



ICADET'24 SCIENTIFIC PROGRAMME
25.09.2024 – Wednesday OPENING
(Dede Korkut Campus, Gokhan Budak Conference Hall)

09:00 – 10:00 Registration

10:00 – 11:00

Opening
Speeches

Stand in Silence and the National Anthem (Saygı Duruşu ve İstiklal Marşı)
Prof. Dr. Musa ARTAR – Chair of the Conference
Prof. Dr. Metin UÇURUM – Dean of Engineering Faculty
Prof. Dr. Mutlu TÜRKMEN – Rector of Bayburt University
Mete MEMİŞ – Mayor of Bayburt
Mustafa ELDİVAN – Governor of Bayburt

11:00 – 11:15 Coffee/Tea Break

11:15 – 12:30

Opening
Session

Keynote Speaker – Prof. Dr. Atilla AKKOYUNLU- Boğaziçi Uni.
“Sürdürülebilir Akıllı Şehirlerin Önemi (The Importance of Sustainable Smart Cities)”
Keynote Speaker – Prof. Dr. Zekai ŞEN- Istanbul Medipol Uni.
“Mühendislikte Geometri, Mantık ve Matematik (Geometry, Logic and Mathematics in Engineering)”(Online)

12:45 – 13:20 Lunch (Staff Dining Hall-Dede Korkut Campus)
On-site Session – 1 (Dede Korkut Campus)

13:30-14:45 PRESENTATIONS

ENVIROMENTAL (AMFI)

Head of Session: Assoc. Prof. Dr. Erdal ÖNER

21	13:30-13:45	Examination of the Impact of Waste Natural Stones on the Environment and Human Health, and Their Usability in the Construction Sector <i>CIMEN, Arzu*; CIMEN, Selçuk</i>
82	13:45-14:00	Radioactivity Levels in Baby Powders <i>DİZMAN, Serdar*; CAMGÖZ, Kubra</i>
149	14:00-14:15	Effect of pH on Reactive Red 45 Removal by Ozonation Process <i>CENGİZ, İbrahim*</i>
245	14:15-14:30	Investigation of the Usability of ZnO/MXene Nanocomposites as Photocatalysts for Photocatalytic Degradation of Organic Pollutants <i>KARCIOĞLU KARAKAŞ, Zeynep*; DÖNMEZ, Zeliha</i>
265	14:30-14:45	Determination of Concentrations of Urban Atmospheric Fine Mode Particles <i>PALOLUOĞLU, Cihan*; PAMUK, İbrahim; ORHAN, Muhammed Cevdet</i>

FOOD (D101)

Head of Session: Asst. Prof. Dr. Sebahat ÖZTEKİN

70	13:30-13:45	Antioxidant Activity, Total Phenolic Content, Anthocyanin, and Color Stability of Black Chokeberry Extracts <i>OZDEMİR-ORHAN, Necla; YILMAZ, Merve Silanur*</i>
138	13:45-14:00	Odor, Taste, and General Acceptability of Greek Yogurt Enriched with Honey, Ginger Extract and Rice Bran <i>MOHAMMEDZADEH, Fatemeh; GHANNADIASL, Fatemeh*; FATHI-ACHACHLOUEI, Bahram</i>
171	14:00-14:15	Effect of Microwave Pretreatment on the Chemical Compositions and Antioxidant Activity of the Hydroalcoholic Extract of Quince Leaves <i>FATHI-ACHACHLOUEI, Bahram*; TOLOUEI, Simin; SHADDEL, Rezvan</i>
172	14:15-14:30	Production of Functional Brotchen Bread Enriched with Pomegranate Wastes (Peel and Bone Marrow) Powder <i>FATHI-ACHACHLOUEI, Bahram*; RAZAVIAN, Seyed Reza; AARABI, Aazam</i>
84	14:30-14:45	Optimization of Ultrasonic-Assisted Extraction of Phytochemical Compounds from Dried Persimmon Slices <i>KAMILOĞLU, Aybike*; KUTLU KANTAR, Naciye; ELBİR ABCA, Tuğba; YILMAZ, Özlem</i>



CIVIL-A (Conference Hall)

Head of Session: Asst. Prof. Dr. Mustafa ERGÜN

7	13:30-13:45	Assessment of Meteorological Drought Analysis in the Aras River Basin, Türkiye <i>HIRCA, Tuğçe*</i> ; <i>ERYILMAZ TÜRKKAN, Gökçen</i>
13	13:45-14:00	Investigation of the Usability of Bayburt Stone Waste as Aggregate in Lightweight Concrete Production <i>ÇİMEN, Selçuk*</i> ; <i>CAN, Ömer</i>
31	14:00-14:15	Buckling Analysis of Elastic Beams with Functionally Graded Porosity <i>TURAN, Muhittin*</i> ; <i>HACIOĞLU, Mahmut İlder</i> ; <i>KARABULUT, Abdullah</i>
60	14:15-14:30	Investigation of Calcined Seashell Powder as an Additive in Asphalt Pavements <i>İSKENDER, Erol</i> ; <i>ASLAN, Mustafa Taha*</i> ; <i>SOLAK, Halime</i> ; <i>AKSOY, Atakan</i> ; <i>ÖKSÜZER, Nurullah</i> ; <i>İSKENDER, Cansu</i>

CIVIL-B (D102)

Head of Session: Prof. Dr. Tayfun DEDE

23	13:30-13:45	Optimal Design of Isolated Steel Space Truss System with SapRao Algorithm <i>YURDAKUL, Muhammet*</i>
69	13:45-14:00	Pull-out Test and Estimation of the Compressive Strength of Structural Concrete On-site <i>MAKNI, Moncef*</i> ; <i>DAOUD, Atef</i> ; <i>LORRAIN, Michel</i>
198	14:00-14:15	Advancements in Machine Learning for the Design of Concrete Structures <i>GHANNADIASL, Amin*</i> ; <i>REZAEI DOLAGH, Hassan</i>
218	14:15-14:30	Damage Assessment of an Inclined Minaret with ANN <i>DEMİRTAŞ, Betül*</i> ; <i>TÜRKER, Temel</i> ; <i>DEDE, Tayfun</i> ; <i>YANIK, Yusuf</i>

CHEMICAL/MECHANICAL (D205)

Head of Session: Asst. Prof. Dr. Abdullah Tahir ŞENSOY

160	13:30-13:45	Development of Flexible Polymer Electrolytes and Suitable Deriving Activated Carbon Mixed Hazelnut Shell Electrodes for Super Capacitors <i>BOUKHOUIDEM, K *</i> ; <i>MANFO, T. A.</i> ; <i>SAHIN, M. E.</i>
177	13:45-14:00	Graphene from Biomass: A Review on Fabrication Techniques and Applications <i>BOHLI, Thouraya*</i> ; <i>ZAIER, Ibtihel</i>
316	14:00-14:15	Investigating the Fluidity of A356 Alloy Depending on the Section Type and the Area Under Varying Casting Temperatures <i>SENSOY, Abdullah T. *</i> ; <i>COLAK, Murat</i> ; <i>DIŞPINAR, Derya</i>
287	14:15-14:30	Mathematical Modeling of Tensile Behavior in Artificial Blood Vessels: From Closed Loop to Strip Form <i>YILMAZ, Galip*</i>

MECHANICAL (D203)

Head of Session: Assoc. Prof. Dr. Mehmet UYAR

52	13:30-13:45	Investigation of the Effect of Vanadium Addition on Fluidity in Casting of Etial177 Aluminium Alloys <i>ÇEKER, Merve</i> ; <i>ÇOLAK, Murat</i> ; <i>DURMUŞ, Melek*</i>
62	13:45-14:00	Effect of Optimal Placement of Piezoelectric Materials on Voltage Responses in Smart Structure <i>UYAR, Mehmet*</i>
206	14:00-14:15	Calculation of Maximum Accelerations to the Head and Internal Organs of a Cyclist <i>KULA, Muhammed Emin*</i> ; <i>USANMAZ, Bilal</i> ; <i>GÜNDOĞDU, Ömer</i>
104	14:15-14:30	Thermal Performance Analysis of Solar Parabolic Trough Collectors: A CFD Modelling Study <i>CUCE, Erdem</i> ; <i>MERT CUCE, Pinar</i> ; <i>GUCLU, Tamer*</i>
260	14:30-14:45	Thermal Performance Evaluation of Parabolic Trough Collector: An Experimental Study <i>CUCE, Erdem</i> ; <i>MERT CUCE, Pinar*</i> ; <i>GUCLU, Tamer</i>



ELECTRICAL and ELECTRONICS/MECHANICAL (D206)

Head of Session: Asst. Prof. Dr. Mustafa Alptekin ENGİN

33	13:30-13:45	Diamond Price Classification via Machine Learning ENGİN, M. Alptekin*; AKÇAY, Latif
142	13:45-14:00	Comparison of Structural, Optical, Morphological Properties of Annealed and Unannealed α -Fe ₂ O ₃ :Ag Nanomaterial SAĞLAM, Hilal Kübra*; SARITAŞ, Sevda
217	14:00-14:15	Efficient Implementation of the PRESENT Cipher on TTA Processors AKÇAY, Latif*; ENGİN, Mustafa Alptekin
341	14:15-14:30	A Timely Scheduled EV Charging Experience, a Prediction Model Using Machine Learning Regression Algorithms QUTTOUM, Ahmad Nahar*; MU'AMAR, Rawand
236	14:30-14:45	Use of Machine Learning Algorithms at Internal Combustion Engines Studies ÖNER, İlhan Volkan*; ÖNER, Gülşah

14:45 – 15:00 Coffee/Tea Break

Wednesday Presentations

On-site Session – 2 (Dede Korkut Campus)

15:00-16:00 PRESENTATIONS

AGRICULTURAL (AMFI)

Head of Session: Assoc. Prof. Dr. Özlem ÇAKIR

139	15:00-15:15	Alleviating Water Stress in Tomato Seedlings Through Combined Surfactant and Biostimulant Treatments YILDIRIM, Ertan*; EKINCI, Melek; TURAN, Metin; ORS, Selda;
140	15:15-15:30	Improving Pepper Seedling Resilience to Water Stress with Exogenous Chrysin Application EKINCI, Melek*; YILDIRIM, Ertan; ORS, Selda; TURAN, Metin
257	15:30-15:45	Evaluation of the Current Usage Status of Hobby Gardens from the Perspective of Users: The Case of Erzurum Province ESRİNGÜ, Aslıhan*; ESMERAY, Birgül
229	15:45-16:00	Determination of Some Biochemical Properties of Black Tea Supplemented with Wild Sour Apple (<i>Malus sylvestris</i> Miller) ERASLAN, Yusuf İslam; ÇAKIR, Özlem*

FOOD (D101)

Head of Session: Assoc. Prof. Dr. Aybike KAMILOĞLU

102	15:00-15:15	Comparison of Antioxidant Activity and Total Phenolic Content of the Fruit and Seeds of Isabella Grape (<i>Vitis labrusca</i> L.) AYGÜN ERTÜRK, Filiz*; ZENGİN, Zeynep
121	15:15-15:30	Production and Characterization of Unique Polysaccharides by Glucansucrase E81 Based Enzyme Engineering İSPIRLİ, Hümeysra*; DERTLİ, Enes
79	15:30-15:45	Hawthorn Powder Supplementation Improves the Functionalities of Cookies ALKAY, Zuhal*; KARAYEL, Şenay; TUNÇİL, Yunus E.
289	15:45-16:00	Development of Novel Antimicrobials from Lactic Acid Bacteria as Clean Label Alternatives DERE, Sevda*; SAGDIC, Osman; DERTLİ, Enes

CIVIL-A(Conference Hall)

Head of Session: Asst. Prof. Dr. Duygu TEKİN

176	15:00-15:15	National and International Organizations Related to Real Estate Valuation ALĞAN, Kadir*; SESLİ, Faik Ahmet
178	15:15-15:30	Production of Structural and Non-Structural Lightweight Concrete from Textile Dyes and Bayburt Tuff Wastes BAYRAK, Ömer*; ERDEM, Emin
319	15:30-15:45	Effect of Different Cutwater Modelling Approaches on Seismic Behaviour of Masonry Bridges TAYFUR, Bilal*
202	15:45-16:00	Research on Usage Potential of Mineral Additives in Cement Industry to Reduce Equivalent CO ₂ Emissions TEKİN, Duygu*; GÖKÇE, H. Süleyman



CIVIL-B(D102)

Head of Session: Asst. Prof. Dr. Yavuz Selim HATİPOĞLU

209	15:00-15:15	Investigation of Compressive Strength of Limestone Calcined Clay Cement (LC ³) Mortars at Early Ages <i>DAŞDEMİR, Esra*; OLTULU, Meral</i>
231	15:15-15:30	Effect of Material Gradation on Contact Mechanics in Orthotropic and Isotropic Layered Structures <i>ÖNER, Erdal*; ARTAR, Pınar Tuğçe</i>
268	15:30-15:45	Buckling Analysis of Carbon Nanotube Reinforcement Composite Beams by Using Higher Order Shear Deformation Theory <i>KOÇ, Serhan*; ADIYAMAN, Gökhan</i>
284	15:45-16:00	Analysis of the Kahramanmaraş Earthquake Through Incomplete Buildings: The Adiyaman Case <i>HATİPOĞLU, Yavuz Selim*; GÖKÇE, Hacı Süleyman</i>

MECHANICAL/CHEMICAL (D203)

Head of Session: Asst. Prof. Dr. Erman Kadir ÖZTEKİN

101	15:00-15:15	Investigation of Effects on Flow Around Courier Motorcycle with a Small Scale Vertical Axis Turbine Added for Power Generation <i>ÖZTEKİN, Erman Kadir*</i>
187	15:15-15:30	Effect of Ti Additives on Microstructure and Strength Properties of Al-12Si Alloy <i>HEKİMOĞLU, Ali Paşa*; HACIOSMANOĞLU, Murat</i>
250	15:30-15:45	Effect of Cold-Spraying as Post-Processing Surface Treatment on Ti6Al4V Additive Manufactured Parts <i>KOLCU, Dogukan; MERİÇ, Dursun; AKSA, Hüseyin Can; YANAR, Harun; VAROL, Temel; GEDİKLİ, Hasan; PÜRÇEK, Gençağa; ECE, Remzi E.; CORA, Ömer Necati*</i>
97	15:45-16:00	Inkjet Printing Technique for the Preparation of PEM Fuel Cell Electrodes <i>DALMIŞ, Samet; ARAL, Serdar; AYKUT, Yasemin, BAYRAKÇEKEN, Ayşe*</i>

16:00- 16:15 Coffee/Tea Break

Wednesday Presentations

On-site Session – 3 (Dede Korkut Campus)

16:15-17:45 PRESENTATIONS

FOOD & AGRICULTURAL(D101)

Head of Session: Assoc. Prof. Dr. Ayla ARSLANER

309	16:15-16:30	Super Fruit Aronia: Evaluation in Terms of Human Health, Nutrition and Food Additive Potential <i>İŞİK, Elif Büşra; YILDIZ, Beysun; ÇİFTÇİ, Dilan; AKKOYUN, Melike; TÜRKOĞLU, Zehra; ARSLANER, Ayla*</i>
141	16:30-16:45	Production of Branched Polysaccharides with Different Structural Properties by the Branching Sucrase DS37 Enzyme <i>DERTLİ, Enes*; İSPİRLİ, Hümevra</i>
239	16:45-17:00	Characterization of Beta Sitosterol-Stearic Acid Oleogels Prepared at Different Ratios <i>ELBİR ABCA, Tuğba*; GENÇCELEP, Hüseyin</i>
273	17:00-17:15	Utilization of Origanum Onite L. Essential Oil-loaded Nanemulsions Against Citrus Green Mould <i>ÖZTEKİN, Sebahat*</i>
211	17:15-17:30	Comparison of Physicochemical Properties of Rock and Flower Honey Produced in Bayburt Province and Evaluation of Their Compliance with Turkish Food Codex <i>YILMAZ, Özlem*; ALTUNTAŞ, Ümit, TÜFEKÇİ, Murat Can</i>
272	17:30-17:45	Evaluation of the Antioxidant Activity and Total Phenolic Content of Cerasus angustifolia Naturally Grown in Bayburt Province <i>ANLAR, Pınar; ÇINAR TOPÇU, Kübra*; ÇAKIR, Özlem ; SEFALİ , Abdurrahman</i>



GEOLOGICAL & MINING & CHEMICAL(Conference Hall)

Head of Session: Asst. Prof. Dr. Murat CAMUZCUOĞLU

251	16:15-16:30	An Overview of the Usability of Spinel Ceramics Synthesized by Microwave-Assisted Combustion Technique as Photocatalysts for The Removal of the Organic Pollutants <i>KARAKAŞ, Ibrahim Hakkı*; KARCIOĞLU KARAKAŞ, Zeynep</i>
12	16:30-16:45	Effect of Feed Particle Size in the Disc Mill Grinding <i>UÇURUM, Metin*</i>
201	16:45-17:00	GIS Based Soil Erosion Susceptibility Analysis of Rize Province (NE Türkiye) <i>GÜVEN, Onur*; YILDIRIM, Ümit</i>
261	17:00-17:15	Effect of Minerals Used in Epoxy (Resin) Applications on Coloring <i>CAMUZCUOĞLU, Murat*</i>

MECHANICAL (D203)

Head of Session: Asst. Prof. Dr. Recep ÇATAR

278	16:30-16:45	Thermal Characteristics of Composites with Increased Glass Fiber Layers and a Single Carbon Fiber Layer Integration for Self-Heating Purpose <i>USLU, Emin*; YILMAZ, Galip</i>
301	16:45-17:00	Kinematic Analysis of Stirling Engine with Ross-Yoke Mechanism <i>KÖKSAL, Hüseyin*; CEVİZ, Mehmet Akif</i>
325	17:00-17:15	A Review on the Use of Auxetic Materials in Engineering <i>BOZAT, Yunus Emre; ÇATAR, Recep*</i>
208	17:15-17:30	Electrochemical Impedance Spectroscopy Analysis of Time-Dependent Change of Biodegradable CP-Magnesium in Bone Cement <i>ERDOĞAN, Omer*; KAVSOĞLU, Yesim Secer; TÜZEMEN, Şükran Merve; ATİK, Burak; KOVACI, Halim; UZUN, Yakup</i>



26.09.2024

Thursday Presentations

Online Session –1

09:00-10:15 PRESENTATIONS

[ENVIROMENTAL-I* Join the Session](#)

Head of Session: Asst. Prof. Dr. Galip YILMAZ

36	09:00-09:15	Building Strategies for Implementation of Building Integrated Photovoltaics in Architecture MANGAROSKA, Viktorija*
45	09:15-09:30	Investigations of Structural, Optical and Electrical Properties of $Ag_{0.1}Zn_{0.9}Al_2O_{3.95}$ Nanoparticles for Photocatalytic and Microelectronic Applications AMGHAR, Mohamed*
55	09:30-09:45	Combustion Synthesis and Characterization of Samarium Activated Barium Strontium Orthosilicate Nanophosphors with Potential Implications in Energy Efficient Optoelectronic and Display Optimization PATHANIA, Kamni*
94	09:45-10:00	Characterization of Sewage Sludge for Enhanced Energy Valorization through Thermal Processes CHALHE, Zakaria ; TANGARFA, Mariam*; CHERKI, Aboubakr ; BENQLILOU , Chouaib
95	10:00-10:15	Enhancing Solar Thermal Desalination Systems Using Various Nanofluids MARNI SANDID, Abdelfatah*; BOUZITOUNA, Wahiba Nesrine; MOUSSA BOUDJEMA, Fethi ; ZEHOUBANI, Zahra Assala

[FOOD-I* Join the Session](#)

Head of Session: Assoc. Prof. Dr. Naciye KUTLU KANTAR

42	09:00-09:15	Investigation of Some Physical Properties and Antioxidant Activities of Different Formulated Freeze Dried Service Tree (<i>Sorbus domestica</i> L.) Microcapsules ALİFAKI, Yaşar Özlem*
64	09:15-09:30	Assessing the Physicochemical and Phytochemical Properties of Various Moroccan-Grown Apple Varieties KARA, Mohammed*; HAUDI, Nouha; EL AGY, Abdelbari; AMINE, Assouguem; SLAILI, Hamid; JAMILA Bahhou
98	09:30-09:45	Fourier Transform Near Infrared (FT-NIR) Spectroscopy as A Tool for Predicting Simultaneous Sugar Contents and Composition of Anatolian Honey by Multivariate Analysis ALTUNTAŞ, Ümit*; YILMAZ, Özlem; MENEVŞEOĞLU, Ahmed
112	09:45-10:00	Variations in Physicochemical Properties of Three Types of Honey from Bosnia and Herzegovina MİLİJAŠ, Maja*
25	10:00-10:15	Wild apricot: History, Biodiversity, Human Health ERCİSLİ, Sezai*; İLHAN, Gülçe

[CIVIL-I* Join the Session](#)

Head of Session: Asst. Prof. Dr. Ruşen SINIR

126	09:00-09:15	Modeling and Analysis of Reinforced Concrete Buildings Using Different Types of Seismic Isolator Units According to TBDY 2018 ÖZTÜRK, Şevval*; ADANUR, Süleyman; YAYLACI, Murat
34	09:15-09:30	Modelling of the Total Number of Road Traffic Accidents in Turkey by Using Optimization-Based Linear and Non-Linear Mathematical Forms CAKICI, Ziya*; YILDIRIM, Mehmet Sinan
43	09:30-09:45	Focusing on Improved Harmony Search Algorithm for Optimum Frame Systems YUCEL, Melda*
93	09:45-10:00	Classification, Potential Environmental Impact and Assessment of Medical Waste Found in Health Facility Debris AKBAY, Büşra; AKBAY ARAMA, Zülal*
59	10:00-10:15	Comparison of Harmony Search Algorithm, Flower Pollination Algorithm and Archimedes Optimization Algorithms in Cost Optimization of Reinforced Concrete Beam AYDIN, Yaren; BEKDAŞ, Gebrail*; NİGDELİ, Sinan Melih



CHEMICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Sebahat ÖZTEKİN

8	09:00-09:15	Active Food Packaging: Metal – Organic Framework (MOF) Applications AB GHANÍ, Mohd Hafizuddin Bin*; ISMAIL, Ismayadi; NAWANG, Rosnah; RAZALI, Siti Zulaika; MAT NONG, Mohd Ali; CHE ABDULLAH, Che Azurahamanim ; OTHMAN, Siti Hajar; LIEW, Josephine Ying Chyi; RASHID, Umer; RAJENDRAN ROYAN, Nishata Royan; CHEN, Ruey Shan; NGAMCHARUSSRIVÍCHAI, Chawalit
40	09:15-09:30	Organo-Mineral Elastic Sorbents MOLODINASHVILI, Zaza*; GAMKRELIDZE, Nino*; KOPALEISHVILI, Maka; GABUNIA, Tinatin; SHATAKISHVILI, Tamar; TCHIKAIKIDZE, Marina
41	09:30-09:45	Porous Material for Purification of Water And Soil MOLODINASHVILI, Zaza*; GAMKRELIDZE, Nino*; KOPALEISHVILI, Maka; GABUNIA, Tinatin; SHATAKISHVILI, Tamar; TCHIKAIKIDZE, Marina
46	09:45-10:00	Water Quality Modelling by Using Qual2K at Setiu River, Terengganu CHE HARUN, Mohammad Hakim*; RASIT, Nazaitulshila; SULAİMAN, Mohd Sofiyah; HAMZAH, Sofiah; MOHD SAHFRI, Izzah Fhaiqah
49	10:00-10:15	Hydrodynamics Simulation of Multiphase Flow in T-junction Microchannel SHAHRİL, Farah Syaquirah ; MAJNIS, Mohd Fadhil*

MECHANICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Erman Kadir ÖZTEKİN

22	09:00-09:15	Potential of Phase Change Materials for Enhancement of Energy Efficiency in Buildings TEGGAR, Mohamed*
35	09:15-09:30	Dimensional Analysis and Optimization of Composite Patch Repair in Center-Cracked Plates with Genetic Algorithm KACEMI, Nadjib*; YAHIAOUI, Reda
47	09:30-09:45	Improving Material Removal Power in the Face Milling Process Using HSAGA EL ABDELAOUI, Fatima Zohra*; JABRI, Abdelouahhab
179	09:45-10:00	Investigation of Mechanical Properties of Glass Fiber Filled Polyamide 66 Composites EBEDİ, Hüseyin; YETGİN, Salih Hakan; KÖSE, Sinan*
135	10:00-10:15	Comprehensive Modeling of Passive Dynamic Walking in Quadrupedal Robots with Knead Legs GHANADIAZAR, Roozbeh; HAGHJOO, Mohammad Reza*; TAGHIZADEH, Mostafa

ELECTRICAL and ELECTRONICS-I* Join the Session

Head of Session: Asst. Prof. Dr. Mustafa Alptekin ENGİN

10	09:00-09:15	Bank Locker Security System With Enhanced Multi Factor Authentication BARBADEKAR, Ashwini; BHAGWAN, Vedant M*; THAPLOO, Aryan
14	09:15-09:30	Review OF Malaria Diagnosis Techniques SODANGÍ, Lubabatu Sada*
27	09:30-09:45	Machine Learning-Based Decision Support System for Heart Failure Diagnosis: Real Data Analysis and Performance Evaluation UZUN ARSLAN, Rukiye*; SENYER YAPICI, İrem
38	09:45-10:00	Modern and Traditional Circuit Components to Produce Frequency Signals ALIZOTI, Alion*
39	10:00-10:15	Brain Tumor Detection In Magnetic Resonance Imaging Using Deep Transfer Learning DAU, Aminu*



INDUSTRIAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Latif AKÇAY

75	09:00-09:15	Optimization and Validation of the Cleaning Process of A Pharmaceutical Mixer within the Framework of Good Contamination Management <i>LAHRACH, Yasmine*</i> ; <i>BENQLILOU, Chouaib</i> ; <i>BOUKLOUZE, Abdelaziz</i>
90	09:15-09:30	Safety Evaluation in Human-Robot Collaboration Through Risk Assessment Matrix and Observational Measurements <i>DJAPAN, Marko*</i> ; <i>CAIAZZO, Carlo</i> ; <i>SAVKOVIC, Marija</i> ; <i>NIKOLIC, Nastasija</i> ; <i>VUKICEVIC, Arso</i> ; <i>MACUZIC, Ivan</i>
100	09:30-09:45	Preparation and Characterization of starch nanocrystal via acid hydrolysis <i>BELKHIR, Nacera Leila*</i> ; <i>BEZZEKHAMI, Mohammed Amin</i> ; <i>BELALIA, Mahmoud</i> ; <i>HARRANE, Amine</i>
111	09:45-10:00	An Investigation on the Utilization of Industrial Revolution 4.0 (IR4.0) in Risk Management of Occupational Safety and Health in Malaysian Manufacturing Industries <i>SAIMAN, Ameran*</i> ; <i>MOHD ABBAS, Norliana</i> ; <i>MOHD SAMAN, Alias</i>
118	10:00-10:15	The Influence of Alternative Fuel on the Calorific Value of Fuel <i>MUJKANOVIĆ, Lamija*</i> ; <i>BUŠATLIĆ, Nadira</i> ; <i>HARAČIĆ, Nedžad</i> ; <i>MERDIĆ, Nevzet</i>

10:15 – 10:30 Coffee/Tea Break

26.09.2024

Thursday Presentations

Online Session –2

10:30-12:00 PRESENTATIONS

ENVIROMENTAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Galip YILMAZ

99	10:30-10:45	Enhancing CaO ₂ Fenton-like Process by Fe(III)-Picolinic Acid Complexation for Metobromuron Degradation <i>SELLAM, Badreddine*</i> ; <i>SERAGHNI, Nassira</i> ; <i>SEHILI, Tahar</i>
106	10:45-11:00	Impact of Irrigation on Soil and Groundwater Quality <i>ALDREES, Ali</i> ; <i>DAN'AZUMI, Salisu*</i> ; <i>ABDULLAHI, Yaminu O.</i>
113	11:00-11:15	Impact of Climate Change on Forest Woody Plants <i>LOMIDZE, Nino T*</i> ; <i>GAMKRELIDZE, Nino M.</i> ; <i>DGEBUADZE, Ketii</i>
136	11:15-11:30	Solar Irradiance and Temperature Effects on Biochar Yield Produced from Solar Pyrolysis of Empty Fruit Bunch (EFB) <i>ABDUL HAMED, Alia Syafiqah*</i> ; <i>YAHYA, Muhammad Syarifuddin</i> ; <i>ABDUL LATIFF, Nurul Adilah</i> ; <i>NICHOLAS, Schmichel Siam</i> ; <i>AHMAD, Nur Eliayana Alisa</i> ; <i>MUNJAZAT, Nur Farizan</i>
146	11:30-11:45	Synthesis and Evaluation of NiO and ZnO Thin Films for Environmental Application <i>LAHOUEL, Khemissi*</i> ; <i>GASMI, Meriem</i>

FOOD-I* Join the Session

Head of Session: Assoc. Prof. Dr. Naciye KUTLU KANTAR

KS	10:30-11:00	Keynote Speaker: Prof. Dr. Dijana BLAZHEKOVÍKJ-DÍMOVSKA "Fish Parasites in the One Health Concept"
125	11:00-11:15	Jackfruit (<i>Artocarpus Heterophyllus</i>) Peel Fibers as Viable Sustainable Source for Cellulose Extraction <i>BRAHMA, Rangina*</i> ; <i>RAY, Subhajit</i>
167	11:15-11:30	Physical and Chemical Properties of Chlorogenic Acid Extracted from <i>Coffea Liberica</i> Leaves <i>IBRAHİM, Ummi Kalthum*</i> ; <i>MOHD ROHANI, Nur Misha Batrisyia</i> ; <i>MUH, Suzihaque</i> ; <i>MOHD ZAKI, Nurul Asyikin</i> ; <i>ABD HASHIB, Syafiza</i> ; <i>ALWI, Habsah</i> ; <i>ABD KARIM, Siti Fatma</i>
186	11:30-11:45	Spray-Dry as Probiotic Immobilization Technique <i>KRUNIC, Tanja*</i>
191	11:45-12:00	Optimizing Freezer Thermal Performance with Integrated Phase Change Materials (PCMs)" <i>ABIR, Abboud*</i> ; <i>TRIKI, Zakaria</i> ; <i>ABDELMOUNAIM, Abdesselem</i> ; <i>DJEFFAL, Rachid</i>



CIVIL-I* Join the Session

Head of Session: Asst. Prof. Dr. Ruşen SINIR

71	10:30-10:45	Simulation-Driven Analysis of Urban Intersection's Efficiency: A Case Study in Konya ALMUSAWI, Ali*; QADRI, Syed Shah Sultan Mohiuddin; ABDULRAHMAN, Hassan Shuaibu; ALBDAIRI, Mustafa
77	10:45-11:00	Levenberg-Marquardt Computational Approach to Developing Sustainable Concrete Mixes with Steel Slag Partial Replacement MOHAMMED, Nayeemuddin, ; KHASAWNEH, Mohammad Ali*; MEWADA, Hiren; SULTANA, Tasneem ; KHASAWEH, Ahmad Ali
116	11:00-11:15	The Utilization of a New Synthesis Tall Oil-based Boron Additive at Low Temperatures YESILCICEK, Hacer*; BOZDEMİR, Merve Gülfer; ORUÇ, Şeref
165	11:15-11:30	Numerical Modeling of the Compressible Soil Response Reinforced by Rigid Inclusions Under Seismic Loading BENMERABET, Oussama*; BEGHILA, Rania; MESSIOUD, Salah
58	11:30-11:45	Assessment of Living Architecture: Breathing New Life into Health and Housing Solutions KHAN, Zeenat*; ALI, Majid
105	11:45-12:00	Tuned Mass Damper (TMD) Optimization by Using Archimedes Optimization Algorithm for Different Stroke Capacity Values AYDIN, Yaren; NİGDELİ, Sinan Melih; BEKDAŞ, Gebrail*

CHEMICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Sebahat ÖZTEKİN

KS	10:30-11:00	Keynote Speaker: Dr. Ismayadi ISMAİL "Innovative Synthesis of Graphenated Carbon Nanotubes (GCNT) for Enhanced Applications"
50	11:00-11:15	Formation of TiO ₂ /ZrO ₂ /Chitosan Photocatalyst Microbeads in Microfluidics CHIN, Nurazwani; MAJNIS, Mohd Fadhil*
61	11:15-11:30	An Integrated Approach to Process Transfer: Managing Quality Risk, Enhancing Economic Performance and Achieving Decarbonization FOTSING, Régis-Harold*; JERROUMI, Sarah; BENQLILOU, Chouaib
76	11:30-11:45	Implementation of a New SAP S/4 HANA Information System: Production Planning Module EL MENOUALI, Ouiame*; EL YADARI, Mourad
89	11:45-12:00	Validation of Cement Fineness Determination with RETSCH AS 200 JET Sieve Shaker AABASSI, Fatima Ez-zahra*; ISAAD, Jalal; FARAH, Abdellah

MECHANICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Erman Kadir ÖZTEKİN

KS	10:30-11:00	Keynote Speaker: Assoc. Prof. Dr. Sandipan ROY "Design and Development of Implant Materials for Better Osseointegratio"
235	11:00-11:15	Optimization of Fibre Orientation and Layer Thickness using Finite Element Simulation Data for the Carbon Fiber -Epoxy Composite Tibia Fracture Plate ROY, Drupad*; DAS, Manik Chandra; DHASON, Raja; ROY, Sandipan; DATTA, Shubhabrata
92	11:15-11:30	Simulation Basis for Omnidirectional Mobile Robot Path Planning Using ROS and Python: A Case Study with BUG2 Algorithm OMRANI, Alireza; DAVOUDI, Matin; HAGHJOO, Mohammad Reza*; TAGHIZADEH, Mostafa
107	11:30-11:45	Design, Simulation and Experimental Evaluation of Foot Step Power Generation System MUGHERI, Shoukat Ali*;ADNAN, Ahmad Waleed; MUJTABA, Muhammad; ALI, AYAZ; JAVED, Ahmad Atif; ASGHAR Muhammad Ammar; ASLAM, Touqeer
114	11:45-12:00	Evaluation of Mechanical Strength in Polymer Composites Using Dual-Fiber Reinforcements SARFRAZ ALI, Muhammad*; SALEEM, Sadia; RAHMAN, Abdul; SHAFEE, Muhammad



ELECTRICAL and ELECTRONICS-I* Join the Session

Head of Session: Asst. Prof. Dr. Latif AKÇAY

51	10:30-10:45	Porous Carbon Foams Supported rGO-ppy/rGO for Asymmetric Supercapacitor Device <i>EL-YAQUB, Balarabe; WAHID, Mohd Haniff*; ZAINAL, Zulkarnain; ABDULLAH, Abdul Halim; GHANI, Wan Azlina Wan Ab Karim</i>
53	10:45-11:00	Optimization and Application of Genetic Algorithms in Artificial Intelligence Education Using MATLAB <i>IBRIŠIMOVIĆ, Irma*; ŠČEKIĆ, Julija; Damir BARJIĆ</i>
54	11:00-11:15	Autonomous Vehicle Trajectory Tracking: Using a Nonlinear Model Predictive Control (NMPC) and Orthogonal Collocation Method, Enhanced with Implicit Multiple Shooting Techniques <i>BELKEBIR, Hicham*; BELKEBIR, Taoufik</i>
65	11:15-11:30	Control Strategy MTPA DTC of IPMSM Motor Drives <i>AOUADJ, Norediene*; HARTANI, Kada; BOUZIANE, Yasmine</i>
66	11:30-11:45	DTC Approach of Three Level NPC Inverter PMSM Motor Powertrain Based on MRAS Observer for Electric Vehicles <i>AOUADJ, Norediene*; HARTANI, Kada; SOLTANI, Ayoub</i>
73	11:45-12:00	Exploring Nickel Oxide (NiO) Deposition on Recycled Paper: A Preliminary Characterization Study <i>MOHAMED MUSTAKIM, Nurul Syafiqah*; KAMARUZAMAN, Dayana; ABDULLAH, Mohd Hanapiah; MALEK, Mohd Firdaus; PARIMON, Norfarariyanti; AHMAD, Mohd Khairul; VASIMALAI, Nagamalai, MAMAT, Mohamad Hafiz</i>

INDUSTRIAL-I* Join the Session

Head of Session: Assoc. Prof. Dr. Didem GÜLERYÜZ ÖZDEN

120	10:30-10:45	Methods of Statistical Quality Control of Production Processes <i>ARTEMYEV, Viktor; MOKROVA, Natalia; HAJIYEV, Anar*</i>
123	10:45-11:00	Automation of the Technological Process of Oil Refining and Development of a Mathematical Model <i>AGAYEV, Farid*</i>
219	11:00-11:15	Assessment of Sustainability and Risk Pillars for Production Systems <i>ÖZDEMİR Akın*; ERDEM, Mehmet</i>
220	11:15-11:30	Evaluation of Industry 5.0 tools in sustainable logistics using a multi-decision attributing analysis <i>ERDEM, Mehmet; ÖZDEMİR, Akın*</i>
266	11:30-11:45	Automation and Optimization of Profile Manufacturing Process: Balancing Material Utilization and Production Time <i>DHIFALLAH, Bochra*; KHEMILI, Ahmed; OULED BEDHIEF, Asma; BRAHMI, Amira; GADDOUR, Ahmed</i>
267	11:45-12:00	Efficient Fabric Cutting for Customized Curtains: Minimizing Waste and Resource Use <i>KHEMILI, Ahmed*; DHIFALLAH, Bochra; BRAHMI, Amira; OULED BEDHIEF, Asma; GADDOUR, Ahmed</i>

AGRICULTURAL&FOOD-I* Join the Session

Head of Session: Assoc. Prof. Dr. ÖZLEM ÇAKIR

KS	10:30-11:00	Keynote Speaker: Prof. Dr. Sezai ERCİSLİ "Nano and Micro Pollutants Emerged by the Use of Plastic in Horticulture Plants Growing"
124	11:00-11:15	Recent Developments in the Value-Addition of Food Industry By-Products Towards Expansion of Functional Foods and Sustainable Utilization <i>BORUAH, Bhuyashi*; RAY, Dr. Subhajit</i>
83	11:15-11:30	Detection of Apple Snails at Different Water Depths and Turbidity Levels Using RGB Imaging Technology and Image Processing Techniques <i>ISMAIL, A.R.; NAWI, N.M.*; MANOR, Y.; MOKHTAR, A.S; MEHDİZADEH, S.A.</i>
130	11:30-11:45	Inhibition of Botrytis Cinerea Growth By Natural Compounds: An Eco-Friendly Strategy <i>KUKRIĆ, Teodora*; ŽDERO-PAVLOVIĆ, Ružica; POPOVIĆ, Boris</i>
318	11:45-12:00	Evaluation of Phragmites australis (PA) as Low-cost Alternative Substrate for the Cultivation of Edible Mushroom <i>YAMANISHI, Hiroyuki; YAMAUCHI, Masahito; MAT TAİB, Shazwin*; SAMAN, Norasikin</i>

LUNCH 12:00-13:00



26.09.2024

Thursday Presentations

Online Session –3

13:00-14:15 PRESENTATIONS

[ENVIROMENTAL-I* Join the Session](#)

Head of Session: Asst. Prof. Dr. Galip YILMAZ

147	13:00-13:15	Structural, Morphological and Optical Properties of Nickel Oxide Thin Film for Economic Impacts <i>LAHOUEL, Khemissi*</i> ; <i>GASMI, Meriem</i>
148	13:15-13:30	Predictive Analysis of Ocean Parameters in Al Hoceima Bay: Combined DWT-LSTM Approach <i>HRIDA, Abdelghafour*</i> ; <i>BOUAFIA, Mohammed</i> ; <i>TAHER, Morad</i> ; <i>EL FATHI Amine</i> ; <i>ETEBAAI, Issam</i>
152	13:30-13:45	Analyzing Landslide Susceptibility in The Bokoya Massif, Northern Morocco: A Geospatial Assessment with the Analytical Hierarchy Process Method <i>AIT OMAR, Mustapha*</i> ; <i>TAHER, Morad</i> ; <i>ETEBAAI, Issam</i>
169	13:45-14:00	Analysis of Air Quality in Trabzon <i>NIKSIC, Lejla*</i>
181	14:00-14:15	Enhancement of Cement-Based Stabilization/Solidification of Contaminated Bentonite with Calcium Hydroxide <i>OUHADI, Vahid Reza*</i> ; <i>YOUSEFI, Behnam</i>

[FOOD/INDUSTRIAL-N* Join the Session](#)

Head of Session: Asst. Prof. Dr. Özlem YILMAZ

224	13:00-13:15	The Role of Plants in Cheese Making: A Review on “Beyaz Peynir (White Cheese)” as a Model Product <i>SALIK, Mehmet Ali*</i> ; <i>ÇAKMAKÇI, Songül</i>
230	13:15-13:30	Antibacterial and Antioxidant Activity of Cardamom (Elettaria cardamomum) Essential Oil <i>GÜL, Latife Betül*</i> ; <i>TAHMAS KAHYAOĞLU, Deren</i>
258	13:30-13:45	The Microbiota in Old Age <i>DEMİRBAŞ, Fatma Nur*</i>
197	13:45-14:00	Effect of Different pH and Solvents on Solubility and Foaming Properties of Hemp Protein Isolate <i>YÜZER, Elvan</i> ; <i>KUTLU KANTAR, Naciye</i> ; <i>YÜZER, Mustafa Onur*</i>
285	14:00-14:15	The Importance of Workflow Diagram for Purchasing Processes in the Healthcare Sector <i>ALTUNTAŞ, Tuğçe*</i>
86	14:15-14:30	The Role of Renewable Energy Sources in Turkey's Targets "Net Zero Carbon Emission in 2050" <i>ERTANE BAŞ, Emine*</i> ; <i>EMEÇ, Şeyma</i> ; <i>YİĞİT, Vecihi</i>

[CIVIL-I* Join the Session](#)

Head of Session: Asst. Prof. Dr. Ruşen SINIR

127	13:00-13:15	Sustainable Fiber Reinforced Concrete: Coir and Date Palm Fiber in Concrete – A review <i>AL ABRI, Abdallah*</i> ; <i>SOHEL, Kazi M.A.</i>
150	13:15-13:30	Formulating a Comprehensive Sediment Management Plan (SMP) <i>SULAIMAN, Mohd Sofiyan*</i> ; <i>ABDUL RAZAD, Azwin Zailti</i> ; <i>YUSOP, Hanafi</i> ; <i>ISMAIL, Mohd Nadzari</i> ; <i>LIM, Foo Huat</i>
155	13:30-13:45	The analysis of Porous Functionally Graded Plates (FGP) utilizes Refined Order Shears Deformation Theory <i>SLIMANE, Merdaci, *</i> ; <i>ADDA, Hadj Mostefa</i> ; <i>ALI, Bouchafa</i> ; <i>YOUCEF, Beldjelili</i>
80	13:45-14:00	Stability Properties of Waste Engine oil Modified Asphalt Mixtures <i>AUGUSTINE, Atinse</i> ; <i>ABDULRAHMAN, Hassan Shuaibu*</i> ; <i>ALHAJI, Mohammed Mustafa</i>



CHEMICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Sebahat ÖZTEKİN

110	13:00-13:15	Physicochemical Properties of Palm Fatty Acid Distillates from Malaysian Refineries: A Pathway to Sustainable Lubricant Base Oil Production <i>NIK PAUZI, Nik Nurfatmah Pz Binti*</i> ; <i>MOHD JUNAIDI, Mohd Usman</i> ; <i>YUSOFF, Rozita</i> ; <i>PING, Bonnie Tay Yen</i>
63	13:15-13:30	Chemical Composition, Antioxidant and Antimicrobial Activities and In silico Evaluation of Gardenia jasminoides Essential Oil <i>KARA, Mohammed*</i> ; <i>HAOUDI, Nouha</i> ; <i>TAHIRI, Nour El houda</i> ; <i>RHEBBAR, Fatima Zahra</i> ; <i>EL AGY, Abdelbari</i> ; <i>EL-MERNISSI, Reda</i> ; <i>SLAILI, Hamid</i> , <i>BAHOU, Jamila</i>
128	13:30-13:45	Adsorption Process for Wastewater Treatment <i>AHMAD ZAINI, Muhammad Abbas*</i>
137	13:45-14:00	Enhancing Material Performance with Biochar-Infused Electrospun Polyacrylonitrile (PAN) Fibers <i>MAT NONG, mohd ali bin*</i> ; <i>MD YUSOF, Juraina</i> ; <i>AB GHANI, Mohd Hafizuddin bin</i> ; <i>SABIL, Suzila</i>

MECHANICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Erman Kadir ÖZTEKİN

67	13:00-13:15	Impact of Tensile Conditions on Composite Patch Repairs of Naval Structures <i>BOUSSAHRA, Sarra Mama nor el Houda*</i> ; <i>LIAMANI, Samira</i>
195	13:15-13:30	Performance Analysis and Feasibility Study of Thermoelectric Generators for Automotive Waste Heat Recovery <i>BORHANUDDIN, Muhammad Afif</i> ; <i>BHATHAL SINGH, Baljit Singh*</i> , <i>REMELI, Muhammad Fairuz</i>
192	13:30-13:45	Increasing Latent Heat Thermal Energy Storage By Change Of Tube Arrangement <i>BOUMAZA, Benharzallah</i> ; <i>LAOUER, Abdelghani</i> ; <i>TEGGAR, Mohamed*</i>
158	13:45-14:00	Effect of Hydroxyapatite Coating on Stress Distribution and Interfacial Strain in Dental Implants under Varying Cortical Bone Thickness: A Finite Element Analysis <i>MONDAL, Samit Kumar*</i> ; <i>DOMMETI, Vamsi Krishna</i> ; <i>MANDAL, Gurudas</i> ; <i>ROY, Sandipan</i>
164	14:00-14:15	3E (Energy-exergy-economic) Analyses of a CSP plant working on sCO ₂ Brayton cycle <i>BOUKELIA, Taqiy Eddine*</i> ; <i>M'HAMDIOUA, Wail</i> ; <i>ZIANE, Tamime</i>

ELECTRICAL and ELECTRONICS-I* Join the Session

Head of Session: Asst. Prof. Dr. Mustafa Alptekin ENGİN

78	13:00-13:15	A Distributed Node-to-Router Algorithm for 6G-Enabled Three-Dimensional Wireless Nano-Sensor Networks <i>GULEC, Omer*</i>
81	13:15-13:30	Advance Induction Motor Model with Fault Development for Undergraduate Electric Machinery Course <i>AFRIZAL, Nurafnida*</i> ; <i>TUAN MOHAMAD, Tuan Sharifah Nur Fatiha</i> ; <i>AWAL, Md Rabiul</i> , <i>DAUD, Muhammad Zalani</i>
115	13:30-13:45	Enhanced Hybrid Optimization Using PSO and Multi-Point Weight Algorithm for Global MPPT in PV Systems Under Partial Shading <i>MAQBOOL, Anis</i> , <i>SARFRAZ ALI, Muhammad*</i> ; <i>MUJAHID, Abdullah</i>
131	13:45-14:00	Development and Characterization of Kaolin-Eggshell Composite for Enhanced Energy Storage Applications <i>SALISU, Bashir *</i>
132	14:00-14:15	Bank Locker Security System With Enhanced Multi Factor Authentication <i>BARBADEKAR, Ashwini</i> ; <i>BHAGWAN, Vedant M*</i> ; <i>THAPLOO, Aryan</i>



INDUSTRIAL/ELECTRICAL and ELECTRONICS-I* Join the Session

Head of Session: Assoc. Prof. Dr. Didem GÜLERYÜZ ÖZDEN

314	13:00-13:15	Coronary Heart Disease Prediction: Hybrid Machine Learning-Based Approaches with Random Over Sampling <i>MORADI, Elahe*</i>
329	13:15-13:30	Deep Learning-based Marathon Athlete Bib Detection and Photo Segregation System <i>HABİB, Muhammad Waqas; BANO, Amna; YASIN, Awais*; NASEER; Noman; AMIN, Rooh ul; NASIR, Faig</i>
297	13:30-13:45	Appropriate Choice of Wastewater Treatment Technology, Using a Multicriteria Approach <i>BENAMAR, Maryame*; ABDERAFİ, Souad</i>
339	13:45-14:00	Comparative Analysis Of The New Generation Of Beamless Pump Jacks <i>AHMEDOV, Beyali; KHALILOV, Isa; HAJIYEV, Anar*</i>
305	14:00-14:15	New Control Strategy for Single-Inverter Bi-Machine System Used in Electric Vehicles <i>HARTANI,Kada; AOUADJ, Norediene*; TAIBI, Ahmed</i>

14:15 – 14:30 Coffee/Tea Break

26.09.2024

Thursday Presentations
Online Session –4

14:30-16:00 PRESENTATIONS

ENVIROMENTAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Sebahat ÖZTEKİN

233	14:30-14:45	Comparative Study of Aluminium and Iron-Based Coagulants For Leachate Landfill Treatment <i>HAMZAH, Sofiah*; RASIT, Nazaitulshila; CHE HARUN, Mohammad Hakim</i>
242	14:45-15:00	Ecological air purification of an indoor air using a HEPA filter as a window mesh <i>BEGOVIĆ, Zahida; DELIBAŠIĆ, Merjem*; ČELAREVIĆ, Amina; ĆOSIĆ, Belmina</i>
276	15:00-15:15	Air Quality Modeling of the Emissions from Brick Kilns <i>NAWAB, Adil*; GOKHALE, Sharad</i>
283	15:15-15:30	Study and Simulation of a Thermal Photovoltaic Hybrid (PVT) Sensor <i>ZAGHDOUDI, Mariem*; ANEMA, Ahlem; HAZAMI, Majdi</i>
295	15:30-15:45	Acoustic Characterization of Sisal Fiber-Reinforced Plasterboards for building sound insulation <i>ER-RRADI, Hafida*; IDCHABANI, Rachida; BOJJI, Chakib</i>
296	15:45-16:00	A promising Biopolymer for Immobilizing Biocatalysts Used in the Biodegradation of Pollutants in Water <i>LASSOUANE, Fatiha*</i>

CIVIL-I* Join the Session

Head of Session: Asst. Prof. Dr. Ruşen SINIR

331	14:30-14:45	LEED Implementation framework for development of Single-Family Homes in Saudi Arabia <i>SALAH, Ahmad*</i>
193	14:45-15:00	Assessing Urban Flood Vulnerability - Runoff Estimation and GIS-Based Analysis <i>HASSAN, Aadil, KHAN, Shabaan; BASHIR, Haad; AKRAM, Ijlal; AHMED, Talha*</i>
203	15:00-15:15	Importance of Finite Element Modeling Approach on the Bending Response of Continuous Beams <i>AL ROUSAN, Mohammad*; NOORI, Ahmad Reshad ; HADIDANE, Anfel Chaima</i>
18	15:15-15:30	Estimation of the Ground Motion Duration for Earthquakes in Turkey <i>AOUARI, Issam*; PALANCI, Mehmet; BENAHMED, Baizid; ROUABEH, Aicha</i>
253	15:30-15:45	Thermophysical Characterization of a New Composite Material Based on Clay and Ecological Additive <i>OUELD EL HAJ EL GHALI, Yasser*; CHERKI, Aboubakr; BENQLILOU, Chouaib; EL KOUIFATE, Mohamed Khalil</i>
262	15:45-16:00	Comparison between Airy's and Stokes' Wave Theories for Predicting Surface Elevation, Wave Kinematics and their Corresponding Wave Forces <i>SYED AHMAD, Sayyid Zainal Abidin*; ABU HUSAIN, Mohd Khairi; MOHD ZAKI, Noor Irza; MUKHLAS, Nurul Azizah; NAJAFIAN, Gholamhossein</i>



CHEMICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Erman Kadir ÖZTEKİN

144	14:30-14:45	Optimization of Almond Oil Extraction: A Central Composite Design Approach for Enhanced Yield <i>EL HALLABI, Meriem*</i> ; <i>ANNEMER, Saoussan</i> ; <i>EZ ZOUBİ, Yassine</i>
153	14:45-15:00	Intraspecific Variation in Yield and Chemical Composition of Almond Oils from Al-Hoceima Province, Morocco <i>EL HALLABI, Meriem*</i> ; <i>ANNEMER, Saoussan</i> ; <i>ZAROUAL, Hicham</i> ; <i>AKHAZZANE, Mohamed</i> ; <i>HASSANI ZERROUK, Mohamed</i> ; <i>FARAH, Abdellah</i> ; <i>EZ ZOUBİ, Yassine</i>
157	15:00-15:15	Fine-Tuning Polyol and Emulsifier Levels for enhanced stability and rheology of vegetable oil-based waterborne polyurethane dispersion <i>SAALAH, Sariah*</i> ; <i>CHUAH ABDULLAH, Luqman</i> ; <i>AUNG, Min Min</i> ; <i>SALLEH, Mek Zah</i> ; <i>AWANK BIAK, Dayang Radiah</i> ; <i>BASRI, Mahiran</i> ; <i>JUSOH, Emiliana Rose</i> ; <i>MAMAT, Suhaini</i>
161	15:15-15:30	High-Performance WO ₃ -MnO ₂ Composite Nanostructures on Silicon Nanowires for Advanced Supercapacitor Applications <i>BOUKHOUIDEM, K *</i> ; <i>SLIMANI, A.</i> ; <i>DERKAOUI, K.</i> ; <i>HADJERSI, T.</i>
180	15:30-15:45	Sustainable Polyurethane foam from Polyol Synthesised via Epoxidation and Ring Opening Reaction of Used Cooking Oil using Various Alcohol as Ring Opening Reagent <i>SUNDANG, Murni*</i> ; <i>SAALAH, Sariah</i> ; <i>KHAIRI, Nurin Amani</i>
337	15:45-16:00	An Investigation of the Thermoelectric Characteristics of SnO ₂ Thin-Film Produced by Spray Pneumatic <i>HOGGAS, Saida</i>

MECHANICAL-N* Join the Session

Head of Session: Dr. Hüseyin KÖKSAL

6	14:30-14:45	Evaluation of the Effect of Carbon Black Amount on the Mechanical Properties of Cyclo-Olefin-Copolymer (COC)/Carbon Black Composites <i>YILDIRIM, Enise Çiçek*</i> ; <i>USLU, Emin</i> ; <i>ÇOLAK, Murat</i> ; <i>YETGİN, Salih Hakan</i>
48	14:45-15:00	Experimental Assessment of the Effectiveness of Different Types of Nano Fuel Additives in Diesel Engine Operation <i>MUHAMED, Nesredin Bedewi</i> ; <i>ÇAKMAK, Abdülvahap*</i>
188	15:00-15:15	Performance Analysis of Wear-Corrosion Synergistic Effect for Coated 316L Stainless Steel via Electrospinning <i>BOZKURT, Yusuf Burak*</i>
119	15:15-15:30	Assessment of Some Technical Level Indicators of the Innovative Electromechanical Drives of Railroad Switches with Package Type "AN" Reducer <i>ABDULLAEV, Ayaz</i> ; <i>RASULOV, Goshgar*</i> ; <i>ADGEZALOVA, Sevda</i>
205	15:30-15:45	Numerical Analysis of Vibration Response of Aramid Fiber Reinforced Self-Healing Composites <i>ACAR, Volkan*</i>
204	15:45-16:00	Dynamic Analysis of Glass Fiber Reinforced Vascular Composites Under Thermal Management <i>AYDIN, Muhammet Raci*</i>

ELECTRICAL and ELECTRONICS-I* Join the Session

Head of Session: Asst. Prof. Dr. Latif AKÇAY

151	14:30-14:45	Internal Resistance Determination of Lithium Ion Battery Cell <i>RABHI, Abderrahmane El Djallil*</i> ; <i>KERROUCHE, Kamel Djamel Eddine</i>
163	14:45-15:00	Robust Finite-time Attitude Control of a Quadrotor Aircraft Exposed to Wind Disturbances <i>HASSANI, Hamid*</i> ; <i>EL HAJJAMI, Lhoussain</i> ; <i>MANSOURI, Anass</i> ; <i>AHAITOUF, Ali</i>
168	15:00-15:15	Bioelectronic Nose Using Bare Graphene and Carbon Nanotube with the Help of Olfactory Receptor (2AG1) <i>YAWALE, Deepika S*</i> ; <i>YAWALE, Shrikrishna</i> ; <i>YAWALE, Sangita</i> ; <i>YAWALE, Sanika</i>
200	15:15-15:30	Noise Removal on Marine Structures – Part II: Boundary Indistinction <i>JAMALUDDIN, Shahrizan*</i> ; <i>IMRAN, Md Mahadi Hasan</i>
246	15:30-15:45	Enhancing Tumor Segmentation with a Two-Stream Cascade U-Net: Innovations in Medical Imaging <i>EL MECHAL, Chaymae *</i> ; <i>EL AMRANI EL IDRISSE, Najiba</i> ; <i>HAMOUCHE, Ayoub</i>
170	15:45-16:00	A Comparative Review of Active Cell Balancing and Reconfigurable Battery Methods of Lithium-Ion Batteries for Electric Vehicles: Efficiency and Power Management Analysis <i>REDOUANI, Assia*</i> ; <i>EL IDRISSE, Najiba El Amrani</i>



16:00 – 16:15 Coffee/Tea Break

26.09.2024

Thursday Presentations

Online Session –5

16:15-17:45 PRESENTATIONS

[ENVIROMENTAL-I* Join the Session](#)

Head of Session: Asst. Prof. Dr. Sebahat ÖZTEKİN

KS	16:15-16:45	Keynote Speaker: Prof. Dr. Hakim SAİBİ 'Magnetotelluric investigation of a thermal field in Abu Dhabi, United Arab Emirates'
302	16:45-17:00	Achieving Water Quality Targets in Setiu River, Terengganu: An Assessment and Strategic Approach RASIT, Nazaitulshila*; HAMZAH, Sofiah; CHE HARUN, Mohammad HakimMohd SULAIMAN, Sofiyan; YEE, Goay Teoh Shu; AZIH, Muhammad Nazarul Azreel AB.; CHE HARUN, Muhammad Hakim, Nazaitulshila RASIT*; WAN ABDULLAH ABD RAHMAN, Wan Rafizah; SAMSUDDIN, Muhammad Amir; ZULKEFLI, Muhamad Ikmal; ABDUL AZIZ, Aiman Asyraf; MATHEW, Daria; OMAR, Chik Maslinda
310	17:00-17:15	The Effects of Different Filtration Media for Final Treatment of Leachate Landfill FONG, Sean T. H.*; CHE HARUN, Mohammad Hakim; HAMZAH, Sofiah
311	17:15-17:30	Combination of AOPs and Microalgae for the Efficient Treatment of Recalcitrant Pollutants in Wastewater: An Overview SAKHI, Tayeb*
317	17:30-17:45	Adsorption Of Rhodamine B From Aqueous Solutions Using Natural And Thermally Activated Bentonite HAKKAR, Sabiha*; BOUMAZA, Abdecharif; HOGGAS, Saida; GASMI Meriem; LAHOUEL Khemissi

[CIVIL-I* Join the Session](#)

Head of Session: Assoc. Prof. Dr. Fatih YILMAZ

KS	16:15-16:45	Keynote Speaker: Prof.Dr. Moacir KRİPKA "Optimization as a Tool for Sustainable Strucrural Design"
223	16:45-17:00	Numerically and Experimentally Whole-scale Investigations of a Minaret AYMELEK, Abdullah; YANIK, Yusuf*; DEMİRTAŞ, BETÜL; TÜRKER, Temel
189	17:00-17:15	Optimizing Mesh Size for Static Response Analysis of Vault Structures via Finite Element Method SUGÜN, Ebrar*; NOORI, Ahmad Reshad ; YILDIRIM, Semih Göksel
335	17:15-17:30	Intelligent Transport System Development at The UNESCO World Heritage Site for Low Carbon City of Malacca MD ALI, Mohamad Faisal; MAT TAİB, Shazwin; SAMAN, Norasikin*

[CHEMICAL-I* Join the Session](#)

Head of Session: Asst. Prof. Dr. Ruşen SINİR

199	16:15-16:30	Microalgae for Sustainable Infrastructure: Chrysothila carterae in Biocement Production AL-MARDEAI, Saleha*; AL-ZUHAIIR, Sulaiman
212	16:30-16:45	The Effect of Depleted Oil Bleaching Earth Addition in Vegetable Waste Composting RAJIN, Mariani*; YASER Abu Zahrim; AZIZAN Mohamad Afiq; SULAIMAN, Norhafiza
213	16:45-17:00	Potential of Carbon Microspheres as Capsule of Aluminum Sulfate Catalyst ZULKEFLI, Nur Azyan*; AZIZAN, Muhammad Ashman Hakimi; SAHAID, Muhammad Nur Faez; SYED JAAFAR, Sharifah Nabihah
214	17:00-17:15	Optimising Sol-Gel Emulsion Systems for the Formation of Regenerated Cellulose Microspheres MOHD NOOR, Nurul Nasuha; NORIZAN Balqis Az-Zahraa, SYED JAAFAR, Sharifah Nabihah*
221	17:15-17:30	A Novel Approach for the Synthesis of Carbonate Beta-Cyclodextrin Nanosponges Based on Choline Chloride and ZnCl₂ under Microwave Irradiation EZ-ZOUBi, Amine*; FARAH, Abdellah
304	17:30-17:45	Agro-industrial Waste: A Cost-effective and Eco-friendly Substrate for Xylitol Production VYAS, Ashaka; BHATTACHARYA, Sourish*



MECHANICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Erman Kadir ÖZTEKİN

207	16:15-16:30	Experimental Investigation of the Electrode Placement on the Paper-Based Direct Hydrogen Peroxide Fuel Cell <i>ÇELİK, Muhammet*</i>
226	16:30-16:45	Dynamic Modeling and Simulation of an Educational Desktop Robot Arm for Writing Applications Using Simscape <i>SALEHIPOUR, Behnaz; GHANADIAZAR, Roozbeh; HAGHJOO, Mohammad Reza*; TAGHIZADEH, Mostafa</i>
88	16:45-17:00	Technique Assessment of Residential Photovoltaic Water Pumping Systems in Algeria <i>REMLAOUI, Ahmed*; NEHARI, Driss</i>
248	17:00-17:15	Surface Plasmon Resonance and Optical Enhancement Field Properties of Gold Nanoparticles in the Proximity a Graphene Structure <i>FARKOUCH, Elmahdi*; AKOUİBAAA, Abdelilah; EL ASSYRY, Abdeslam</i>
269	17:15-17:30	Enhancing the Solar Chimney Power Plant Efficiency by Modifying the Absorber Surface Wall <i>ATIA, Aissa*; BOUABDALLAH, Said; TEGGAR, Mohamed; BENCHATTI, Toufik</i>
254	17:30-17:45	Numerical Investigation on Vortex Induced Vibration Using Openfoam Software <i>POR, Yang Woei; SHAHARUDDIN, Nik Mohd Ridzuan*</i>

ELECTRICAL and ELECTRONICS-I* Join the Session

Head of Session: Asst. Prof. Dr. Mustafa Alptekin ENGİN

270	16:15-16:30	Self-Consistency Study on the Magnetic Resonance Green's Functions Implementation in the Integral Equation Formalism for Electromagnetic Fields' Evaluation at Higher Magnetic Fields <i>AJANOVIC, Amer*; TOMI-TRICOT, Raphael; HAJNAL, Joseph V; MALIK, Shaihan J</i>
275	16:30-16:45	An Example Study in Using Low-Order Modelling for Analysing and Predicting Peak Specific Absorption Rate Obtained via Magnetic Resonance Integral Equations to Examine Patient Safety <i>AJANOVIC, Amer*; TOMI, TRICOT, Raphael; HAJNAL, Joseph V; MALIK, Shaihan J</i>
286	16:45-17:00	Enhanced State of Charge Estimation in Li-Ion Batteries Using Extended Kalman Filter <i>HAMOUCHE, Ayoub*; JAMIL, Abdelmajid</i>
288	17:00-17:15	Creation of a Logic Diagram for Optimization of the Portfolio of KESH Operating Drini River Cascade <i>KOVAÇI, Sandër*; GEGA, Silvana</i>
294	17:15-17:30	A Comprehensive Review of Studies Related to DPI <i>ALİBAYLI, Orkhan*</i>
308	17:30-17:45	A New Method Using Fuzzy Logic Control for Reducing Power Ripple in PWM Rectifiers <i>HARTANI, Kada; AOUADJ, Norediene*; CHIKOUCHE, T. Mohammed</i>

27.09.2024

**Friday Presentations
Online Session –6**

09:00-10:15 PRESENTATIONS

ENVIROMENTAL-I* Join the Session

Head of Session: Assoc. Prof. Dr. Hakan Alper KAMILOĞLU

185	09:00-09:15	Extracting Cellulose from Rosa canina Hydro-distillation Wastes: A Sustainable Approach <i>BHIRI, Fatma*; ABIDI, Samira; BOUALLEGUE, Amir; BENSIDHOM, Gmar; ELLOUZ CHAABOUNI, Semia; BEN HASSEN TRABELSI, Aïda</i>
324	09:15-09:30	Ecological Air Purification of Indoor Air Using a HEPA Filter as a Window Mesh <i>BEGOVIĆ, Zahida; DELIBAŠIĆ, Merjem*; ČELAREVIĆ, Amina; ČOSIĆ, Belmina</i>
326	09:30-09:45	Anaerobic Digestion of Sewage Sludge : Optimizing Biogas Production <i>BAUZNADA, Maya Ouissm*; KHALFAOUI, Amel; DERBAL, Kerroum; BENSEGUENI, Chaima; AMROUCI, Zahra</i>
332	09:45-10:00	Optimizing Biogas Production from Agri-Food Industry Waste Through pH Control <i>BENSEGUENI, Chaima*; KHEIREDDINE, Bani; DERBAL, Karroum; BAUZNADA, Maya Ouissm; AMROUCI, Zahra</i>
299	10:00-10:15	Optimizing Reverse Osmosis Process in a Raw Water Treatment Plant Using a Multi-Objective Approach with NSGA-III Genetic Algorithm <i>EL HAFID, Wafae*; ABDERAFI, Souad</i>



CIVIL-N* Join the Session

Head of Session: Dr. Murat KARADENİZ

109	09:00-09:15	Effect of Calcined White Bayburt Stone and Yellow Bayburt Stone Waste on Soil Stabilisation GÜL, Gülseren*; YILMAZ, Fatih
238	09:15-09:30	A New Configuration for Modeling Triple Friction Pendulum Isolators In SAP2000 TAYMUŞ, Refik Burak*; ÇARBAS, Serdar
166	09:30-09:45	Investigation of Mechanical Performance of Geopolymer Concrete Exposed to Various Chemical Effects After Freeze-thaw Cycles KARAGÖL, Fatma*; YAZICI ÜNĞAN, Nisa; POLAT, Rıza
30	09:45-10:00	Effect of Waste Animal Fat with Boric Acid on the Physical and Rheological Properties of Asphalt Binder ÖZDEMİR, Ahmet Münir*; YILMAZ, Bahadır; SANCAK, Kemal
96	10:00-10:15	Project Monitoring Based on View of All Project Partners at Digital Project Management Platforms: A Bibliometric Analysis İNAC, Hakan*; SALTİK, Ege Cem

CHEMICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Sebahat ÖZTEKİN

255	09:00-09:15	Advancements and Challenges in Solid-State Hydrogen Storage: A Review YAHYA, Muhammad Syarifuddin*; ABDUL HAMED, Alia Syafiqah; MUNAJAT, Nur Farizan; AWAL, Md Rabiul; MOHD YUSOFF, Mohd Zaki
263	09:15-09:30	The Study of Preparation Methods and Properties of Poly-ferric Sulphate as Superior Coagulant for Aquaculture Wastewater Treatment MOHAMAD, Nurul Aqilah *; CHE HARUN, Mohammad Hakim; ALI, Asmadi; HAMZAH, Sofiah
274	09:30-09:45	Economic Analysis and Optimisation of Organic Rankine Cycle in Marine Diesel Engine Using Biodiesel as Working Fluid MAT NAWI, Zalina*; KAMARUDIN, Siti Kartom; SHEIKH ABDULLAH, Siti Rozaimah
279	09:45-10:00	Antibacterial Activity of Multifunctional Alginate-Based Composite OSMOKROVIC, Andrea*; VUNDUK, Jovana; JANCIC, Ivan; MILENKOVIC, Marina; OBRADOVIC, Bojana
280	10:00-10:15	Fighting Wound Infections: Innovative Activated Charcoal-Based Biocomposite with Immobilized Probiotics OSMOKROVIĆ, Andrea*; PEROVIC, Vladimir; LAZIC, Vesna; DJUNKIC, Milos; KRUNIC, Tanja

MECHANICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Erman Kadir ÖZTEKİN

KS	09:00-09:30	Keynote Speaker: Prof. Dr. Ravipudi VENKATA RAO "Metaphor-free Metaheuristics and Their Applications"
277	09:30-09:45	Numerical Investigation of Loss Mechanisms in Rectangular Elbows NAJAFI, Amin*; MESBAH, Majid
282	09:45-10:00	Numerical Analysis and Optimization of Magnet Elements Used in Natural Gas Magnetic Filters DOWLATABADI, Nima N*; MESBAH, Majid; SAMADIAN, Masoud
196	10:00-10:15	Optimization of Rotational Speed and Feed Rate for Minimum Drilling Temperature of Aluminum 6061 ALI AKHBAR, Mohd Faizal*; DAINURE, Muhammad Fawwaz; HASSAN, Taher Sherif Fathi Mohamed
292	10:15-10:30	Solar Dryer for Medicinal Plants: Energy Modeling and Analysis Using Computational Fluid Dynamics and Experiments. AMOUIRI, Raouf*; BELHAMRI, Azeddine

ELECTRICAL and ELECTRONICS-N* Join the Session

Head of Session: Asst. Prof. Dr. Latif AKÇAY

28	09:00-09:15	Inappropriate Content Detection in Video Images ADAR, Nurettin Gökhan; ÖZDEN, Mustafa*
29	09:15-09:30	Performance Evaluation of Using Continuous Wavelet Transform in Detecting Ceramic Surface Defects Imaged with Hybrid Optical Imaging System DEMİRCAN, Duygu*; USTABAŞ KAYA, Gülhan; UZUN ARSLAN, Rukiye
32	09:30-09:45	Identification of Haploid and Diploid Maize Seeds with Leaky ReLU-ResNet ÜNAL, Yavuz*; BOLAT, Muzaffer
37	09:45-10:00	Determination of the Best Coverage Map Area using Image Processing Technique ERBAS, Uğur*; OZDEN, Mustafa; TABAKCIOGLU, Mehmet Baris



10:15 – 10:30 Coffee/Tea Break

27.09.2024

**Friday Presentations
Online Session –7**

10:30-12:00 PRESENTATIONS

[CHEMICAL-I* Join the Session](#)

Head of Session: Assoc. Prof. Dr. Fatih YILMAZ

293	10:30-10:45	Docetaxel-Loaded Polymer-Coated Iron Oxide Nanoparticles Intended For Prostate Cancer Treatment <i>SOOMRO, Romesa*; CHE ABDULLAH Che Azurahaman</i>
298	10:45-11:00	Characterization of Commercial Powdered Activated Carbon and Its Application on a Cationic Dye <i>OUALI, Asmaa*; ATTOUTI Salima</i>
300	11:00-11:15	Pharmaceutical Process Transfer: Multivariate Analysis of the Product Quality Review and Assessment of the Environmental Impact of the Drying Operation <i>LARE, Sulikoia*; BENQLILOU, Chouaib; BOUKLOUZE, Abdelaziz</i>
307	11:15-11:30	Design of An Industrial Electrochemical Reactor for Wastewater Treatment <i>SAILA, Abdelkader*</i>
313	11:30-11:45	Enhancing CO ₂ Capture Efficiency Using Bovine Carbonic Anhydrase with Potassium Hydroxide and High-Salinity Reject Brine: A Modified Solvay Process Approach <i>MOURAD, Aya A-H*; MOHAMMAD, Ameera F.</i>
72	11:45-12:00	Advanced Separation Techniques and Reactor Technologies in the Treatment of Pharmaceutical Wastewater <i>SABI, Adil*; CHAIB, Nada; ZAHIR, Hiba; JERROUMI, Sarah; BENQLILOU, Chouaib</i>

[MECHANICAL/CHEMICAL-I* Join the Session](#)

Head of Session: Asst. Prof. Dr. Erman Kadir ÖZTEKİN

323	10:30-10:45	Analysis and Performance Evaluation of Entropy Generation of Turbulent Convective Heat Transfer to Nanofluids in Microchannel <i>SNOUSSI, Lotfi*; KORDA, Viswanatha Sharma; CHARGUI, Ridha; OUERFELLI, Nouredine</i>
327	10:45-11:00	Investigate the Mechanical Strength of a Hybrid Sandwich Composite Using FEA <i>SV, Sutharsan*; S, Kalaiyarsan; RAO V, Raghavendra; DOMMETI, Vamsi Krishna; ROY, Sandipan</i>
328	11:00-11:15	Revolutionizing Waste Management: IoT-Enabled Smart Systems for Automated Household Separation <i>MAHMUD RIYADH, Farahana Nabila; OTHMAN, Nurnida Elmira Binti*; AB LATIF, Najibah; SWARNO, Husna Aini</i>
333	11:15-11:30	Numerical Investigation of Pulsation Effects on the Flow and Heat Transfer of Pulsed Turbulent Plane Jet <i>KHALDI, Nawel; BOURNOT, Hervé; MHIRI, Hatem</i>
303	11:30-11:45	Influence of Connector Forces on the Expansion Configuration of a Hexagonal Modular Floating Structure <i>AZLAN, Nur Hanani Ahmad*; SHAHARUDDIN, Nik Mohd Ridzuan; ALI, Arifah</i>
184	11:45-12:00	An Eco-Friendly Processes for β -Carotene Extraction from a Green Microalgae <i>GHODHBANE, Abir*; BOHLI, Thouraya; OUEDERNI, Abdelmottaleb</i>

[ELECTRICAL and ELECTRONICS-N* Join the Session](#)

Head of Session: Asst. Prof. Dr. Mustafa Alptekin ENGİN

91	10:30-10:45	Circular Ring Resonator Based Metamaterial Absorber for Defense Industry Application Areas <i>KURT, Merve*; ÖZTÜRK, Gökhan</i>
122	10:45-11:00	Analysis of DC-DC Power Regulators for Switching Power Supplies <i>GAFAROV, Gadir*</i>
154	11:00-11:15	Effect of Low and High Frequency Positive Pulse Charging Currents on Aging and Capacity Fades in Lithium-Ion Batteries <i>YILMAZ, Mehmet*</i>
57	11:15-11:30	Almond Variety Classification Using Deep Learning Ensemble Method <i>ÜNAL, Yavuz*</i>
156	11:30-11:45	Comparison of MPPT Performance of GWO and FPA Methods for PV Systems <i>ÇORAPSIZ, Muhammed Reşit*</i>
232	11:45-12:00	Metasurface Based Filter for X-Band Applications <i>BULUT, Mustafa*; ÖZTÜRK, Gökhan</i>



FOOD/CHEMICAL-I* Join the Session

Head of Session: Asst. Prof. Dr. Sebahat ÖZTEKİN

228	10:30-10:45	Convective Drying of Food Products by Air Dehumidification Using a Desiccant Wheel <i>CHRMKHI, Saber*; KOOLI, Sami</i>
334	10:45-11:00	Cotton Seed Value Addition - An Overview on Nutritional Aspects <i>BHAVA NISHEVIDHA, P*</i>
216	11:00-11:15	The Chemical Properties and the Colour Stability of Caesalpinia Sappan <i>IBRAHIM, Ummi Kalthum*; ABDUL KHANI, Nur Farah Tasha; MOHD FAIRUZ AZLI, Elysha; MUH, Suzihaque; MOHD ZAKI, Nurul Asyikin; ABD HASHIB, Syafiza; ALWI, Habsah; ABD KARIM, Siti Fatma</i>
74	11:15-11:30	Advancing Drug Manufacturing: Fluid Bed Dryer Simulation, Economic and Environmental Impact <i>AFERIAT, Najwa*; BENQLILOU, Chouaib; JERROUMI, Sarah; CHALHE, Zakaria</i>
143	11:30-11:45	Studying the Structural and Photocatalytic Properties of NiO Thin Film <i>GASMI, Meriem*; LAHOUEL, Khemissi</i>
227	11:45-12:00	Preservation of Vitamin C and Physicochemical Attributes of Apple Juice Through Spray-Drying with Maltodextrin <i>WAN MOHD RUSHDAN, Wan Mohd Ridhuan; MOHD AKHIR, Ammar*; ROSLI, Nor Rosalina</i>

MECHANICAL/ELECTRICAL and ELECTRONICS-N* Join the Session

Head of Session: Asst. Prof. Dr. Erdal İĞMAN

291	10:30-10:45	The Effect of Varying OCP Times on Tribocorrosion Behavior of Naturally Passivated Ti6Al4V Alloy in Salt Water <i>KAVASOĞLU, Yeşim Seçer*; ERDOĞAN, Ömer; ATİK, Burak; TÜZEMEN, Şükran Merve; KOVACI, Halim; UZUN, Yakup</i>
271	10:45-11:00	Impact of Power Piston Diameter on Performance in Stirling Engine Design <i>AKKURT, Mahmut*; KÖKSAL, Hüseyin; CEVİZ, Mehmet Akif</i>
56	11:00-11:15	Electromagnetic Interference Shielding Effectiveness of Carbon Fiber-Reinforced Polymer Composites with Iron Powder Additives <i>TEPE, Emre; EKEN, Taha Yasin; KAYKILARLI, Cantekin; KÜCÜKELYAS, Burak; ERBAS, Ugur*; TABAKCIOGLU, Mehmet Baris</i>
162	11:15-11:30	Simple Design of Metasurface Polarization Converter for V – Band Applications <i>TUTAR, Fatih*; ÖZTÜRK, Gökhan</i>
210	11:30-11:45	A Study on Tailoring the Hydrophilicity Capacity of CP-MG the Correlation of Bio-corrosion Character and Surface Energy <i>ATİK, Burak*; TÜZEMEN, Şükran Merve; ERDOĞAN, Ömer; KAVASOĞLU, SECER, Yesim; BOZKURT, Yusuf Burak; ÇELİK, Ayhan</i>
247	11:45-12:00	Improving the Bio-Tribocorrosion Performance of Beta-Type Ti Alloy Using Electrophoretic Coating Method <i>TÜZEMEN, Şükran Merve*; ATİK, Burak; KAVASOĞLU, Yesim Secer; ERDOĞAN, Ömer; BOZKURT, Yusuf Burak; ÇELİK, Ayhan</i>

***N: NATIONAL**

***I: INTERNATIONAL**