p><i>Avşaroğlu, Yavuz; Şimşek, Oğuz*; Gumus, Veysel</i></p>				
<p>#183 "Optimization of Hydrogen Distribution Network Design in İstanbul for Sustainable Transportation"</p>				
<p><i>Erdogan, Ahmet; Söylemez, İsmet*; Güler, Mehmet Guray</i></p>				
<p>#161 "Thermodynamic Analysis of Simple and Pre-Cooled Linde-Hampson Air Liquefaction Systems"</p>				
<p><i>Kılıç, Muhsin*; Altun, Ayşe Fidan</i></p>				
<p>Tea Break</p>				
<p>Session 5 (Urfa Ballroom 1)</p>				
<p>Session 6 (Urfa Ballroom 2)</p>				
<p>Session 7 (Halfeti Meeting Room 2)</p>				
<p>Session 8 (Halfeti Meeting Room 3)</p>				
<p>Climate Change Impacts II</p>				
<p>Chair: M. Emin Tenekeci</p>				
<p>Big Data, Artificial Intelligence in Energy Sector II</p>				
<p>Chair: Nizar Polat</p>				
<p>Clean Transportation I</p>				
<p>Chair: Hurmuz Gursu</p>				
<p>Global Warming and Environment II</p>				
<p>Chair: M. Jafar Kermani</p>				
<p>Link for online presentation: Click Here (S1)</p>				
<p>Link for online presentation: Click Here (S2)</p>				
<p>Link for online presentation: Click Here (S3)</p>				
<p>Link for online presentation: Click Here (S4)</p>				
<p>#90 "The Climate Consequences of Watering Ponds in Agriculture"</p>				
<p><i>Yiğit, Abdurahman Yasin*; Şimşek, Oğuz; Şenol, Halil İbrahim</i></p>				
<p>#91 "Estimating Carbon Stock Through UAV-Derived Above-Ground Biomass Analysis"</p>				
<p><i>Akca, Seyma*; Polat, Nizar</i></p>				
<p>#112 "Performance Assessments of PW127-E Turboprop Engine by Using Reverse Engineering"</p>				
<p><i>Yüksel, Onur*; Aygün, Hakan</i></p>				
<p>#79 "Exergoenvironmental Assessment of An Integrated Hydrogen Reactor"</p>				
<p><i>Akci, Hilal*; Dincer, İbrahim</i></p>				
<p>#131 "The Relationship of Global Warming with Urban Floods and A Research on Data: The Case of Şanlıurfa"</p>				
<p><i>Yaşar, A. Oktay*; Dilekoğlu, Mehmet Fatih; Yenigün, Kasım</i></p>				
<p>#140 "A Comparative Study of Deep Learning Models for Solar Radiation Forecasting in PV Power Systems Based on Big Data Analysis"</p>				
<p><i>Alay, Fatma Didem*; İlhan, Nagehan; Güllüoğlu, Mehmet Tahir</i></p>				
<p>#157 "A Case Study for Determining the Türkiye Hydrogen Pipeline Corridor"</p>				
<p><i>Çelikdemir, Soner*; Yavuz Çelikdemir, Meltem; Özdemir, Mahmut</i></p>				
<p>#80 "Environmental Impact Assessment of Recycling Waste Collection and Sorting Process with Life Cycle Assessment Approach"</p>				
<p><i>Temizyürek Arslan, Merve*; Taşkin, Akif; Demir, Nesrin</i></p>				
<p>#143 "Renewable-Powered Transition: Analyzing Electric Vehicle Charging Solutions Across Seven Turkish Cities"</p>				
<p><i>Aykut Fatih GÜVEN; Akpak, Zülal; Koyunoğlu, Cemil*</i></p>				
<p>#159 "Analysis of Renewable Energy-Based Radiant Cooling Systems Through Artificial Neural Network for Composite Weather"</p>				
<p><i>Deb, Sandipan; Singh, Gaurav; Das, Ranjan*</i></p>				
<p>#172 "Comparative Analysis of Lumped Model and NTGK Model Approaches for Li-ion Batteries"</p>				
<p><i>Tekin, Vedat*; Karakor, Aykut; Colpan, Can Özgür; Ezan, Mehmet Akif; Korkmaz, Aykut Suleyman; Karaoğlan, Mustafa Umut; Ereğ, Aytunc; Yurdadas, Ali</i></p>				
<p>#81 "Corporate Carbon Footprint in Industrial Facilities: A Textile Company Example"</p>				
<p><i>Özdemir, Adem*; Demir, Nesrin Kayataş</i></p>				
<p>#192 "Climate Data Quality Assessment by Relative Homogeneity Test in The Western Black Sea Basin in Turkey"</p>				
<p><i>Keskin, Muhammed Zakir; Abu Arra, Ahmad*; Şişman, Eyüp</i></p>				
<p>#207 "Investigatin of Spark Ignition Advance on NOx Emissions A Range Extender Engine"</p>				
<p><i>Doğdu, Murat Ferhat*</i></p>				
<p>#174 "Investigation of Cold Plate-Based Thermal Management System for Li-ion Batteries"</p>				
<p><i>Karakor, Aykut*; Tekin, Vedat; Korkmaz, Aykut Suleyman; Colpan, Can Özgür; Ezan, Mehmet Akif; Karaoğlan, Mustafa Umut; Ereğ, Aytunc; Yurdadas, Ali</i></p>				
<p>#173 "Vehicle Routing Problem for Maintenance of Electrical Networks"</p>				
<p><i>Karakoç, Veysi*; Karacizmeli, Hakan İzzettin</i></p>				
<p>#195 "Temporal Drought Evaluation and Drought Characteristics Using SPI: Threshold Effects and Implications."</p>				
<p><i>Abu Arra, Ahmad*; Keskin, Muhammed Zakir; Şişman, Eyüp</i></p>				
<p>#196 "Determination of the Best Hydrogen Production Technique Through Analytic Hierarchy Process"</p>				
<p><i>Miman, Mehmet*; Hilali, İsmail</i></p>				
<p>#212 "An Investigation Study Of NiCo/rGO Catalyst In Hydrogen Generation from Sodium Borohydride"</p>				
<p><i>Nasrin Pourmoghaddam; Nezihe AYAS*</i></p>				
<p>#210 "Design And Performance Analysis Of Parabolic Through Solar Collector Based Power and Hydrogen Generation System"</p>				
<p><i>Zafer Utlu*; Arif Karabuga</i></p>				
<p>#213 "Synthesis Of Cobalt-Based Electrocatalysts Vial Electrochemical Methods And Investigation of Their Effects On Hydrogen Evolution Reaction"</p>				
<p><i>Hurmuz Gursu*</i></p>				
<p>#208 "Comparative Lifecycle Assesment Of Diesel, Hydrogen Fuel Cell And Electric Transit Buses In Real Driving Cycle"</p>				
<p><i>Pouria Ahmadi*</i></p>				
<p>Close</p>				
<p>Tour of the Historical old Urfa Plateau</p>				
<p>17:30</p>				
<p>18:00</p>				

Time	Day 2 - FRIDAY 17th May 2024			
09:30-10:10	Keynote Speaker: Feridun HAMDULLAHPUR "Recent Developments in Fuel Cells, and Hydrogen Utilization"			
10:10-10:25	COMFORT BREAK			
10:30-12:00	Session 9 (Urfa Ballroom 1) Global Warming and Environment III Chair: Mehmet Azmi Aktacir Link for online presentation: Click Here (S1)	Session 10 (Urfa Ballroom 2) Energy Storage Chair: Hüsamettin Bulut Link for online presentation: Click Here (S2)	Session 11 (Halfeti Meeting Room 2) Renewable Energy & Sustainability I Chair: Canan Kandilli Link for online presentation: Click Here (S3)	Session 12 (Halfeti Meeting Room 3) Energy Policies & Strategies Chair: İsmail Hilali Link for online presentation: Click Here (S4)
	#92 "Advancements in Oil Spill Detection Using Sentinel 1 SAR" <i>Yiğit, Abdurrahman Yasin*; Senol, Halil Ibrahim</i>	#98 "Enhancing Safety in Hydrogen Storage Through Simulation-Based Blast Resistance" <i>Balaban, Hakan; Demir, Ozgur; Gedikli, Ersegun D*</i>	#101 "Carbon Sequestration under a Sustainable Development of Sanliurfa Region" <i>Ernst, Fred B.*; Coşkun Koca, Nur G; Tektas, Yunus; Polat, Ömer</i>	#44 "Heat Flux Change on External Walls Exposed and not Exposed To Fire" <i>Kon, Okan; Caner, İsmail*</i>
	#187 "Long-Term Performance Analysis of Solar Power Plant At Harran University" <i>Yaşarsoy, Mehmet; Güzel, Aykut; İlikhan, Mehmet Akif; Aktacir, Mehmet</i>	#100 "Experimental Investigation of Thermal Energy Storage Performance of Micro-Cuo Doped Paraffin in Solar Air Collectors" <i>Ulker, Nergiz*; Bulut, Husamettin; Das, Ruken</i>	#170 "Hydrogen Production with Alkaline Electrolyzer in Fourth-Generation Nuclear Plants for a Sustainable Environment" <i>Dincer, Muhammet Mert*; Ozturk, Merve</i>	#57 "A Critical Analysis and Recommendations for Addressing the Energy Access Challenge" <i>Herdem, Munur S*; Nathwani, Jatin</i>
	#193 "Building Shape Impact on Energy Performance and Carbon Emissions" <i>Azami, Ahadollah*</i>	#118 "BCEM: An Advanced AI Supported Energy Management Software" <i>Geçer, Kenan; Demirhan Başbilen, Gaye; Kaçak, Caner; Gökçül, Furkan; Kuru, Mustafa; Gugul, Gul Nihal*</i>	#53 "Potential Utilization of Natural Zeolites for Enhanced Solar Energy Systems: A Brief Review" <i>Kandilli, Canan*</i>	#168 "Analyzing The Influence of Global Geopolitical Unrest Over The Rare Earth Elements on The Progression of Green Hydrogen Technologies" <i>Hilali, İsmail*</i>
	#206 "Environmental Impact Assessment of Syngas Generation from Biomass Gasification" <i>Güler, Nurhan Üregen*; Yumurtacı, Zehra</i>	#127 "Thermal Structure of Bentonite in Hydrogen Adsorption: Effect of Treatment Temperature Change" <i>Bingöl, Ayşe Nisa; Bayraktar Ates, Ezgi*</i>	#138 "Comparison of Vanilla, Denset, Unet and Squeeze-and-Excitation Blocks for Wind Power forecasting" <i>Akar, Funda*</i>	#188 "A Study of Hydrogen Production of A Hybrid Solar-Wind Based Mg-Cl Thermochemical Cycle with Taguchi Method" <i>Çakiroğlu, Ramazan*; Şener, Gamze; Çinici, Oguz Kaan; Acir, Adem</i>
	#63 "Calculation of the Repayment Period According to The Current Value Method of An Office with BIPV/T Under Şanlıurfa Conditions" <i>Demir, Yusuf Can; Güzel, Aykut*; Aktacir, Mehmet Azmi</i>	#199 "Sequestration of CO ₂ in Concrete Review" <i>Sertyşlişik, Pelin*; Uygunoğlu, Tayfun</i>	#7 "Experimental Analysis of Model Trombe Wall Based on The Natural Zeolite Composite Plate" <i>Yılmaz, Hakan*; Kandilli, Canan</i>	#43 "Heat Exchange in Geothermal Wellbore Used for Carbon Dioxide Storage" <i>Kon, Okan; Caner, İsmail*</i>
	#62 "Carbon Emission Reduction Potential of Bifacial and Monofacial Photovoltaic Panels" <i>Güzel, Aykut*; Çağ, Serkan; Demir, Yusuf Can; Aktacir, Mehmet Azmi</i>	#200 "Sequestration of CO ₂ in Concrete with Different Fibers" <i>Sertyşlişik, Pelin*; Uygunoğlu, Tayfun</i>	#217 "Developing an Innovative Method for Determining The Optimal Positions and Heights of Buildings in Terms of Thermal Performance, Wind Load and Microclimate" <i>Güneş, Serkan*; Fıratoğlu, Z.Abidin; İşiker Yusuf</i>	#122 "Investigation of The Effect of Different Ratios of Carbon Nanotube Enhancement on The Thermal Properties of Composite Phase Change Material" <i>Akgün, Hasret*; Özkan, Aysun; Günkaya, Zerrin; Banar, Mufide</i>
12:30-13:30	Lunch			
13:40-14:20	Keynote Speaker: Bruce LOGAN "Local Energy Knowledge Will Enable Global Climate Change Solutions"			
14:30-15:45	Session 13 (Urfa Ballroom 1) Water Resources & Management Chair: Hüseyin Yıldırım DALKILIÇ Link for online presentation: Click Here (S1)	Session 14 (Urfa Ballroom 2) Waste Management Chair: Serkan Kaya Link for online presentation: Click Here (S2)	Session 15 (Halfeti Meeting Room 2) Sustainability, Resilience, & Circular Economy Chair: Abdülkadir Ayanoğlu Link for online presentation: Click Here (S3)	Session 16 (Halfeti Meeting Room 3) Renewable Energy I Chair: İsmail Ekmekçi Link for online presentation: Click Here (S4)
	#42 "Production and Characterization of Chitosan-Based Magnetic Field-Sensitive Particles" <i>İpek, Ömer; Taşar, Seyda*</i>	#49 "Quality Fuel Production By Co-Torrefaction of Biomass and Plastic Waste" <i>Alabiad, Mohamad Obeid; Duranay, Neslihan; Özer, Gizem*; Taşar, Şeyda</i>	#123 "The Use of Different Catalysts in Graphene Nanosheet Synthesis Via Pyrolysis of Plastic Wastes" <i>Öztürk, Mahmut*; Özkan, Aysun; Günkaya, Zerrin; Banar, Mufide</i>	#151 "Estimation of Energy Generation in A Vertical Axis Small-Scale Wind Turbine Using Wind Speed Distribution" <i>Oral, Faruk; Ekmekçi, İsmail*</i>
	#77 "Nitrogen-doped Carbon Aerogel Derived from Waste Paper As A Support Material for Pem Fuel Cell Electrocatalyst" <i>Aykut, Yasemin*; Bayrakçeken, Ayşe</i>	#61 "Biodegradable Film Production with Nanocellulose and Hemicellulose from Cotton Plant" <i>Kelender, Bengü*; Şaş, Ümmühan; Kurt, Yusuf</i>	#129 "Integrating Sustainability into University Campuses: A Comprehensive Framework for Environmental Management and Continuous Improvement" <i>Teke, Orkun*; Gençay, Semih</i>	#162 "Design of Innovative and Sustainable Housing and Its Combination with Multifunctional Architectural Approaches for Earthquake and/or Disaster Areas" <i>Doğan, Eda*; Hilali, İsmail; Ulker, Nergiz</i>
	#85 "Zirconium Oxide Doped Coffee Adsorbent Used for Heavy Metal Removal from Textile Wastewater" <i>Kemeç, Aslan; Sevgi*; Kurçin, Hürriye Ceren; Unlu, Derya</i>	#88 "Forecasting of Electricity Production from Biomass Through Combustion by Using Linear Regression in Jamovi" <i>Adigüzel, Enes; Bayraktar Ates, Ezgi*</i>	#134 "For PV Based Boost Converter Lyapunov Based PI Controller" <i>Kart, Sude*</i>	#165 "Advanced Modeling and Optimization for Renewable Energy Generation: A Comprehensive Study on Biomass, Hydro, and Wind Sources" <i>Fidan, Mehmet*; Sertsöz, Mine</i>
	#135 "An Innovative System for Fighting Salt Lake Droughts" <i>Erdemir, Dogan*; Dincer, Ibrahim</i>	#64 "Bioplastic Production from Waste Algae and Integration into Polymers" <i>Şaş, Ümmühan*; Kelender, Bengü; Değirmenci Mustafa; Kurt, Yusuf</i>	#214 "Efficiency Analyses in Şanlıurfa Wastewater Plant Mechanical and Biological Treatment Units" <i>Boycu, Muhammed Zübeyr; İşiker, Yusuf Ayanoğlu, Abdülkadir*</i>	#171 "A Small-Scale Hybrid Power System Consisting of on-Grid Photovoltaic System and Storage Unit: A Case Study for Duhok, Iraq" <i>Aktacir, Mehmet Azmi*; Sadiq, Hakar Zaki</i>
	#136 "Model Performance Evaluation with Siamese Neural Network in Hydrologic Modeling" <i>Dalkılıç, Hüseyin Yıldırım*; Baran, Ahmet</i>	#197 "A Hybrid Approach to Solving The Solid Waste Storage Center Selection Problem" <i>Altundağ, Muhammet Enes*; Kaya, Serkan</i>	#215 "Şanlıurfa Wastewater Plant Cogeneration Efficiency Analysis" <i>Boycu, Muhammed Zübeyr; İşiker, Yusuf Ayanoğlu, Abdülkadir*</i>	#198 "Thermodynamic Analysis of Ammonia-Water Absorption Heat Transformer Used to Increase Solar Collectors Temperature" <i>Barhoumi, Messaoud*; Ben Ezzine, Nizar; Arfaoui, Haifa; Lazaar,</i>
Poster Session				
#14 "Desulfurizing Pyrolysis of Coal and Wood Waste Mix in Cycling Double Column in Microwave for H ₂ " <i>Tosun, Yildirim I.*; Chichek, Fethullah</i>				
#75 "H ₂ Production from Methane Cracking with Concentrated Solar Energy (CSE) As Heat Source" <i>Ünlü, Ümran*; Aydın, Ebubekir Siddik; Yücel, Özgün</i>				
#108 "Electro spun Phosphotungstic Acid Loaded PVDF Membrane Performance for Microbial Fuel Cell" <i>Özyüür, Zeynep İrem; Nigiz, Filiz Uğur*</i>				
#133 "Investigation Of Thermal Conductivity of Phase Change Materials with Iron Nanoparticles" <i>Emir, Sedat*; Hoplamaç, Filiz; Alma, Fatma A; Paksoy, Halime</i>				
#146 "Sustainable Destination Management with Digital Promotion Tools Such as Virtual Reality" <i>Aydiner, Hasan Malik*</i>				
#181 "Removal Of Methyl Orange from Wastewater Using Novel ZrO Doped Grape and Olive-Based Bio-Adsorbents" <i>Kurçin, Hürriye Ceren*; Kemeç, Aslan, Sevgi; Unlu, Derya</i>				
#182 "Biomimetic Sequestration of CO ₂ Using Bovine Erythrocyte Carbonic Anhydrase (BCA) Enzyme Encapsulated in ZSM-5 Zeolite" <i>Benk, Seda Pinar; Ulus, Neslisah; Yuksel Orhan, Ozge*</i>				
#186 "Comparison Of the Removal Performance of D4 Siloxane from Biogas Using Silica Gel And TiO ₂ Adsorbents" <i>Nazlim, Ebrar; Benk, Seda Pinar; Yuksel Orhan, Ozge*</i>				
15:45-16:00	Tea Break			
16:00-17:30	Session 17 (Urfa Ballroom 1) Renewable Energy II Chair: Derya Unlu Link for online presentation: Click Here (S1)	Session 18 (Urfa Ballroom 2) Renewable Energy & Sustainability II Chair: Pelin Yapicioğlu Link for online presentation: Click Here (S2)	Session 19 (Halfeti Meeting Room 2) Renewable Energy & Sustainability III Chair: Berrin Kursun Link for online presentation: Click Here (S3)	Session 20 (Halfeti Meeting Room 3) Renewable Energy & Sustainability IV Chair: Mehmet Gursoy Link for online presentation: Click Here (S4)
	#190 "Effect of Climate Change on the Toxicity of Emerging Pollutants to Aquatic Organism" <i>Topuz, Emel*; Waseem, Ashna; Öztürk, İrem</i>	#51 "An Investigation of The Relationship Between Solar Radiation and Settlement: The Case of Eyyubiye District of Şanlıurfa Province" <i>Coşkun Koca, Nur G*; Yeniğün, Ibrahim</i>	#22 "Assessment of An Enviro-Friendly Geothermal Energy-Assisted Trigereneration System for Green Hydrogen Generation" <i>Yüksel, Yunus Emre*; Yılmaz, Fatih; Ozturk, Murat</i>	#154 "Meteorological Drought Prediction Using Machine Learning in Assessing Agricultural Drought: A Case Study of Turkey" <i>Sabamehr, Milad*; Ekin, Cansu Cigdem</i>
	#106 "Assessment of A Tri-Generation Solar Energy Based Power Plant with Nano Enriched PCM Based Energy Storage System" <i>İsmail, Mohamed M.*; Dincer, Ibrahim</i>	#55 "Effect of Malt Dust Addition on Biohythane Production from Brewery Wastewater Treatment in Two-Phase Anaerobic Bioreactors: A Biohydrogen Production Approach" <i>Yapicioğlu, Pelin*</i>	#24 "Thermodynamic Analysis of a Solar-Powered Multigeneration System with Liquid Hydrogen Production" <i>Yüksel, Yunus Emre*; Yılmaz, Fatih; Ozturk, Murat</i>	#31 "A Numerical Investigation of Electrical Energy Generation Utilizing Various Fluids and Piezoelectric Materials" <i>İpek, Fulya; Arkun, Cansu; Koprulu, Melih; Ayca, Sumeyya*</i>
	#107 "Design of An Advanced Renewable Energy System for Production of Alternative Fuels" <i>Meke, Ayşe Sinem*; Dincer, Ibrahim</i>	#60 "A Hybrid Approach To Solving The Distributed Energy System Selection Problem" <i>Doğan, Miraçnur*; Kaya, Serkan</i>	#26 "An SMR Driven Cogenerational System for Clean Hydrogen and Electricity Production" <i>Ishaq, Muhammad*; Dincer, Ibrahim</i>	#32 "An Effective Use of Renewables for Sustainable Communities and Greenhouses" <i>Gursoy, Mehmet*; Dincer, Ibrahim</i>
	#115 "An Integrated Solar and Wind Based System for Clean Fuels" <i>Kilicaslan, Ahmet Faruk*; Dincer, Ibrahim</i>	#67 "Energy and Exergy Analysis of A New Anti-Crystallization Solar Absorption Refrigeration System Suitable for Global Warming" <i>Arfaoui, Haifa; Ben Ezzine, Nizar*; Bouadila, Salwa; Lazaar, Mariem</i>	#27 "Enhancing Hydrogen Generation: NiFe Coated with Sputter Magnetron on Glass Coverslip Catalyst" <i>Akkus, Meryem Sena*</i>	#45 "Torrefaction of Pistachio Shell and Walnut Shell Blends" <i>Kardaş, Elif*; Taşar, Seyda; Yilgin, Melek; Duranay, Neslihan; Çakmak Kalkan, Meltem</i>
	#121 "Novel Biobased Catalyst "bio-MOF" Development for Hydrogen Production from Sodium Borohydride" <i>Ozdemir, Ruveyda; Unlu, Derya*</i>	#74 "Experimental investigation and Dynamic Simulation of Commercial R717-H ₂ O Absorption Chiller Powered By Fresnel Solar Collector" <i>Boukhoida, İsmail; Ben Ezzine, Nizar*; Arfaoui, Haifa; Bellagi</i>	#130 "Optimization of Renewable Energy Resources in İzmir: Mitigated Environmental Impacts" <i>Kursun, Berrin*</i>	#128 "Enhancing Wind Energy Efficiency in Turkey: Integrating Digital Twin Technology for Optimized Performance and Sustainability" <i>Teke, Orkun*; Depci, Tolga</i>
	#110 "Life Cycle Assessment of Waste-Based Packed-Bed Thermal Energy Storage System for Concentrated Solar Power Plants" <i>Koçak, Burcu*; Paksoy, Halime</i>			#76 "Boron-doped Graphitic Carbon Nitride Structure for Hydrogen Evolution Reaction" <i>Aykut, Yasemin*; Bayrakçeken, Ayşe</i>
18:00	Leaving by buses for the gala dinner (FEYZULLAH KONAĞI)			
18:30	Gala Dinner & Urfa Sıra Gecesi			
22:00	Close			

Day 3 - Saturday 18th May 2024				
Time	Day 3 - Saturday 18th May 2024			
	Session 21 (Urfa Ballroom 1)	Session 22 (Urfa Ballroom 2)	Session 23 (Halfeti Meeting Room 2)	Session 24 (Halfeti Meeting Room 3)
	Fuel Cells Chair: Halil İbrahim Şenol	Combustion & Gasification Chair: Şekip Esat Hayber	Global Warming and Environment IV Chair: Tuba Rastgeldi Dogan	Renewable Energy & Sustainability V Chair: Benan Yazici Karabulut
	Link for online presentation: Click Here (S1)	Link for online presentation: Click Here (S2)	Link for online presentation: Click Here (S3)	Link for online presentation: Click Here (S4)
09:30-10:45	#16 "Routes to Optimum Conditions of Plant Based Microbial Fuel Cells by Reinforcement Learning" Tapan, Niyazi Alper*; Gürbüz, Tuğba; Günay, M. Erdem	#73 "Environmental Impact Assessment of Gasoline and Liquid Hydrogen in Transportation" Abdurakhmanova, Assem*; Dincer, Ibrahim	#93 "Assessing The Impact of Land Use Changes on Land Surface Temperature Trends in Sanliurfa, Türkiye" Tacettin Atas*; Nizar Polat; Abdulkadir Memduhoğlu	#82 "Experimental and Numerical Investigation of Heat Pump Driven Humidification-Dehumidification (HDH-HP) Desalination System" Ghezzeziel, Abir*; Ben Ezzine, Nizar; Sghaier, Jalila
	#94 "AI-Driven Detection and Energy Production Forecasting of Solar Panels for Sustainable Energy Solutions" Şenol, Halil İbrahim*; Yiğit, Abdurrahman Yasin ; Ulukavak, Mustafa	#103 "Electrical Design of A Fuel Cell with Low Total Harmonic Distortion and Carbon Emission" Güçyetmez, Mehmet; Akkaya, Sitki; Uyar, Murat; Hayber, Şekip Esat*	#96 "Long-Term Glacier Monitoring on Southeastern Taurus Mountains: Implications of Climate Change" Tacettin Atas*; Nizar POLAT; Memduhoğlu, Abdulkadir	#87 "A Comprehensive Study of Machine Learning Optimization Models for Nitrate Removal By Electrocoagulation Process Using Green Energy" Yazici Karabulut, Benan*; Alay, Fatma Didem ; Adalar, Fatma
	#163 "The Role of Pore Former Type on The Performance of Anode Functional Layer in Microtubular Solid Oxide Fuel Cells" Timurkurtluk, Çiğdem; Önbilgin, Sezer; Yıldırım, Fuat; Germen, Gülşah*; Önbilgin, Semih; Timurkurtluk, Bora	#137 "The Impact of Bismuth-Doping on The Oxygen Mobility in BaZrO₃ Perovskite" Salt, Selin*; Kogma, Elvan B; Karaismailoğlu Elibol, Meltem	#189 "Potential Use of Machine Learning Techniques for The Estimation of Greenhouse Gas Emission" Süreyya Betül Rufaoğlu*; Bilgili, Ali Volkan; Kaplan, Fatma; Yürsa İnci	#102 "Comparative Performance Analysis of Nanoenhanced Solar Still for Freshwater Production. A Numerical Study" Abid, Muhammad*; Sivan, Vimal Dev; Gilani, Syed; Nauman, Malik Muhammad
	#169 "Enhanced Hydrogen Production from Sodium Borohydride Methanolysis Using Functionalized Graphene Oxide Catalysts" Demir Kivrak, Hilal*; Kivrak, Arif	#201 "Contribution of ZrFeO Nanoparticles Synthesized by Green Synthesis Method in Increasing The Cathode Performance of Pem Fuel Cells" Tarhan, Suna*; Ekinci, Arzu; Baytar, Orhan; Akdağ, Abdurrahman; Şahin, Ömer	#84 "Assessment of The Relationship Between Land Use and Bioclimatic Comfort Levels Based on Environmental Climate Parameters Based on Geographical Information System: Sanliurfa Province (Türkiye)" Rastgeldi Dogan, Tuba*; Karakus, Can Bülent	#109 "Solar-Powered Electrocoagulation Process for Denitrification from Water: Monte Carlo Optimization and Cost Analysis" Yazici Karabulut, Benan*; Alay, Fatma Didem ; Adalar, Fatma Zuhail
	#177 "Investigation of Influences of Blockages in The Single-Channel and Multi-Channel Parallel Serpentine Flow Fields of Pem Fuel Cells" Kermani, M. Jafar*; Ebrahimi, Farzaneh	#33 "Investigation of The Effect of Combustion of Nano Boron, Diesel and Biodiesel Fuels with Together Hydrogen in A Compression Ignition Engine on Exhaust Emissions and Engine Performance" Kül, Volkan Sabri*	#86 "Neighborhood Renovation to Achieve EU Cities Mission Goals" Ebru Alakavuk; Duygu Çınar Umdü*; Aleyna Koyuncu; Nilay Derya Baro	#179 "The Simulation of Solar-Powered Electrocoagulation Process Based on Iot for Textile Wastewater Treatment" Alay, Fatma Didem*; Yazici Karabulut, Benan; Çiğ, Harun; Adalar, Fatma Zuhail
		#28 "Developing and Assessing A Sustainable Trigereneration System for Power, Hydrogen, and Heating Generation" Yılmaz, Fatih*; Ozturk, Murat; Selbas, Resat		#65 "Sustainable Production Scheduling and Maintenance Planning with Integrated Approaches: A Bibliometric Analysis" Zenginoğlu, Ayça*; Kuvvetli, Yusuf
10:45	Tea Break			
	Session 25 (Urfa Ballroom 1)	Session 26 (Urfa Ballroom 2)	Session 27 (Halfeti Meeting Room 2)	Session 28 (Halfeti Meeting Room 3)
	Sustainability, Resilience, & Circular Economy Chair: Cemil Koyunoğlu	Environmental Impact of Energy Systems I Chair: Yildirim İsmail Tosun	Environmental Impact of Energy Systems II Chair: Mehmet Ziya Soğut	Energy Policy and Planning Chair: Hakan KARACİZMELİ
	Link for online presentation: Click Here (S1)	Link for online presentation: Click Here (S2)	Link for online presentation: Click Here (S3)	Link for online presentation: Click Here (S4)
11:00-12:30	#35 "Determination of Energy Efficiency Score of A Data Centre: Transition to Green Data Center" Yılmaz, Halil*; Yilmazoğlu, Mustafa Z	#11 "Pyrolysis Tar Gasification of Coal and Wood Waste Mix in Cycling Double Column Using Microwave for H ₂ " Tosun, Yildirim I.*; Chichek, Fetullah	#149 "Determination of Changes in Climate Parameters of Sanliurfa Organized Industrial Zone By Remote Sensing" Şenol, Halil İbrahim*; Ulukavak, Mustafa	#114 "Estimation of Agricultural Irrigation Electricity Consumption By Regression: Sanliurfa Example" Dayepoğlu, Kübra*; Karacizmeli, İzzettin Hakan
	#78 "Performance Analysis of a Solar-Assisted Ejector-Enhanced Auto-Cascade Heat Pump System Using R32/R1234yf for Cold Climates" Karacaylı, İbrahim; Altay, Lutfiye*; Hepbaslı, Arif	#48 "Green Chemistry Analysis of Microencapsulated Phase Change Materials Used for Thermal Energy Storage Applications" Emir, Sedat*; Paksoy, Halime	#144 "Assessment of Environmental Response of Cooling Process with Entropy Approach" Soğut, Mehmet Ziya*	#176 "Clustering of Climate Change across Countries: Analysis of Surface Temperature and CO₂ Emissions" Nalici, Mehmet Eren; Söylmez, İsmet*; Ünlü, Ramazan
	#105 "Parametric Study of Occupancy Schedules for Cooling of Residential Buildings" Güçlü, İker*; Gerçek Şen, Mümine	#58 "The Importance of Building Materials for Low Carbon Emission Rural Areas and Evaluation in Terms of Ecological Planning" Altiner, Figen*; Akgün, Berrin; Tülübaş Gökçü, Yeliz	#145 "Assessment of Control Management of Air Handling Units for The Transition of Decarbonization" Mutlu, Hamit; Soğut, Mehmet Ziya*	#124 "Examination of The Effect of Eyan Orientation on Energy Efficiency in Traditional Residential Architecture in Sanliurfa" Kuloglu Yuksel, Fatma Sebnem*; Melikoglu, Yahya; Akalp, Sevilay
	#132 "Feasibility Study of Designing A Zero Energy Building in Hot and Dry Climate" Karami, Maryam; Saedi, Amirhossein; Heidarnajad, Parisa; Genceli, Hadi*	#148 "Evaluation of Phase Change Material Based Photovoltaic Panel Cooling Studies" Jailawi, Roaya Mahmood*; Pusat, Şaban	#29 "Assessment of An Environmentally-Friendly Solar PVT-Based Combined System with A Transcritical CO₂ Cycle for Power, Hydrogen, and Cooling Production." Yılmaz, Fatih*; Ozturk, Murat; Selbas, Resat	#139 "Environmental Impact Assessment of Hydrogen Storage and Refueling Options" Karayel, Kubilay*; Dincer, Ibrahim
	#142 "Renewable Advanced Optimization Strategies for Bioreactor Design: Integrating CFD, Hybrid Heuristic Algorithms, and NAFI for Biofuel Production" Topçu, Doğa; Koyunoğlu, Cemil*; Güven, Aykut Fatih	#150 "Investigation of MoS₂-Based Transition Metal Electrocatalyst for Hydrogen Evolution Reaction" Çeliker, Emine Nida*; Karaismailoğlu Elibol, Meltem; Figen, Halit Eren		#218 "Assessing Individual Waste Generation Patterns and Management Strategies in Single-Occupant Residences" Mahsa Hasanir, Payam Zahedir*
12:30	Lunch			
	Session 29 (Urfa Ballroom 1)	Session 30 (Urfa Ballroom 2)	Session 31 (Halfeti Meeting Room 2)	Session 32 (Halfeti Meeting Room 3)
	Hydrogen Use in Energy Systems I Chair: Filiz Uğur Nigiz	Hydrogen Use in Energy Systems II Chair: Hadi Genceli	Hydrogen Use in Energy Systems III Chair: Medine Özkaya	Optimization, Process Monitoring & Control Chair: Kasim Mermerdas
	Link for online presentation: Click Here (S1)	Link for online presentation: Click Here (S2)	Link for online presentation: Click Here (S3)	Link for online presentation: Click Here (S4)
14:15-15:30	#39 "A Study on Nuclear-Based Trigereneration System with Cobalt-Chlorine Thermochemical Cycle" Asal, Sulemur*; Acir, Adem ; Dincer, Ibrahim	#30 "The Effect of Temperature Variation of Hydrogen on The Generation of Turbulence Kinetic Energy on Piezoelectric Materials" Arkun, Cansu; İpek, Fulya; Koprulu, Melih; Ayca, Sumeyya*	#18 "Addressing Food Security Challenges in China: A Comprehensive Review and Future Strategies" Du, Mingyuan*	#25 "A Sustainable Community Powered by Solar Energy in An Integrated Fashion: Case Study" Sharifishourabi, Moslem*; Dincer, Ibrahim; Mohany, Atef
	#70 "Carbon Dioxide Separation from Simulated Flue Gas Using a MOF incorporated Pebax® 2533 Membrane" Nizze, Filiz Uğur*	#59 "The Effect of Hydrogen Production Methods on Ammonia, Methanol and Dimethyl Ether Fuel Production Emissions" Ayca, Sumeyya*; Dincer, Ibrahim	#120 "Air Temperature Forecasting for Duzce Province with Machine Learning Algorithms" Erdogmus, Pakize *	#69 "A Life Cycle Evaluation of Biological Hydrogen Production from Poplar Biomass" Goren, Aysegul Yagmur*; Dincer, Ibrahim; Khalvati, Ali
	#155 "Evaluation of Hydrogen Production Performance with Reformer System Using Waste Heat of A Marine Diesel Engine" Kaya, Yusuf Erdem; Yılmaz, Semih*; Bayramoğlu, Kubilay	#104 "Hydrogen Energy Forecast within The Scope of World Renewable Energy Consumption for Future GHG and Economic Calculations: A Case Study in Türkiye" Güçyetmez, Mehmet; Akkaya, Sitki; Uyar, Murat; Hayber, Sekip	#175 "Investigation of Hydrogen Production Potential of A Fusion Reactor with Vanadium Chloride Thermochemical Cycle" Özkaya, Medine*; Acir, Adem	#83 "A Heat Recovery Study on A Thermochemical Cycle for Hydrogen Production" Uygun Batgi, Sibel*; Dincer, Ibrahim
	#194 "Dynamic Analyses of Hydrogen Production Using Solar Energy Integrated with Energy Storage Systems" Haddad, Masoud; Javani, Nader*	#116 "Experimental and Numerical Investigation on Diffusion Absorption Refrigeration System Using Low GWP Refrigerant R600, C₃H₂₀ and Hydrogen" Garma, Raoudha; Ben Ezzine, Nizar*; Ghezzeziel, Abir; Bellagi, Ahmed	#184 "Effective and Environmentally Friendly Co Nanocatalyst on Sodium Borhydrite Hydrolysis in Different Solvents" Onat, Erhan*; Ekinci, Selma; Şahin, Ömer; İzgi, M. Sait	#125 "Innovative Solution to Global Warming: The Synthesis of Fuel Bioadditive "Ethyl Levulinat" Using HKUST-1 Loaded Catalytic Composite Membrane By Pervaporation Catalytic Membrane Reactor" Unlu, Derya*
	#216 "Hydrogen/Air Proton Exchange Membrane Fuel Cell System: Steady-State Modeling And Assessment" Sezer*, Nurettin; Bayhan, Sertac	#158 "An investigation of Ni-NiZnFe₂O₄ Coating for 3D Printed Electrodes Towards Alkaline Water Electrolysis" Dincer, Ibrahim Eren*; Agelin-Chaab, Martin	#202 "Green Synthesis of A Novel and Efficient CO Catalyst and Its Catalytic Effect on Ammonium Boronhydride Hydrolysis" İzgi, M. Sait; Ekinci, Selma; Şahin, Ömer; onat, Erhan*	#147 "The Looming Itch: Climate Change and The Rise of Scabies" Karabörk, Şeyda*; Doğdu, Gamze
15:30	Closing Ceremony & Announcement			
Time	Day 4 - Sunday 19th May 2024			
08:30-17:00	Historical Göbeklitepe (Entrance fee belongs to the participants) and Harran tour 08:30-12:00 Harran Tour 12:00-13:30 Free Time 13:45-17:00 Göbeklitepe Tour			