

Time	Location: Fırat University Atatürk Cultural Center
08:30-09:30	Conference Registration
09:30-10:30	Welcome and Introduction
10:30-11:30	Keynote Speaker Prof. Reda ALHAJJ Department of Computer Science at the University of Calgary, Canada
11:30-11:50	Conference Photo Coffee Break
12:00-13:00	Lunch (Fırat University Social Center)

Time	Location: Fırat University Congress Center
13:00-14:30	I. Parallel Session for Oral Presentations and I. Session for Poster Presentations
14:30-14:50	Coffee Break
14:50-16:20	II. Parallel Session for Oral Presentations and II. Session for Poster Presentations
16:20-16:40	Coffee Break
16:40-18:10	III. Parallel Session for Oral Presentations and III. Session for Poster Presentations
18:10-22:00	Hazar Lake Trip and Symposium Dinner at Mavi Göl Restaurant

I. PARALLEL SESSION				
<i>(Location: Firat University Congress Center)</i>				
GEOMATIC ENGINEERING				
Mimar Sinan Hall				
Chairman: Assoc. Prof. Erkan KÖSE				
Time	13:00-13:15	Paper ID	337	Deformation Measurements and Analysis with Robust Methods: A Case Study, Deriner Dam Berkant KONAKOĞLU, Ertan GÖKALP
	13:15-13:30		341	Multy Variable Grey Method for Multy Point Deformation Analysis Levent TAŞÇI, Erkan KÖSE
	13:30-13:45		344	Integration of Thematic Information to UAV-Based Point Clouds for Ground Filtering Volkan YILMAZ, Çiğdem ŞERİFOĞLU YILMAZ, Oğuz GÜNGÖR
	13:45-14:00		366	Make Maps with Inexpensive Drones Levent TAŞÇI
	14:00-14:15		389	Ground Filtering of a UAV-based Point cloud with the Cloth Simulation Filtering Algorithm Çiğdem ŞERİFOĞLU YILMAZ, Volkan YILMAZ, Oğuz GÜNGÖR
CHEMICAL ENGINEERING				
Yusuf Has Hacıp Hall				
Chairman: Prof. Cevdet AKOSMAN				
Time	13:00-13:15	Paper ID	34	The Studies of Corrosion Prevention for Molten Salt Phase Change Material Günel AGHABAYLI
	13:15-13:30		140	Modeling of Solid-Liquid Extraction of Total Phenolics From Capsicum Annum L. Bilgesu ŞAHİN, Sibel YİĞİTARSLAN
	13:30-13:45		141	Sensitive Non-Enzymatic Glucose Sensor Based on Bimetallic Superstructures Hilal Çelik KAZICI, Fırat SALMAN, Müge YAYLA, Hilal DEMİR KIVRAK
	13:45-14:00		194	Synthesis and Characterization of Zeolite ZSM-5 and Its Derivatives Vildan ÖZKAN, Zeki AYDIN, Abdullah ÖZKAN, Şana SUNGUR
	14:00-14:15		66	Thermal and Mechanical Properties of Cement -EPS- Marble Powder Composites Ayşe BİÇER, Filiz KAR
MECHANICAL ENGINEERING				
İbn-i Sina Hall				
Chairman: Prof. Ahmet SARI				
Time	13:00-13:15	Paper ID	20	Detailed FGM Modelling Using Dummy Thermal Loads Using ANSYS APDL Ahmed HASSAN, İbrahim KELEŞ
	13:15-13:30		549	A Numerical Study of Heat Transfer and Fluid Flow in a Wavy Duct with Rectangular Blocks Mounted Upper Wall Gülten GÜLDEMİR, İhsan DAĞTEKİN, Mehmet DURANAY
	13:30-13:45		31	Thermal Energy Storage Performance of Gypsum Based Composite Phase Change Material for Thermoregulation of Building Envelopes Alper BİÇER, Ahmet SARI, Ali KARAIPEKLİ
	13:45-14:00		32	Preparation, Morphology and Thermal Energy Storage Characteristic of Polystyrene/ (Capric-Stearic Acid) Micro/Nano Capsules Ahmet SARI, Alper BİÇER, Cemil ALKAN
	14:00-14:15		63	Effect of Constant Magnetic Field to The Hydrogen Evolution Reactions in Acidic Medium Mehmet Fatih KAYA, Nesrin KAYATAŞ DEMİR
	14:15-14:30		464	Thermo-mechanical analysis of a welded joint by using finite element methodology Okan ÇELİK, Gizem AYAS, Nevin ÇELİK, Mete Onur KAMAN

GEOLOGICAL ENGINEERING			
Kaşgarlı Mahmud Hall			
Chairman: Prof. Ercan AKSOY			
Time	13:00-13:15	Paper ID	88 Provenance Investigation From Sedimentary Petrography of The Upper Cretaceous Deep Marine Low Density Turbidites of Tanjero Formation Around Arbat Tavan MUHAMMAD HAMA SALIH, Hasan ÇELİK
	13:15-13:30		77 Microfacies Analysis of Kocaçay Formation (Middle Eocene) Around Şefaati Township of Yozgat, Central Turkey Emrah ERDEM, Hasan ÇELİK, Sibel KAYĞILI, Niyazi AVŞAR
	13:30-13:45		100 Sedimentary Facies Analysis and Depositional Model of the Upper Cretaceous Turbidites to The Northwest of Sulaimani, Northern Iraq Hemin MUHAMMAD HAMA SALIH, Hasan ÇELİK
	13:45-14:00		390 Slip Rates Contradiction Between Geologic and Geodetic Data Along The North Anatolian Fault Mehmet KÖKÜM, Kaj M. JHONSON
	14:00-14:15		96 Lithofacies and Architectural Elements of the Deep Marine Calciclastic Low Density Turbidites of Upper Cretaceous Tanjero Formation, Around Arbat, Northern Iraq Tavan MUHAMMAD HAMA SALIH, Hasan ÇELİK
	14:15-14:30		150 Reservoir Characterization of The Deep Marine Calciclastic Turbidites of Tanjero Formation Northwestern Sulaimani Hemin MUHAMMAD HAMA SALIH, Hasan ÇELİK
ELECTRICAL - ELECTRONICS ENGINEERING			
Farabi Hall			
Chairman: Assoc. Prof. Mustafa TÜRK			
Time	13:00-13:15	Paper ID	350 TiO ₂ Memristor Modelling with LabVIEW Muhammet Emin SAHIN, Hasan GULER
	13:15-13:30		191 Classification of Short Circuit Faults Occurring in Transmission Lines by Using Transient Current Signals, J48 And Naïve Bayes Machine Learning Algorithms Düzgün AKMAZ, Mehmet Salih MAMIŞ
	13:30-13:45		319 Selection of Fiber Optic Fabry-Perot Interferometer Parameter for Acoustic Sensing Applications Şekip Esat HAYBER, Timuçin Emre TABARU, Ömer Galip SARAÇOĞLU
	13:45-14:00		329 Implementation Of Two Cell Nonautonomous CNN Model On FPGA Bariş KARAKAYA, Vedat ÇELİK, Arif GÜLTEN
	14:00-14:15		534 Reflection Based Smartphone Spectrometer for Detection of Harmful Dyes in Water Volkan KILIÇ, Ali Y. MUTLU, ABDULLAH BAYRAM, Nesrin HORZUM, Mehmet E. SOLMAZ
	14:15-14:30		535 Employing Adaptive-Biasing Technique and New Drivers to Upgrade the Folded Cascode Amplifier Meysam AKBARI, Omid HASHEMIPOUR
INDUSTRIAL ENGINEERING			
MKM1			
Chairman: Assist. Prof. Esra Ağca AKTUNÇ			
Time	13:00-13:15	Paper ID	179 Modeling and Solving a Closed-Loop Reverse Supply Chain Problem in Marble Industry Adil BAYKASOĞLU, Burcu KUBUR ÖZBEL
	13:15-13:30		180 An Integrated Approach to the Vehicle Routing and Container Loading Problems Adil BAYKASOĞLU, Burcu KUBUR ÖZBEL
	13:30-13:45		231 Customer Perception of Social Innovation Activities: An Investigation on Brand Image, Firm Performance and Customer Loyalty Yasemin POLAT, Burcu FELEKOĞLU, Ali Serdar TAŞAN
	13:45-14:00		295 Multi-Objective Nurse Scheduling with Preferences in a Surgical Suite Esra AĞCA AKTUNÇ, Elif TEKİN

BIOENGINEERING				
MKM2				
Chairman: Prof. H. Soner ALTUNDOĞAN				
Time	13:00-13:15	Paper ID	13	Performance of Some Soil Bacteria on Ethalfuralin Biodegradation Gökhan Önder ERGÜVEN
	13:15-13:30		149	An Experimental Study on Determination of Optimal Growth Conditions of <i>Physisporinus vitreus</i> for Biotechnology Davut BAKIR, Evren TERZİ, S. Nami KARTAL
	13:30-13:45		347	Screening and Isolation of Enzyme-Producing Bacteria for Biotechnology Fatma Matpan BEKLER, Zindar ASLAN, Reyhan Gül GÜVEN, Kemal GÜVEN
	13:45-14:00		395	Investigation of α -Amylase Production in Novel Rotating Drum Bioreactor Muhammet Şaban TANYILDIZI, M. Ali UYGUT
	14:00-14:15		396	α -Amylase Production by Submerged Fermentation in Novel Rotating Drum Bioreactor Muhammet Şaban TANYILDIZI, Muhammet Ali UYGUT
	14:15-14:30		398	Isolation, Identification and characterization of Cave Bacteria Yağmur ATAKAV, Rozelin AYDIN
14:30-14:50		COFFEE BREAK		

II. PARALLEL SESSION				
<i>(Location: Fırat University Congress Center)</i>				
CIVIL ENGINEERING				
Mimar Sinan Hall				
Chairman: Assoc. Prof. Muhammet KARATON				
Time	14:50-15:05	Paper ID	512	The Effect of Centric Steel Braced Frames with High Ductility Level on the Performance of Steel Structures Mustafa ÜLKER, Ercan IŞIK, Mehmet ÜLKER
	15:05-15:20		513	Finite Element Solution of The Contact Problem Pembe Merve KARABULUT, Murat YAYLACI, Ahmet BİRİNCİ
	15:20-15:35		538	Ms Excell Macro Applications of Finite Difference and Integration Method for Simply Supported Rectangular Plates Under Sinusoidal Load Sedat SAVAŞ
	15:35-15:50		539	Determining Dynamic Characteristics of Reinforced Concrete Minarets and Updating of Their Finite Element Models Using Environmental Vibration Data Musa YETKİN, Yusuf CALAYIR
	15:50-16:05		540	Linear Elastic Analyses of Masonry Walls Erkut SAYIN, Yusuf CALAYIR
MECHANICAL ENGINEERING				
Yusuf Has Hacıp Hall				
Chairman: Prof. İhsan DAĞTEKİN				
Time	14:50-15:05	Paper ID	264	Vibration Study of Functionally Graded Beam Mohamed BOUAMAMA, Kaddour REFASSI
	15:05-15:20		267	Dynamic Analysis of UAV Wings Zouaoui SATLA, Mohamed ELAJRAMI
	15:20-15:35		268	Vibration Damping of Cantilever Beam by Means Piezoelectric Actuator Mostefa SALAH, Zouaoui SATLA
	15:35-15:50		328	Finite Element Modelling and Analysis of Multilayer Ceramic Coated Femur-Insert Component Ali Kemal ASLAN, Ender EMİR, Erkan BAHÇE, Caner Cengiz TURAN
	15:50-16:05		346	Design and Analysis of Multilayer Beams Which are Used for Motion Hasan LAFÇI, Cihan DEMİR

ELECTRICAL - ELECTRONICS ENGINEERING			
İbn-i Sina Hall			
Chairman: Prof. Sedat SUNTER			
Time	14:50-15:05	Paper ID	354 Speech Based Gender Classification with 1D Local Binary Patterns Abdulkadir ŞENGÜR, Sami EKICI, Yaman AKBULUT, Ömer Faruk ALÇIN, Turgut KAVAS
	15:05-15:20		364 FPGA Implementation of a Chaotic Quadratic Map for Cryptographic Applications Hidayet OĞRAŞ, Mustafa TÜRK
	15:20-15:35		397 Smart Eyes for Monitoring and Analysis of Human Interactions in Smart Cities Orhan YAMAN, Mehmet KARAKÖSE
	15:35-15:50		462 Multifunctional Smart White Cane Okan BINGÖL, Onur Mahmut PIŞIRIR, Burçin ÖZKAYA, Semih TOPSAKAL
	15:50-16:05		242 Handwriting Character Recognition by Using Fuzzy Logic Enes VARDAR, Kaplan KAPLAN, H. Metin ERTUNÇ
	16:05-16:20		283 Classification of Bearing Fault Size by Using Support Vector Machines Kaplan KAPLAN, Melih KUNCAN, H. Metin ERTUNÇ
INDUSTRIAL ENGINEERING			
Kaşgarlı Mahmud Hall			
Chairman: Prof. H. Cenk ÖZMUTLU			
Time	14:50-15:05	Paper ID	125 A Data Mining Application on Sales Data of a Cable Factory in Kayseri Nuh Mehmet OSKAYBAŞ, Sinem KULLUK
	15:05-15:20		320 A Decision Support System for the Optimum Log Transportation Ahmet YÜCEKAYA
	15:20-15:35		416 Introduction to Grey Systems Erkan KÖSE
	15:35-15:50		468 Assembly Line Balancing with Task Paralleling Approach and a Case Study Hakan ALTUNAY, H. Cenk ÖZMUTLU, Seda ÖZMUTLU
COMPUTER ENGINEERING			
Farabi Hall			
Chairman: Assoc. Prof. Burhan ERGEN			
Time	14:50-15:05	Paper ID	9 Forecasting of Daily Passenger Numbers at Bus Stops with Artificial Neural Networks Emrah AYDEMİR, Sevinç GÜLSEÇEN
	15:05-15:20		51 Software Modeling of Remote Controlled Beehive Design Alisan BALTA, Sengul DOĞAN, Gonca OZMEN KOCA, Erhan AKBAL
	15:20-15:35		136 An ANFIS Model for Geometry Optimization of Single Wall Carbon Nanotubes Mehmet ACI, Çiğdem ACI, Mutlu AVCI
	15:35-15:50		477 Performance Analysis of Social Spider Optimization within Unconstrained Problems Cem BAYDOĞAN, Bilal ALATAŞ
CHEMICAL ENGINEERING			
MKMI			
Chairman: Prof. Dursun PEHLİVAN			
Time	14:50-15:05	Paper ID	122 Graphene Nanoplatelet/MIL-101 Nanoadsorbents for Removal of Antibiotics Şahika Sena BEYAZIT
	15:05-15:20		379 Comparison of The Properties of Chitosan Hydrogel and Cryoge Seda CEYLAN, Didem DEMİR, Nimet BÖLGEN KARAGÜLLE
	15:20-15:35		230 A SERS-Based Biosensor Design for Botulinum Toxin Detection Elvan EKMEK, Adem ZENGİN
	15:35-15:50		424 Synthesis of Silver Particles Using Aloe Vera Extract and Their Characterization Didem DEMİR, Gülşah GÜL, Nimet BÖLGEN KARAGÜLLE
	15:50-16:05		426 Eggshell Derived Nanohydroxyapatite Reinforced Chitosan Cryogel Biocomposites for Tissue Engineering Applications Didem DEMİR, Seda CEYLAN, Fatma ÖFKELİ, Duygu ŞEN, Nimet BÖLGEN KARAGÜLLE
16:20-16:40		COFFEE BREAK	

III. PARALLEL SESSION				
<i>(Location: Firat University Congress Center)</i>				
COMPUTER ENGINEERING				
Mimar Sinan Hall				
Chairman: Prof. Yetkin TATAR				
Time	16:40-16:55	Paper ID	148	Moving Object Removal from Video Sequences Şafak Altay AÇAR, Şafak BAYIR
	16:55-17:10		157	A Comparison of Nonstationary Fuzzy Logic for Cyber-Physical Systems Hasan YETİŞ, Mehmet KARAKÖSE
	17:10-17:25		174	A Comparison Study of Rail Fault Detection Methods in the Literature Canan TAŞTIMUR, Mehmet KARAKÖSE, Erhan AKIN
	17:25-17:40		1	Classification of Visual Stimuli for SSVEP-Based Brain Computer Interface Harun ÇİĞ, Davut HANBAY
	17:40-17:55		240	Information Extraction by Mobile Monitoring of Water Quality Measurements at Buildings for Smart Cities Büşra AKARSU, Mehmet KARAKÖSE, Koray Şener PARLAK, Alişan SARIMADEN, Erhan AKIN
CHEMICAL ENGINEERING				
Yusuf Has Hacip Hall				
Chairman: Prof. Cevdet AKOSMAN				
Time	16:40-16:55	Paper ID	327	Synthesis and Characterization of Iron Nanoparticles Using Eriobotrya Japonica Leaves Aqueous Extract for Effective Adsorption Of Cr(VI) Emel Simla ÖNAL, Tolga YATKIN, Tural ASLANOV, Memduha ERGÜT, Ayla ÖZER
	16:55-17:10		236	Adsorption Effects of Clay, Treated with Acid at Different Concentrations Tülay ARASAN, Çiğdem SARICI ÖZDEMİR
	17:10-17:25		239	Adsorption Effects of Clay Treated with Base at Different Temperatures Tülay ARASAN, Çiğdem SARICI ÖZDEMİR
	17:25-17:40		276	Decolorization of Jakofix Yellow Dye Solutions by Electrocoagulation Zürriye GÜNDÜZ
ELECTRICAL - ELECTRONICS ENGINEERING				
İbn-i Sina Hall				
Chairman: Prof. M. Tunay GENÇOĞLU				
Time	16:40-16:55	Paper ID	277	A Study of Experimental Efficiency of PV-Hydrogen Generation Hybrid Energy System Mahir ÇEVİK, Kemal DELİHACIOĞLU, Abdulkadir YILDIZ
	16:55-17:10		536	Vibration Failure Prediction in Gas Turbine System Based on Kalman Observers Boulanouar SAADAT, Abdellah KOUZOU, Ahmed HAFIFA, Mouloud GUEMANA
	17:10-17:25		474	Smart Playground Lighting with Solar Energy System Okan BİNGÖL, Onur Mahmut PİŞİRİR, Burçin ÖZKAYA, Hamza Mert DİRİK
	17:25-17:40		177	A Study of Multistage Network Expansion Planning by Using DC-Lossy and Linearized-AC Models Mehmet Fatih CANKURTARAN, Engin KARATEPE
GEOLOGICAL ENGINEERING				
Kaşgarlı Mahmud Hall				
Chairman: Prof. Bahattin ÇETİNDAG				
Time	16:40-16:55	Paper ID	190	Investigation of Fly Ash Effect on Rheological and Filtration Properties of Drilling Muds Abdullah ÖZKAN, Sıtkı Ekrem TURAN, Vildan ÖZKAN, Behlül Merve KAPLAN
	16:55-17:10		465	The Evaluation of Hydrochemical, Geothermal Energy Potential And Balneotherapy of The Some Important Geothermal Waters, Central Anatolia, Turkey Mustafa AFŞİN, Macit KARADAĞLAR, Murat KAVURMACI, Ümmühan Gökçen DURU, Ali GÜREL, Hatice GÜRDAL, Nergis ERDOĞAN, Özcan ORUÇ
	17:10-17:25		348	Effect of Nano Zeolite Addition in Drilling Fluid Abdullah ÖZKAN, Behlül Merve KAPLAN, Vildan ÖZKAN, Sıtkı Ekrem TURAN
	17:25-17:40		185	Inversion of Fracture Spatial Distribution for Microseismic Based on Genetic Algorithm Jinting WU

MECHANICAL ENGINEERING			
Farabi Hall			
Chairman: Assoc. Prof. Nevin ÇELİK			
Time	16:40-16:55	Paper ID	64
	16:55-17:10		113
	17:10-17:25		137
	17:25-17:40		156
	17:40-17:55		161
	17:55-18:10		162
BIOENGINEERING			
MKM 1			
Chairman: Assoc. Prof. M. Şaban TANYILDIZI			
Time	16:40-16:55	Paper ID	36
	16:55-17:10		52
	17:10-17:25		86
	17:25-17:40		97
	17:40-17:55		106
	17:55-18:10		92
CIVIL ENGINEERING			
MKM 2			
Chairman: Prof. Mehmet ÜLKER			
Time	16:40-16:55	Paper ID	85
	16:55-17:10		110
	17:10-17:25		111
	17:25-17:40		112
	17:40-17:55		213
	17:55-18:10		139
18:10-22:00		HAZAR LAKE TRIP AND SYMPOSIUM DINNER AT MAVİ GÖL RESTAURANT	

ID Number	Posters should be hanged during the Conference
	Session I Time: 13:00-14:30
248	DSP Controlled Single Phase Bridgeless PFCBuck Converter Harun OZBAY, Akif KARAFİL, Yasemin ONAL, Metin KESLER
127	Petrographic and Geochemical Properties of Solhan Volcanics in the West of Bingöl Tuğçe BAYKARA, Sevcan KÜRÜM, Dicle BAL AKKOCA
134	The Significance of Radon Gas in Hudai Geothermal Waters; Sandıklı; Afyonkarahisar; Turkey Murat SAÇ, Mustafa AFŞİN, Aysen DAVRAZ, Fatma AKSEVER, Zehra KARAKAŞ, M. Ali HİNİS
56	An Overview of Crop Production Potential of Elazığ Atilla ÇAKIR, Ezgi DOĞAN, Alperen MERAL
74	Use of MQTT Protocol for Internet of Things (IoT) (Creating a Sample Prototype) Mustafa ÇAKIR, Okan ORAL
353	Investigation of Data Mining by using Ion Motion Optimization Erhan AKYOL, Bilgin ZENGİN, Bilal ALATAŞ
119	Preparation and Characterization of W-doped Thermochromic VO ₂ Thin Films Muhammed Berkay GÜVEN, Eren DOĞAN, Miray ÇELİKBİLEK ERSUNDU, Ali Erçin ERSUNDU
10	Determination of Existing and Possible Environmental Risks in Solid Waste Dumping Site, Tunceli, Turkey in Winter Gökhan Önder ERGÜVEN, Nuran YILDIRIM, Deniz DEMİRBİLEK
18	Effects of Remazol Brilliant Blue R on Glutathione S-Transferase in Rainbow Trout (<i>Oncorhynchus mykiss</i> , Walbaum, 1792) Nuran ÇIKCIKOĞLU YILDIRIM, Leyla DOĞAN
19	Investigation of CYP1A1 Activity in Rainbow trout (<i>Oncorhynchus mykiss</i> , Walbaum, 1792) exposed to Remazol Brilliant Blue R Nuran ÇIKCIKOĞLU YILDIRIM, Leyla DOĞAN
116	Biosorption Properties <i>Bacillus subtilis</i> ATCC 6051 and MgO nanoparticles for Reactive Black 5 from Wastewater Nurullah AKCAN, Besi SERİN, Serhat UZAN, Fikret UYAR
121	Moving Bed Biofilm Reactor Engin GÜRTEKİN
124	Biosensor Based Purslane Tissue for Determination of Phenolic Compounds REYHAN GÜL GÜVEN, Kemal GÜVEN, Fatma MATPAN BEKLER
555	Examination of Biodiesel Potential From Plant Wastes in Turkey Barbaros DURMUŞ, Nilüfer NACAR KOÇER
223	Optimum Conditions for COD reduction by <i>Langarmania gigantea</i> using Response Surface Methodology Hevidar ALP, Numan YILDIRIM, Nuran ÇIKCIKOĞLU YILDIRIM, Vahap YONTEN

ID Number	Posters should be hanged during the Conference
	Session II Time: 14:50-16:20
176	Bacillus subtilis and MgO Nanoparticles for Reactive Blue 4 from Wastewater Besi SERİN, Nurullah AKCAN, Serhat UZAN, Fikret UYAR
221	Use of Nitric Acid As An Oxidizing Agent İn The Modification Process For The Generation Of Weeds- Based Biochar: Process Optimization And Characterization Hasan SAYĞILI, Fuat GÜZEL, Gülbahar AKKAYA SAYĞILI Filiz KOYUNCU, Cumali YILMAZ
370	The Usage of Metallic Nanoparticles in Removal of Pharmaceuticals from Water and Wastewater Özge HANAY, Burçin YILDIZ
452	Use of Vermicompost in Environmental Technologies Hande TÜRK, Özge HANAY
552	Antioxidative Stress Responses in The Floating Macrophyte Lemna gibba L. After Exposure to Secondary Effluent from Municipal Wastewater Treatment Plant Şule Yüksel TATAR, Erdal ÖBEK, Nuran CIKCIKOĞLU YILDIRIM
553	Glutathion Levels in Gammarus Pulex Exposed to Landfill Leachate Treated by using Electrocoagulation Process Şule Yüksel TATAR, Nuran CIKCIKOĞLU YILDIRIM, Osman SERDAR, Numan YILDIRIM, Ayşenur ÖGEDEY

ID Number	Posters should be hanged during the Conference
	Session III Time: 16:40-18:10
30	Thermal Energy Storage Characteristics of Micro/Nano Encapsulated Lauric-Stearic Acid Eutectic Mixture by Poly(Methyl Methacrylate) Alper BİÇER, Ahmet SARI, Cemil ALKAN
33	Effect of Carbon Nanotubes on Thermal Energy Storage Characteristics Ahmet SARI, Alper BİÇER, Ali KARAIPEKLİ
135	Design and Analysis of Cervical Disc Prosthesis in Different Geometries; A Finite Element Study Osman ORHAN, Gökhan KURNAZ, Hojjat Ghahramanzadeh ASI
284	Numerical Investigation of Heat Transfer Performance for Pumice Block Materials Using Silica Aerogel Insulation Materials M. Fatih KAYA, Akif TAŞKIN, Nesrin DEMİR
308	Biosynthesis of Extracellular Silver Nanoparticules by Acinetobacter sp. Kemal GÜVEN, Ömer ACER, Reyhan G. GÜVEN, Ingrid TESSMER, Fatma M. BEKLER
309	Isolation and Characterisation of a Bacterial Strain Producing Biotechnologically Important Enzymes, from Hotspring. Kemal GÜVEN, Zindar ASLAN, Fatma M. BEKLER, Reyhan G. GÜVEN
422	Glucose, Sucrose and Lactose Sensitive Amperometric Biosensor Construction by Poly(o-anisidine) Coated Carbon Paste Electrode Gül ÖZYILMAZ, A. Tuncay ÖZYILMAZ, Esra YAĞIZ
423	Construction of Glucose Biosensor Using Poly (Pyrrole-co-N-Methylpyrrole) Gül ÖZYILMAZ, A. Tuncay ÖZYILMAZ, Seda AĞÇAM
533	The Comparison of Population Percentages (%) of Yellow Stick Traps and D-Vac Sampling Methods of Arboridia adanae and Empoasca decipiens on vineyards in Elazığ Province (Turkey) İnanç ÖZGEN, Yusuf KARSAVURAN

Time	Location: Firat University Atatürk Cultural Center
09:00-10:00	<p style="text-align: center;">Keynote Speaker Prof. Kouzou ABDELLAH Faculty of Science and Technology, Djelfa University, Algeria</p>

Time	Location: Firat University Congress Center
08:30-10:00	<p style="text-align: center;">IV. Parallel Session for Oral Presentations and IV. Session for Poster Presentations</p>
10:00-10:20	<p style="text-align: center;">Coffee Break</p>
10:20-11:50	<p style="text-align: center;">V. Parallel Session for Oral Presentations and V. Session for Poster Presentations</p>
11:50-13:00	<p style="text-align: center;">Lunch (Firat University Social Center)</p>
13:00-14:30	<p style="text-align: center;">VI. Parallel Session for Oral Presentations and VI. Session for Poster Presentations</p>
14:30-14:45	<p style="text-align: center;">Coffee Break</p>
14:45-16:15	<p style="text-align: center;">VII. Parallel Session for Oral Presentations</p>
16:30-22:00	<p style="text-align: center;">Harput Trip and Symposium Dinner at Balakgazi Restaurant</p>

IV. PARALLEL SESSION				
<i>(Location: Furat University Congress Center)</i>				
CIVIL ENGINEERING				
Mimar Sinan Hall				
Chairman: Prof. Yusuf CALAYIR				
Time	08:30-08:45	Paper ID	382	Evolutinary Optimization of Continuous Structures Under Impact Load Sedat SAVAŞ
	08:45-09:00		409	Transient Analysis of In-Plane Loaded Elastic Stepped Circular Arches Ahmad Reshad NOORİ, Timuçin Alp ASLAN, Beytullah TEMEL
	09:00-09:15		486	Effect of Incoherency Models on Isolated and Nonisolated Highway Bridge Muhammet YURDAKUL, Şevket ATEŞ
	09:15-09:30		12	Investigation of Architectural Design Failures in Earthquake Resistant Design of Buildings based on Turkish Earthquake Code (TEC) Tuğba İNAN, Ebru ŞAHİN MERCİMEK, Kutluğ SAVAŞIR
	09:30-09:45		502	Frictionless Contact Problem for a Graded Layer-Half Plane Structure under a Rigid Punch Erdal ÖNER, Gökhan ADIYAMAN, Ahmet BİRİNCİ
	09:45-10:00		509	Adopted Material Properties of Historical Masonry Structures for Finite Element Models: Mosques and Bridges Onur ONAT, Burak YÖN
CHEMICAL ENGINEERING				
Yusuf Has Hacıp Hall				
Chairman: Prof. Fethi KAMIŞLI				
Time	08:30-08:45	Paper ID	117	Modelling Rheological Properties of some Molasses–Sesame Paste Blends Ercan AYDOĞMUŞ, Fethi KAMIŞLI
	08:45-09:00		94	The Production of Vegetable Oil-Based Polyols and Modelling of Rheological Properties Ercan AYDOĞMUŞ, Müge GÜR, Fethi KAMIŞLI
	09:00-09:15		406	Occupational Health Risk Analysis and Assesstmen in Cement Production Processes Vedat KARAHAN, Cevdet AKOSMAN
	09:15-09:30		349	Investigation of Diffusion and Adsorption of Acetone in Building Materials by Dynamic Method Şakir YILMAZ, Cevdet AKOSMAN
	09:30-09:45		173	Drinking Water and Acid and Base Production from Rivers, Lake, and Sea Waters with a Three-Compartment Membrane Electrodialysis Cell Jülide ERKMEN, Sinan YAPICI, Erbil KAVCI
	09:45-10:00		528	Effect of Coating Time on ZnO Thin Film Photocatalyst Prepared By Sol-Gel Method Hande YILMAZ, Taner TEKİN
BIOENGINEERING				
İbn-i Sina Hall				
Chairman: Assist. Prof. Mehmet KALENDER				
Time	08:30-08:45	Paper ID	87	New Heterocyclic Compounds as Inhibitors of Rat Erythrocytes G6PD and 6PGD and Docking Studies Adnan AYNA, Sinan BAYINDIR, Yusuf TEMEL
	08:45-09:00		105	Design and Synthesis of Indole Derivatives for the Inhibition of G6PDa and Detailed in Silico Studies Sinan BAYINDIR, Adnan AYNA, Yusuf TEMEL
	09:00-09:15		271	Some Antibiotics as Inhibitors and Activators of Rat Erythrocyte 6PGD and G6PD Yusuf TEMEL, Adnan AYNA, Mehmet ÇİFTÇİ
	09:15-09:30		192	Does Hypovolemia Effect Contraction Kinetics? Murat AYAZ, Nilüfer AKGÜN
	09:30-09:45		196	The Role of Alkali Metals on Nerve Action Potential Murat AYAZ

COMPUTER ENGINEERING				
Kaşgarlı Mahmud Hall				
Chairman: Assoc. Prof. İlhan AYDIN				
Time	08:30-08:45	Paper ID	401	Mobile Device, Computer, Internet and Social Media Use in Turkey Rojan GÜMÜŞ, Yasin SÖNMEZ
	08:45-09:00		402	Evaluation of Technical Qualities of Hospital Websites in Istanbul, Turkey Rojan GÜMÜŞ, Yasin SÖNMEZ
	09:00-09:15		449	A User Friendly Test Program for Random Number Generator Erdinç AVAROĞLU, Ahmet Bedri ÖZER, Mustafa TÜRK
	09:15-09:30		448	Performance Measurement for Distributed Systems using OPNET Principles Subhi R. M.ZEEBAREE, Bishar Rasheed IBRAHIM, Mehmet KAYA
ELECTRICAL - ELECTRONICS ENGINEERING				
Farabi Hall				
Chairman: Assist. Prof. Adnan CORA				
Time	08:30-08:45	Paper ID	21	Single Phase Five- Level Inverter Based Statcom For Reactive Power Compensation Ahmet Mete VURAL, Hamed Atyia SOODI
	08:45-09:00		200	DsPIC30f4011 Based Low Input Voltage AC Motor Driver Design and Implementation Tolga Özer, Sinan KIVRAK, Yüksel OĞUZ
	09:00-09:15		220	PI and Fuzzy Logic Control of Photovoltaic Panel Powered Synchronous Boost Converter Ahmet YÜKSEL, Adnan CORA
	09:15-09:30		537	Comparative Study Between Single Matrix Converter and Dual Matrix Converter Feeding Open-End Winding Induction Machine Beladel ABDELKADER, Kouzou ABDELLAH, Hafaiha AHMEDIFA, Sedat SÜNTER, Mafi DJİLALİ
COMPUTER ENGINEERING				
MKM1				
Chairman: Assoc. Prof. Taner TUNCER				
Time	08:30-08:45	Paper ID	266	A Time-Limited Park Violation Detection Approach Using Size Based Image Feature Extraction Turan Göktuğ ALTUNDOĞAN, Mehmet KARAKÖSE
	08:45-09:00		312	Use of a Convolutional Neural Networks Method in Image Classification Vedat TÜMEN, Ömer Faruk SÖYLEMEZ, Burhan ERGEN
	09:00-09:15		384	Examination of Data Erasure Tools and Methods Erhan AKBAL, Şengül DOĞAN
	09:15-09:30		385	Wireless and Impreadable Wireless Sensor Networks Ünal SINIR, Farzad KIANI, Amir SEYYEDABBASI
	09:30-09:45		479	Reducing Error Rate in Mathematical Modeling to Determine Surface Roughness at CNC Milling Using Social Spider Algorithm Cem BAYDOĞAN, Bilal ALATAS
FOOD ENGINEERING				
MKM2				
Chairman: Prof. Zehra GÜLER				
Time	08:30-08:45	Paper ID	524	Pekmez Powder Production by Spray Drying Technology With Niro Atomizer Type Pilot Drying Unit Durmuş SERT, Emin MERCAN, Emrah KARAKAVUK
	08:45-09:00		252	Modeling of Convection Cooking of Chicken Patties Using Comsol Multiphysics Neşe BADAĞ, Mehmet Utku BADAĞ, Yusuf TUNÇTÜRK
	09:00-09:15		256	Modeling Moisture Change During Convection Cooking of Chicken Patties Using Comsol Multiphysics Neşe BADAĞ, Mehmet Utku BADAĞ, Süha Orçun MERT
	09:15-09:30		282	An Innovative Product: Kefir with Mint and its Volatile Compounds Ebru GÜL, Zehra GÜLER
	09:30-09:45		294	Effect of Using Coriandrum sativum L. on the Quality of Fresh White Cheese Tamer TURGUT, Alper BARAN, Ahmet ERDOĞAN, Cemal ADIGÜZEL
10:00-10:20			COFFEE BREAK	

V. PARALLEL SESSION (Location: <i>Firat University Congress Center</i>)			
CIVIL ENGINEERING Mimar Sinan Hall Chairman: Prof. Zülfü Çınar ULUCAN			
Time	10:20-10:35	Paper ID	14 Utilization of Elazığ Ferrochrome Slag and Gypsum in Production of Unfired Earth Bricks İbrahim TÜRKMEN, Enes EKİNCİ, Fatih KANTARCI
	10:35-10:50		50 Determination of Fracture Parameters of Effective Crack Model by Wedge-splitting Test A.Tevfik BİLDİK, Ragıp İNCE
	10:50-11:05		57 Influence of Elevated Temperatures on the Strength Properties of Lightweight Concrete Masonry Units Prepared With Pumice Aggregates Lütfullah GÜNDÜZ, Şevket Onur KALKAN
	11:05-11:20		108 Strength, Sorptivity and Porosity of Self-Compacting Mortar Containing High-Calcium Fly Ash and Silica Fume Mehmet KARATAŞ, Ahmet BENLİ
	11:20-11:35		109 Strength, Sorptivity and Porosity of Self-Compacting Mortar Containing Ground Pumice Powder Ahmet BENLİ, Mehmet KARATAŞ
	11:35-11:50		371 Optimum Design of Plane Steel Frame Including Corrosion Effect Using Harmony Search Algorithm Musa ARTAR, Recep ÇATAR, Ayşe T. DALOĞLU
METALLURGICAL AND MATERIALS ENGINEERING Yusuf Has Hacıp Hall Chairman: Prof. Mehmet EROĞLU			
Time	10:20-10:35	Paper ID	184 Growth and Passivation Study of Zinc Based Alloys Electrodeposited from Pyrophosphate Medium Metin BEDİR, Mehmet Yakup HACİBRAHİMOĞLU, Abdulcabbar YAVUZ, Zihni ÖZTÜRK
	10:35-10:50		219 Surface Design of Gun Barrel of Infantry Troops' Rifle Esra AKKUŞ, Burcu Nilgün ÇETİNER, Ecem TURHAN, İsmail TOPÇU, M. Ufuk ŞAHİN, Arif Nihat GÜLLÜOĞLU, Özgür ÇINAR
	10:50-11:05		224 Design of Glass Shaping Molds Esra AKKUŞ, Nazan ÖZGÖZ, Hande GÜMÜŞLÜ, Özgür ÇINAR, Merve ALTINAY, Burcu Nilgün ÇETİNER, Sibel DAŞCI, Arif Nihat GÜLLÜOĞLU
	11:05-11:20		226 Characterisation of Borided Ternary Fe-8Ni-Cr Alloys with Different Cr Content Yücel GENÇER, Mehmet TARAKÇI, Naim Burak MAÇKAN
	11:20-11:35		235 The Effect of Current Density on the Properties of Oxide Coatings Formed on Zirconium by MAO Yücel GENÇER, Sezgin CENGİZ
	11:35-11:50		261 High Temperature Oxidation of NiAlCr and NiAlCr-Mg Alloys Mehmet TARAKÇI, Yunus AZAKLI
BIOENGINEERING İbn-i Sina Hall Chairman: Assoc. Prof. İnanç ÖZGEN			
Time	10:20-10:35	Paper ID	37 A Biological Example of Avalanche Multiplication: Hodgkin Cycle Murat AYAZ, Sırma BAŞAK YANARDAĞ
	10:35-10:50		53 The Using of Nanotechnology in Animals Pınar TATLI SEVEN, İsmail SEVEN, Burcu GÜL BAYKALIR, Seda İFLAZOĞLU MUTLU
	10:50-11:05		193 Effects of Hypovolemia on Action Potential Parameters Murat AYAZ, Nilüfer AKGÜN
	11:05-11:20		204 The Effects of The Potassium Channel Conductivity on The Cardiac Action Potential and Contraction Murat AYAZ
	11:20-11:35		130 Electrospinning of Hydroxyapatite/Poly(lactic acid)/Polyurethane Based Nanocomposites for Multi-purpose Biomedical Applications Yeşim Müge ŞAHİN, Erdi BULUŞ, Gül TOSUN

INDUSTRIAL ENGINEERING				
Kaşgarlı Mahmud Hall				
Chairman: Prof. Seda ÖZMUTLU				
Time	10:20-10:35	Paper ID	93	Ring Planning for University Campus by Using Set Covering Problem Eren ÖZCEYLAN, Cihan ÇETINKAYA
	10:35-10:50		159	Cost Minimizing Fuel-Coal Selection for Power Plants under Operational Constraints Ahmet YÜCEKAYA
	10:50-11:05		300	Class-Based Warehouse Location Allocation for Homeware Products Esra Ağca AKTUNÇ, Halil ARGUN, Erkin GÖKÇE
FOOD ENGINEERING				
Farabi Hall				
Chairman: Prof. Gülbeyi DURSUN				
Time	10:20-10:35	Paper ID	114	Effects of Storage Time on Some Properties of Yogurt Cheeses Çağla ÖZBEK, Nuray GÜZELER
	10:35-10:50		168	The Effects of Storage Time on the Properties of Soft Cheeses That Was Produced By Sodium Caseinate Addition to Fat Enriched Milk Nuray GÜZELER, Fazeleh MESGARI, Çağla ÖZBEK
	10:50-11:05		279	Changes in Some Quality Characteristics of Erzincan Tulum (Şavak) Cheeses Ripened in Goat's Skins and Plastic Barrels Yusuf ÇAKIR, Songül ÇAKMAKÇI
	11:05-11:20		318	Various Animal Species Milk: Nutritional Value and Technological Properties Songül ÇAKMAKÇI, Engin GÜNDOĞDU
MECHANICAL ENGINEERING				
MKM1				
Chairman: Assoc. Prof. Şefika KASMAN				
Time	10:20-10:35	Paper ID	146	Innovative Analyze of Operator Viewpoint With Camera System On Single Jaw Vertical Coil Tong Erhan DÜZGÜN, Arif GÖK
	10:35-10:50		158	Thermal Aging Effect on the Failure Loads of V-Notched Composite Plates Kadir TURAN, Mete Onur KAMAN, Nihat TOSUN
	10:50-11:05		171	Numerical Investigation of Active Vibration Control of Composite Plate Using PID Controller Kouder BENDİNE, Alper POLAT
	11:05-11:20		548	Investigation of Patch Geometry Effects for Patch Bonding Repair in Laminated Composite Materials Şükrü ÇETINKAYA, Haşim PIHTILİ, HAYRİ YILDIRIM
	11:20-11:35		515	Bending and Torsional Behaviors and Finite Element Analysis of Hollow Circular Glass/Epoxy Composite Shafts at Different Orientation Angles HAYRİ YILDIRIM, Haşim PIHTILİ, Şükrü ÇETINKAYA
	11:35-11:50		520	Elasto-Plastic Stress Analysis of V-Notched 5754 Al Plates Ahmet SAYLIK, Mete Onur KAMAN
ELECTRICAL - ELECTRONICS ENGINEERING				
MKM2				
Chairman: Assoc. Prof. Kouzou ABDELLAH				
Time	10:20-10:35	Paper ID	506	PWM Control of AC Chopper Fed by Unbalanced 3-Phase Voltage Source Nurbanu MACİT, Sedat SÜNTER
	10:35-10:50		514	Impacts of DG Integration on Loadability of Power Systems: A Review for Existing Approaches Kadir DOĞANSAHİN, Bedri KEKEZOĞLU, Recep YUMURTACI
	10:50-11:05		497	Design and Implementation of PID Controller System Based on Android Platform For an Espresso Machine Ender OĞUZ, M.Z. BİLGİN
11:50-13:00			LUNCH (FIRAT UNIVERSITY SOCIAL CENTER)	

VI. PARALLEL SESSION				
<i>(Location: Firat University Congress Center)</i>				
CIVIL ENGINEERING				
Mimar Sinan Hall				
Chairman: Assist. Prof. Mehmet KARATAŞ				
Time	13:00-13:15	Paper ID	478	The Design of Self-Compacting Lightweight Smart Concrete and Investigation of Some Properties Nusret BOZKURT, M. Tansu BAYDAŞ
	13:15-13:30		189	Paper Crete, Lightweight Environmental Friendly Building Material Utilizing Paper Waste as Ingredient Zahid ALİ
	13:30-13:45		274	Feasibility Analysis of NDT Methods Using to Estimate The Concrete Strength as Part of Urban Regeneration Kürşat Esat ALYAMAÇ, Yavuzhan TAŞ, Merve Açıkgenç ULAŞ, Ehsan GHAFARI
	13:45-14:00		330	Masonry Structures in Turkey: Codes, Seismic Performance and Future Strategies Kürşat Esat ALYAMAÇ, Humeyra ŞAHİN, Zülfü Çınar ULUCAN, Ali Sayıl ERDOĞAN
	14:00-14:15		336	Investigating of Soft Storeys in Buildings with Hollow Block Slab Ozan İNCE, Hümeysra ŞAHİN, Kürşat Esat ALYAMAÇ, Zülfü ÇINAR
	14:15-14:30		503	Analysis of Composite Steel I-Girder Bridges Fatma ÜLKER, Ragıp İNCE
MECHANICAL ENGINEERING				
Yusuf Has Hacıp Hall				
Chairman: Assoc. Prof. Oktay HACIHAFIZOĞLU				
Time	13:00-13:15	Paper ID	35	Investigation of the Effects of CAD/CAM Parameters on the Machining Times in the Cutting of Cycloidal Gears in CNC Milling Machines Cihan ÖZEL, Yunus ORTAÇ, Turan GÜRGENÇ
	13:15-13:30		39	Robust and Gain Scheduling PI Control of Varying Time Delay Systems Cem ONAT, Abdullah TURAN
	13:30-13:45		44	Impact Performance of Intraply-Woven Carbon/Aramid Hybrid Composites with Nano-Clay Particles Mehmet BULUT, Ahmet ERKLİĞ, Ömer Yavuz BOZKURT
	13:45-14:00		62	An Investigation on The Low Velocity Impact Damage of GFRP Composite Materials Interleaved with Nylon 6,6 Nanofiber Mats Murat YILDIZ, Vildan ÖZKAN, AHMET YAPICI
	14:00-14:15		71	Vibration Properties of Intraply Woven Carbon/Aramid Fiber Reinforced Composites with Nanoclay Particles Ahmet ERKLİĞ, Mehmet BULUT, Nurettin Furkan DOĞAN
	14:15-14:30		145	Examination of Locked and Unlocked Fixation Plates Used in Tibia Diaphysis Fractures Produced by Different Materials; a Finite Element Study Hojjat GHAHRAMANZADEH ASL, Osman ORHAN, Mustafa CAN İRHAN, Özgü BAYRAK
COMPUTER ENGINEERING				
İbn-i Sina Hall				
Chairman: Assoc. Prof. Bilal ALATAŞ				
Time	13:00-13:15	Paper ID	450	H Function Implementation On True Random Number Generators Erdiç AVAROĞLU, Hatice Kübra KOÇ
	13:15-13:30		451	Different Approaches for Language Identification Ahmet Anıl MÜNGEN, Mehmet KAYA
	13:30-13:45		457	An Image Processing based Object Counting Approach for Machine Vision Application Mehmet BAYGIN, Mehmet KARAKÖSE, Alişan SARIMADEN, Erhan AKIN
	13:45-14:00		461	Examination of Eye Tracking Technology in Terms of Usage Mehmet Emin UĞUR, Durmuş ÖZDEMİR
	14:00-14:15		488	Brain Tumor Detection Based On Image Processing And Statistics Zehra KARHAN, Durmuş Özkan ŞAHİN, Erdal KILIÇ

ENVIRONMENTAL ENGINEERING				
Kaşgarlı Mahmud Hall				
Chairman: Assist. Prof. Gülşad USLU				
Time	13:00-13:15	Paper ID	120	Biological Selectors Engin GÜRTEKİN, Ergin TAŞKAN
	13:15-13:30		143	Biodegradation of Malathion by Phanerochaete chrysosporium (ME446) under Submerged Culture Conditions: Monitoring by COD reduction and Laccase Activity in Medium Numan YILDIRIM, Gökhan Önder ERGÜVEN, Elanur ADAR
	13:30-13:45		175	Bacillus Subtilis ATCC 6051 and MgO Nanoparticles for Reactive Orange from Wastewater Besi SERİN, Nurullah AKCAN, Serhat UZAN, Fikret UYAR
	13:45-14:00		504	Effect of Oxytetracycline on Serum Response of Rainbow Trout, Oncorhynchus Mykiss Muammer KIRICI, M. Enis YONAR, Unal İSPİR, Serpil MİSE YONAR
	14:00-14:15		505	Toxic Impact of Carbamazepine on Protein, Fat and Glycogen Levels of Carp Cyprinus Carpio, Fry Muammer KIRICI, M. Enis YONAR, Unal İSPİR, Serpil MİSE YONAR
	14:15-14:30		518	Recent Progress in Design and Applications of Electrode Materials for Microbial Fuel Cells Ergin TAŞKAN, Halil HASAR
ELECTRICAL - ELECTRONICS ENGINEERING				
Farabi Hall				
Chairman: Assist. Prof. Hasan GÜLER				
Time	13:00-13:15	Paper ID	359	LSE Channel Estimation and Performance Analysis of OFDM Systems Bircan KAMISLIOĞLU, Ayhan AKBAL
	13:15-13:30		425	Performance Analysis of 20 Gb/S QPSK Modulated Dual Polarization Coherent Optical OFDM Systems Ahmet GÜNER
	13:30-13:45		278	Development of Smart Security System for Remote Control Using Small Computer Huda AL-SAFFAR, Ergun ERÇELEBİ
	13:45-14:00		417	Visible Light Communication: A Tool For Addressing Radio Frequency Spectrum Congestion Mahmud MUSTAPHA, Ibrahim DEVELİ
METALLURGICAL AND MATERIALS ENGINEERING				
MKM 1				
Chairman: Prof. Mehtap MURATOĞLU				
Time	13:00-13:15	Paper ID	101	Synthesis of Thermochromic VO ₂ Thin Films for Use in Smart Glass Systems Eren DOĞAN, Muhammed Berkay GÜVEN, Miray ÇELİKBİLEK ERSUNDU, Ali Erçin ERSUNDU
	13:15-13:30		126	A Study on Thermal Behavior of Volcanic Particle Filled High-Density Polyethylene Onur ÇOBAN, Mustafa Özgür BORA, Togayhan KUTLUK
	13:30-13:45		128	Scratch Deformation Characteristics of Calcium Carbonate Filled High Density Polyethylene Composites Mustafa Özgür BORA, Togayhan KUTLUK, Onur ÇOBAN, Eyüp AKAGÜNDÜZ
	13:45-14:00		144	Microstructure of Heat treated Wood Material A.Dilek DOĞU, Davut BAKIR, F. Diğdem TUNCER, Suleyman KORKUT, Zeki CANDAN
	14:00-14:15		165	Synthesis of Cobalt Based Composite Thin Film on Copper Collector for Energy Storage Devices Abdulcabbar YAVUZ, Metin BEDİR, M. Yakup HACİBRAHİMOĞLU
	14:15-14:30		166	Metals and Alloys Deposition on Aluminium Based Substrate from an Ionic Liquid Abdulcabbar YAVUZ, M. Yakup HACİBRAHİMOĞLU, Metin BEDİR
14:30-14:45			COFFEE BREAK	

VII. PARALLEL SESSION				
<i>(Location: Firat University Congress Center)</i>				
CIVIL ENGINEERING				
Mimar Sinan Hall				
Chairman: Prof. Ragıp İNCE				
Time	14:45-15:00	Paper ID	519	Derivation of Damage Probability Matrices For Hinge Connected Precast Industrial Buildings Mehmet PALANCI, Şevket Murat SENEL, Ali KALKAN
	15:00-15:15		421	Wind-Catchers in Iranian Traditional Architecture as a Sustainable Solutions for Building Ventilation Saeideh FARNIAN
	15:15-15:30		543	Hardened State Properties of Modified Concrete Produced with Demolish Waste, Steel and Plastic Fiber Selim CEMALGİL, Onur ONAT, Serkan ETLİ
	15:30-15:45		544	The Comparision Of Moyas* Dormitory Buildings Types Projects with Moyas* Accomodation Building Standards and the Evaluation of Their Availability Hasan POLAT, Ebru DOĞAN
	15:45-16:00		545	An Investigation of Modular Construction Buildings In terms of Flexibility Ebru DOĞAN, Hasan POLAT
CHEMICAL ENGINEERING				
Yusuf Has Hacip Hall				
Chairman: Prof. Dursun PEHLİVAN				
Time	14:45-15:00	Paper ID	342	Synthesis and Characterization of Alginate/Fe3O4 Nanoparticles for Methylene Blue Adsorption Ceylan UZUN, Nuran EFEYİK, Deniz UZUNOĞLU, Ayla ÖZER
	15:00-15:15		377	Photocatalytic Degradation of Reactive Red 195 in Aqueous Solution by UV/ZnO Process Veyis SELEN, Gülbeyi DURSUN
	15:15-15:30		415	Efficient Color Removal of Reactive Black 5 by UV/ZnO System in an Annular Photoreactor Veyis SELEN, Gülbeyi DURSUN
	15:30-15:45		367	Investigation of Ammonium Persulfate Concentration on Electrochemical Polymerization of Catechol Osman Cem ALTINCI, Bahadır Kürşad KÖRBAHTİ
	15:45-16:00		383	Optimization with Response Surface Methodology of Green Synthesis Conditions of Silver Nanoparticles as an Antibacterial Agent Semra ASLANTÜRK, Deniz UZUNOĞLU, Esma ESER, İbrahim EKİZ, Ayla ÖZER
MECHANICAL ENGINEERING				
İbn-i Sina Hall				
Chairman: Assoc. Prof. Duygu EVİN				
Time	14:45-15:00	Paper ID	163	Carbon Footprint and Energy Payback Time of a 2 MW Wind Turbine Nesrin KAYATAŞ DEMİR, Akif TAŞKIN
	15:00-15:15		183	Geothermal Energy Integrated Resource Management In Turkey Orkun TEKE, Ergül YAŞAR
	15:15-15:30		218	Investigation of The Effect of Partial Shadowing with Solar Array Simulator Akif KARANFİL, Harun ÖZBAY
	15:30-15:45		225	Numerical Investigation of Heat Transfer and Pressure Drop Characteristic of Wire Coil Insert In a Square Duct Taha Tuna GÖKSU, Fuat YILMAZ
	15:45-16:00		442	Effect of Ph on The Stress Corrosion Cracking of AZ91 Mg Alloys Using Slow Strain Rate Test (SSRT) Method Recep ÇATAR, Hikmet ALTUN


BIOENGINEERING				
Kaşgarlı Mahmud Hall				
Chairman: Assoc. Prof. Nazmi GÜR				
Time	14:45-15:00	Paper ID	222	Measurement of the effects of the pneumatic gait assist system on the lower extremity muscles during the swing phase of the walk using superficial EMG İbrahim MUTLU, Fatih TEZEL
	15:00-15:15		254	2D and 3D Drug-Testing Platforms for Glioma Cell Line Seda CEYLAN, Dilek GÖKTÜRK, Meryem Damla ÖZDEMİR, Didem DEMİR, Nimet BÖLGEN KARAGÜLLE
	15:15-15:30		275	DWT and Descriptive Features based Mammogram Classification for Breast Cancer Detection Muhammad Mohsin JADOON, Rizwan SADIQ, İhsan UI HAQ
	15:30-15:45		293	Analysis of Limbic System Volume with Atlas Based Volume Measurement Pipeline on Alzheimer Disease Muhammet Üsâme ÖZİÇ, Seral ÖZŞEN
	15:45-16:00		296	Finite Element Analysis of Biomechanical Performance of Spinal Rods in Different Geometries Yusuf Burak BOZKURT, Mevra ASLAN, Halim KOVACI, Ali Fatih YETİM, Ayhan ÇELİK
ENVIRONMENTAL ENGINEERING				
Farabi Hall				
Chairman: Prof. Arzu Y. DURSUN				
Time	14:45-15:00	Paper ID	115	Adsorption Properties Paenobacillus barcionensis (PB) and MgO (n-MgO) nanoparticles for Reactive Black 5 from Wastewater Nurullah AKCAN, Besi SERİN, Serhat UZAN, Fikret UYAR
	15:00-15:15		496	Removal of Phenol from Aqueous Solution by using Carbonized Peanut Hull Gülşad USLU, Evren ÇAKIROĞLU
	15:15-15:30		357	Performance, kinetics, and equilibrium of methylene blue adsorption from wastewater on herbal-based modified biochar Hasan SAYGILI, Fuat GÜZEL, Filiz KOYUNCU, Gülbahar AKKAYA SAYGILI, Cumali YILMAZ
	15:30-15:45		495	Removal of Lambda Cyhalothrin by Ralstonia eutropha in a Batch System: Effect of Carbon Starvation and Some Growth Conditions Gülşad USLU, İrem ÖZDEMİR ATAY
	15:45-16:00		499	Pb(II) Adsorption from Aqueous Solution by Low Cost Agro-Based Adsorbent – Grape Stalk Mehmet ERDEM, Halime DURAN
METALLURGICAL AND MATERIALS ENGINEERING				
MKM 1				
Chairman: Assoc. Prof.M. Deniz TURAN				
Time	14:45-15:00	Paper ID	298	Surface Design of Aluminium and Zinc Extrusion Dies Ahmet Batuhan YILMAZ, Asel Damla ŞİMŞEK, Fahri Kemal PATIR, Özgür ÇINAR, Burcu Nilgün ÇETİNER, Arif Nihat GÜLLÜOĞLU, Ayhan MERGEN
	15:00-15:15		331	Obtaining of Homogeneous Distributed B4Cp in Si3N4 Matrix Synthesised by CRN Process Fatih ÇALIŞKAN, Turgay TEHÇİ, Adem DEMİR, Zafer TATLI, Selçuk ŞİRİN
	15:15-15:30		343	The Design of New Type Mixer for More Efficient Powder Mixing Fatih ÇALIŞKAN, Harun GÜNGÖRDÜ, Zafer TATLI, Adem DEMİR, Yunus Emre ANTİKA
	15:30-15:45		439	Synthesis and Characterization of Photoluminescent Ho1.90Eu0.10Sn2O7 Material Erkul KARACA OĞLU, Esra ÖZTÜRK
	15:45-16:00		456	Characterization and Calcination of a Turkish Manganese ore Saeid POURNADERİ, Yavuz A. TOPKAYA, Naci SEVİNÇ
	16:00-16:15		469	Dissolution Behaviour of Base Metals in Ionic Liquid during Recovery of Valuable Metals from Anode Slime Mehmet Ali TOPÇU, Aydın RÜŞEN

FOOD ENGINEERING			
MKM 2			
Chairman: Prof. Cevdet AKOSMAN			
Time	14:45-15:00	Paper ID	307 Textural Parameters and Ultrastructural Changes of Banana which Applied to Osmotic Dehydration Pretreatment Ferit AK, Alper GÜVEN, Mükerrerem KAYA
	15:00-15:15		360 Recent Advances in Ultrasound and Microwave Assisted Extraction of Bioactive Compounds from Plant Food Processing by-Products Mehmet HAYTA, Elif Meltem İŞÇİMEN
	15:15-15:30		516 Evaluation of Presence of Staphylococcus Aureus and Enterotoxigenic Properties of Isolates by Multiplex PCR In Meat Samples Offered for Sale in Erzurum Province, Turkey Alper BARAN, Tamer TURGUT, M. Cemal ADIGÜZEL, Ahmet ERDOĞAN
	15:30-15:45		521 Sensory Quality and Food Composition of Fish Crackers Made from Oncorhynchus Mykiss Nermin KARATON KUZGUN, Ayşe GÜREL İNANLI
16:30-22:00		HARPUT TRİP AND SYMPOSIUM DINNER AT BALAKGAZİ RESTAURANT	

ID Number	Posters should be hanged during the Conference
	Session IV Time: 08:30-10:00
527	Preparation and Characterization of core-shell Ag/TiO ₂ Nanospheres Derya TEKİN, Taner TEKİN, Hakan KIZILTAŞ
265	Polymer/Clay Nanocomposites and Fluoropolymer Combinations: Interactions and Their Performance as Processing Aids Gökhan CEYHAN, Harun BODUR, Alaaddin GÜNDEŞ
280	Production and Characterization of FGMs with Al-Si Alloys by Using Centrifugal Casting Technique Merve Gizem ÖZDEN, Selçuk ŞİRİN, Adem DEMİR, Fatih ÇALIŞKAN, Zafer TATLI, Ebru YILMAZ
291	Galvanization of Aluminum in an Ionic Liquid Electrolyte Metin BEDİR, Mehmet Yakup HACİBRAHİMOĞLU, Abdulcabbar YAVUZ, Sarbaz Seyamand SALİH
301	Design of Electrospark Arc Deposition Instrument for Die Repair Ahmet Batuhan YILMAZ, Tutku KANTARCI, Eren YİĞİT, Burak DOĞU, İsmail TOPÇU, Özgür ÇINAR, Burcu Nilgün ÇINAR, Ayhan MERGEN
314	Investigation of Porosity Formation in a Pressure Die Casting of A360 Alloy by Using Simulation Technique Adem DEMİR, Selçuk ŞİRİN, Zafer TATLI, Fatih ÇALIŞKAN
335	Acceptance Criteria for Dual-Phase Steels Welded by Resistance Spot Welding Zafer TATLI, Yunus Emre ANTİKA, Fatih ÇALIŞKAN, Adem DEMİR, Harun GÜNGÖRDÜ
339	The Investigation of Welding on Armor Plate with Ferritic and Austenitic Filler Metal Zafer TATLI, Volkan YAKUT, Fatih ÇALIŞKAN, Adem DEMİR
340	Investigation on Infiltration of Etial 171 Alloy Into SiC Ceramic Foams Fatih ÇALIŞKAN, Ebru YILMAZ, Adem DEMİR, Zafer TATLI, Merve Gizem ÖZDEN
351	Highly Active Non-Enzymatic Hydrogen Peroxide and Glucose Detection Hilal ÇELİK KAZICI, Fırat SALMAN, Hilal Demir KIVRAK
428	The Synthesis of Poly(o-aminobenzylalcohol) on Stainless Steel Nureddin ÇOLAK, Sevcan YILMAZ, Ali Tuncay ÖZYILMAZ
429	Investigation of the effect of Oxalate and Tartrate concentration for passive layer formation on Carbon Steel Nureddin ÇOLAK, Gül ÖZYILMAZ, Ali Tuncay ÖZYILMAZ
430	Effect of Terpolymer Films on the Corrosion Protection of ZnFe Alloy Deposited Carbon Steel Ali Tuncay ÖZYILMAZ, Gül ÖZYILMAZ, İsmail Hakkı KARAHAN
431	Homopolymer Films on ZnFeCo Alloy Deposited Carbon Steel Electrode for Corrosion Protection Ali Tuncay ÖZYILMAZ, Gül ÖZYILMAZ, İsmail Hakkı KARAHAN
440	The Formation and Photoluminescent Properties of Europium Zirconate Pyrochlore (Eu _{1.90} Sm _{0.10} Zr ₂ O ₇) Erkul KARACAOĞLU, Esra ÖZTÜRK
470	The Antimicrobial Effect of Metal Borates on Escherichia Coli Mehmet Ali TOPÇU, Bahar YILMAZ, Adem SARILMAZ
526	Preparation and Characterization of Core-Shell ZnO/SiO ₂ Nanospheres Photocatalyst Derya TEKİN, Taner TEKİN, Hakan KIZILTAŞ
529	Investigation of Physicochemical Properties Such as Color, Shrinkage, Rehydration and Internal Structure of Hawthorn Fruit (Crataegus Spp.) Dried Serdar ARAL, Ayşe Vildan BEŞE
530	Preparation and Characterization of core-shell Fe ₃ O ₄ /SiO ₂ /TiO ₂ Nanospheres Photocatalyst and Investigation of Its Photocatalytic Activity on Methylene Blue Taner TEKİN, Derya TEKİN, Hakan KIZILTAŞ
531	Preparation and Characterization of TiO ₂ / SiO ₂ /Ag Nanospheres Photocatalyst and Investigation of Its Photocatalytic Activity on Methylene Blue Taner TEKİN, Derya TEKİN, Hakan KIZILTAŞ
217	Characterisation of Plasma Electrolytic Oxidation Coated Al-Ti Binary Alloys Mehmet TARAKÇI, Onur YUCAK, Yücel GENÇER

ID Number	Posters should be hanged during the Conference
	Session V Time: 10:20-11:50
43	Mercury(II) Removal from Aqueous Solutions by Pumice: An Application of Response Surface Methodology Şakir YILMAZ, Tekin ŞAHAN
45	Design and Optimization with Response Surface Methodology (RSM) of Co(II) Adsorption Conditions from Aqueous Solution onto Natural Pumice Şakir YILMAZ, Tekin ŞAHAN
46	Investigation of Mercury(II) Adsorption from Aqueous Solutions onto Mercapto-Modified Bentonite: Optimization Using Response Surface Methodology Funda EROL, Şakir YILMAZ, Tekin ŞAHAN
47	Adsorption of Pb(II) from Aqueous Solutions onto NaOH-Modified Polyporus Squamosus: Central Composite Design for Optimization of Process Variables Ümit ECER, Şakir YILMAZ, Tekin ŞAHAN
89	Adsorption of Malachite Green from Aqueous Solution onto Clay Muhammed ONAY, Çiğdem ÖZDEMİR
90	Determination of Optimum Conditions in Fixed Bed Dye Adsorption Onto Fly Ash Muhammed ONAY, Çiğdem ÖZDEMİR
118	Adsorption of Methylene Blue Onto Walnut Shell Çiğdem ÖZDEMİR, Kübra KARADAŞ
186	Kinetic Behaviour of Methylene Blue onto Hazelnut Husk Nizamettin DEMİRKIRAN, Merve DARDAĞAN, Kübra KARADAŞ, Çiğdem ÖZDEMİR, G. Deniz TURHAN ÖZDEMİR, Fatih GÜLEÇ
187	Equilibrium Studies for Adsorption Of Methylene Blue onto Hazelnut Husk Çiğdem ÖZDEMİR, Kübra KARADAŞ, Merve DARDAĞAN, Nizamettin DEMİRKIRAN, G. Deniz TURHAN ÖZDEMİR
323	Molecular Methods in Food Microbiology Şehriban UĞUZ, Seval ANDIÇ
413	Green synthesis of copper oxide nanoparticles (CuONPs) by using Myrtus communis leaves extract: Telon Blue AGLF adsorption Müjde HOCAOĞLU, Ayla ÖZER
65	A Medicinal-Aromatic Plant: Coriandrium sativum L. Memnune ŞENGÜL, Elif Feyza TOPDAŞ
67	Evaluation of Antioxidant Activity and Total Phenolic Compounds of Micromeria Fruticosa Elif Feyza TOPDAŞ, Memnune ŞENGÜL, Hacer ÜNVER
91	Sensorial Properties of Ice Creams Produced with Black Rose Hip, Seed Powder and Water Extracts Mustafa ŞENGÜL, Memnune ŞENGÜL, Elif Feyza TOPDAŞ
123	Purification and Characterization of Polyphenol Oxidase from Mentha pulegium Reyhan GÜL GÜVEN, Fatma MATPAN BEKLER, Ömer ACER, Kemal GÜVEN
316	A New and Emerging Food Processing Approach: High Hydrostatic Pressure Şehriban UĞUZ, Seval ANDIÇ
324	Biochemical Composition in a New Spredible Product Produced from Organic Milk Using Kefir Grains and Yoghurt Culture Zehra GÜLER, Ahmet DURSUN
361	Innovative Applications of Ultrasound To Prepare Protein Hydrolysates and Bioactive Peptides from Plant Materials Mehmet HAYTA, Elif Meltem İŞÇİMEN

ID Number	Posters should be hanged during the Conference
	Session VI Time: 13:00-14:30
208	Effect of Strength and Size of Donors on The Band Gap in Donor-Acceptor-Donor Type Polymers Gürçan GÖKÇE, Barış KARABAY, Atilla CİHANER, Merve İÇLİ ÖZKUT
209	Synthesis and Characterization of PdAgNi/CNT Catalysts for Formic Acid Electrooxidation Berdan ULAŞ, Hilal DEMİR KIVRAK, Hilal ÇELİK KAZICI, Aykut ÇAĞLAR
210	A Very Low Band Gap [1,2,5] Thiadiazolo [3,4-G] Quinoxaline-Based Donor-Acceptor-Donor Type Electrochromic Polymer Gürçan GÖKÇE, Barış KARABAY, Atilla CİHANER, Merve İÇLİ ÖZKUT
214	Dielectric and Thermal Properties Oo Poly[3,3,5,5-Tetrachloro-1,1-Bis{Spiro(2',2''-Dioxy-1'-1''-Biphenyl)l} Phosphazene] Kenan KORAN, Fatih BİRYAN, A. Orhan GÖRGÜLÜ
216	Dielectric Properties of Cu+2-Doped 6,7-Dihydroxy-3-(3-Chlorophenyl) Coumarin Compound Kenan KORAN, Fatih BİRYAN, A. Orhan GÖRGÜLÜ
234	Synthesis, Characterization and CO Poisoning Tolerance of PdAgNi/CNT Catalysts Berdan ULAŞ, Hilal DEMİR KIVRAK, Hilal ÇELİK KAZICI, Aykut ÇAĞLAR
250	Recovery of Nitrogen from Treated Wastewater Using Superabsorbent Hydrogel Tuba ERŞEN DUDU, Duygu ALPASLAN, Nahit AKTAŞ
253	Synthesis of Modified Superabsorbent Hydrogel and Their Environmental Applications Duygu ALPASLAN, Tuba ERŞEN DUDU, Nahit AKTAŞ
285	Structural and Optical Properties of GO@Sio2@Tio2 and GO@F3O4@Tio2 Nanocomposites for Photodiode Applications Serhan URUŞ, İbrahim KARTERİ, Alaaddin GÜNDEŞ, Feridun KOÇER

Time	Location: Fırat University Atatürk Cultural Center
09:00-12:00	 <p data-bbox="890 757 1356 784">CIGRE MEETING OF UNIVERSITIES</p>

Time	Location: Fırat University Congress Center
08:30-10:00	VIII. Parallel Session for Oral Presentations
10:00-10:20	Coffee Break
10:20-11:50	IX. Parallel Session for Oral Presentations and VII. Session for Poster Presentations
11:50-14:00	Lunch (Fırat University Social Center)
14:00-15:30	X. Parallel Session for Oral Presentations
15:30-22:00	Pertek Ferry Trip and Symposium Dinner at Keban Alabalık Restaurant

VIII. PARALLEL SESSION				
<i>(Location: Firat University Congress Center)</i>				
CIVIL ENGINEERING				
Mimar Sinan Hall				
Chairman: Prof. M. Emin EMİROĞLU				
Time	08:30-08:45	Paper ID	25	Usability of Nakayasu Synthetic Unit Hydrograph Method on Small Scale Turkish Basins Mahsum AYDIN, Tamer BAGATUR
	08:45-09:00		104	CFD Analysis of Ilisu Dam Sluice Outlet M. Cihan AYDIN, Ali Emre ULU, Çimen KARADUMAN
	09:00-09:15		286	The Non-linear Dynamic Analysis for Andiraz Dam With the Use of Euler Liquid-Structure Interaction Seçkin AYDIN, M. Cihan AYDIN, Ercan IŞIK, Aydın BÜYÜKSARAC
	09:15-09:30		303	Completion of Missing Data in Rivers Flow Measurement (Case Study Seydisuyu Basin) Recep BAKIŞ, Yıldırım BAYAZIT, Murat Mahmut DAĞHAN, Dost Mohammad AHMADY
	09:30-09:45		541	Investigation of Live-Bed Scour at Labyrinth Side Weirs Mustafa TUNÇ, M. Emin EMİROĞLU
CHEMICAL ENGINEERING				
Yusuf Has Hacıp Hall				
Chairman: Prof. Cevdet AKOSMAN				
Time	08:30-08:45	Paper ID	227	A Holistic Analysis of Biogas Energy and Its Potential Berrin KURŞUN
	08:45-09:00		378	Investigation of the Chemical Exergy of Torrifed lignocellulosic fuels using Artificial Neural Networks Uğur ÖZVEREN, Ömer Faruk DİLMAÇ, Mehmet Selçuk MERT, Fatma KARACA ALBAYRAK
	09:00-09:15		525	Removal of Hexavalent Chromium from Aqueous Solution by Using Activated Carbon Prepared from Triple Mixture in a Fixed-bed Column Şeyma YÜKSEL, Ramazan ORHAN
	09:15-09:30		380	Estimating the Chemical Exergy of Coal Using Nonlinear Model Uğur ÖZVEREN, Fatma KARACA ALBAYRAK
	09:30-09:45		55	Adsorption of Basic Blue 3 Dye Molecules from Aqueous Media By Sulfuric Acid-Activated Montmorillonite Mineral Şeyda TAŞAR, Fatih KAYA, Ahmet ÖZER
MECHANICAL ENGINEERING				
İbn-i Sina Hall				
Chairman: Assoc. Prof. Mete Onur KAMAN				
Time	08:30-08:45	Paper ID	418	The Effects of The Ratio of Tool Rotational Speed to the Welding Speed on the Welding Performance for Dissimilar Aluminum Alloys Şefika KASMAN
	08:45-09:00		419	Effect of Pin Geometry and Welding Speed to Tool Rotation Speed Ratio on The Welding Performance of AA7075 Aluminum Alloy Şefika KASMAN, Fatih KAHRAMAN
	09:00-09:15		432	Experimental and Numerical Buckling Analysis of U-Notched Composite Plates Kadir TURAN, Mete Onur KAMAN, Yeliz PEKPEY
	09:15-09:30		472	Investigation of Correlation of Vibration to Burr Height in Drilling Free form Surfaces Yusur Eren ERDOĞDU, Erkan BAĞÇE, Mehmet Emin TAĞLUK
	09:30-09:45		508	Effect of Hole Geometry on Buckling Behavior in Steel Plates Serkan ERDEM, Mustafa GÜR, Mete Onur KAMAN, Gurbet ÖRÇEN
	09:45-10:00		251	Numerical Investigation of Heat Transfer and Fluid Flow of Nanofluids with Impinging Jets Mustafa KILIÇ, Okan ÖZCAN

BIOENGINEERING				
Kaşgarlı Mahmud Hall				
Chairman: Assoc. Prof. İnanç ÖZGEN				
Time	08:30-08:45	Paper ID	375	In Vitro Corm Regeneration from Saffron (<i>Crocus sativus</i> L.) sprout Ayça ŞAHİNALP, Nazmi GÜR
	08:45-09:00		399	Investigation of The Cytotoxic Effect of Lavandula Dentate on Glioblastoma Cell Line M. Damla ÖZDEMİR, Dilek GÖKTÜRK
	09:00-09:15		471	Studies on the in Vitro Micropropagation of Fritillaria minuta Ayşegül ÇELİK, Ömer MUNZUROĞLU
	09:15-09:30		400	Evaluating Household Water Filtration Systems Rozelin AYDIN, Yağmur ATAKAV, Sema ŞİRİN
	09:30-09:45		405	Elliptic Filter Based Noninvasive Blood Pressure Analyze with LabVIEW Duygu KAYA, Mustafa TÜRK, Turgay KAYA
ENVIRONMENTAL ENGINEERING				
Farabi Hall				
Chairman: Assoc. Prof. Özge HANAY				
Time	08:30-08:45	Paper ID	206	A Relationship Between Physico-Chemical Properties Of The Soil And Selenium Speciation Abdullah ÖZKAN, Şana SUNGUR, Vildan ÖZKAN
	08:45-09:00		207	Productivity Parameters of Agricultural Lands of Hatay Province Abdullah ÖZKAN, Şana SUNGUR, Vildan ÖZKAN
	09:00-09:15		554	Arsenic Removal from Aqueous Solution by Using Magnetic Activated Carbon Prepared from the Mixture of Almond Shell, Apricot and Peach Stones by Chemical Activation Hawraz Luqman RAHMAN, Hatice ERDEM, Özlem AKÇAKAL, Mehmet ŞAHİN and Mehmet ERDEM
	09:15-09:30		356	Investigation on The Water Source Change by Using Gis Relationship Between Climate and Hydrology of Batman Province Site Turkey Yıldırım İsmail TOSUN, Yakup ANIT
	09:30-09:45		355	Compacted Geolayer Design from Coal Boiler Bottom Ash, Fly Ash and Geosynthetics-Bottom Seal Layer for Municipal Waste Landfill Yıldırım İsmail TOSUN
METALLURGICAL AND MATERIALS ENGINEERING				
MKM1				
Chairman: Prof. Ertan EVİN				
Time	08:30-08:45	Paper ID	23	Effect of Magnesium Additive Element on The Hydrogen Storage Characteristics of La-Ni Based Alloys Alanur BİNAL AYBAR, Mustafa ANIK
	08:45-09:00		27	The Influence of Silica Fume on Fly Ash Added Brick Properties Gülfem BİNAL, Ertuğrul ERDOĞMUŞ
	09:00-09:15		29	The Effect of Encapsulation Time on the Encapsulation Carbon of Boron Powder with CVD Method Haluk KORALAY, Naki KAYA, Şükrü ÇAVDAR, A. Tolga TASCİ, Özgür ÖZTÜRK, Burhanettin ÇİÇEK, Nihat TUĞLUOĞLU
	09:15-09:30		49	The Investigation of Structural Features of $Bi_{(1.8-x)}Pb_{0.2}Ga_xSr_2CaCu_2O_y$ Glass Ceramic Superconductivity Şükrü ÇAVDAR, Nihat TUĞLUOĞLU, Selçuk İZMİRLİ, Naki KAYA, Özgür ÖZTÜRK, Haluk KORALAY
	09:30-09:45		70	Preparation of Carbon Nanotube Decorated Fiber Reinforced Polymeric Composite Structures by Using Microwave Energy Selçuk POYRAZ

GEOLOGICAL ENGINEERING			
MKM2			
Chairman: Assoc. Prof. Dicle BAL AKKOCA			
Time	08:30-08:45	Paper ID	72 Organic Matter-Major-Trace Elements Relationship of The Derindere-1 Area, From Dadaş Formation, Bismil, Diyarbakır, Southeastern Turkey Dicle BAL AKKOCA, Ümit IŞIK
	08:45-09:00		142 Bioaccumulator Characteristic for Cu of Euphorbia Cyparissias Plants Growing in Red-Bed Type Cu Deposits, Yozgat, Turkey Güllü KIRAT, Nasuh AYDIN, Leyla KALENDER
	09:00-09:15		269 Occupational Health And Safety Issues In Layout Design Problem Of a Marble Processing Plant Yaşar Can ÖZBEL, Muharrem Kemal ÖZFIRAT
	09:15-09:30		485 Finite Impulse Response (FIR) for Chaotic Applications of Soil Radon Gas (222Rn) Miraç KAMIŞLIOĞLU, Fatih KÜLAHÇI
	09:30-09:45		459 Geochemical Characteristics Of Kesikköprü Granitoid (Central, Turkey) And Comparison With Skarn Related Granitoids Mustafa Haydar TERZİ, Erkan YILMAZER
10:00-10:20		COFFEE BREAK	

IX. PARALLEL SESSION			
(Location: Fırat University Congress Center)			
CIVIL ENGINEERING			
Mimar Sinan Hall			
Chairman: Assoc. Prof. Baha Vural KÖK			
Time	10:20-10:35	Paper ID	8 Geochemical Features and Study of the Usability as an Industrial Raw Material of Euphrates River Bank Sediments Between Palu and Keban Dam Lake Leyla KALENDER, Aynur IRMAK, Mehmet YILMAZ, Özge E. YAMAÇ
	10:35-10:50		178 A Research on Rheological Properties of Bitumen Modified by Molasses-Based Fly Ash Compound Şeyma ÖZTÜRK, Deniz ARSLAN, M. Kürşat ÇUBUK, Metin GÜRÜ
	10:50-11:05		270 Determination of the Resistance of Hot Mix Asphalt Samples Prepared Under Different Conditions Against Wheel Tracking Taner ALATAŞ, Mehmet YILMAZ, Baha Vural KÖK
	11:05-11:20		311 Surface Strain Response of Asphalt Pavement on Steel Bridge Deck Based on Static Loading Tests Jinting WU, Fen YE
	11:20-11:35		2 Effects of the Combined Use of Styrene-Butadiene-Styrene and Gilsonite in Bitumen Modification on The Stiffness and Thermal Sensitivity of Bitumens Özge ERDOĞAN YAMAÇ, Mehmet YILMAZ, Baha Vural KÖK
MECHANICAL ENGINEERING			
Yusuf Has Hacıp Hall			
Chairman: Prof. Vedat TANYILDIZI			
Time	10:20-10:35	Paper ID	446 Development of an Artificial Neural Network That Can Predict Pressure Drop in Pipes with Different Roughness Ahmet Beyzade DEMİRPOLAT, İsmail Hakkı ŞANLITÜRK, İhsan DAĞTEKİN, Haydar EREN
	10:35-10:50		22 CFD Modeling on Performance Comparison of PEM Fuel Cell With A Serpentine and A Straight Flow Channel Elif EKER KAHVECİ, İmdat TAYMAZ
	10:50-11:05		473 Design and Investigation of Impinging Jet Oven for Fabric Drying Celal KISTAK, Oktay HACIHAFIZOĞLU, Nevin ÇELİK
	11:05-11:20		491 Numerical Investigation of an Exhaust Muffler System Halil İbrahim YAMAÇ, Okan ÇELİK, Ömer Faruk CAN, Nevin ÇELİK
	11:20-11:35		103 Sliding Mode Based Control of a Triaxial MEMS Gyroscope Zeynep İLKILIC, Zühtü Hakan AKPOLAT, Gonca Özmen KOCA
11:35-11:50	394 Closed Loop Control of a Landing Gear System Mustafa Can BİNGÖL, Zühtü Hakan AKPOLAT, Gonca Ozmen KOCA		

INDUSTRIAL ENGINEERING				
İbn-i Sina Hall				
Chairman: Assist. Prof. Burcu FELEKOĞLU				
Time	10:20-10:35	Paper ID	358	Determination Student's Profiles of Engineering Faculty with Data Mining Method: A Sample of Kocaeli University Zerrin ALADAĞ, Atakan ALKAN, Elif Ecem ÇELTEK, Ayşegül DİNÇ
	10:35-10:50		102	Internal and External Factors Affecting Open Innovation Gül ÖZKAN, Burcu FELEKOĞLU
	10:50-11:05		211	Development and Implementation of Social Innovation Burcu FELEKOĞLU, Seren Özmehmet TAŞAN
	11:05-11:20		445	Multi-Site and Multi-Method Forecasting Modelling of Hospital Emergency Room Patient Arrivals Muhammet GÜL, Melih YÜCESAN, Erkan ÇELİK
	11:20-11:35		305	A Study of Adopter Categories among Healthcare Personnel in a Hospital in Turkey Çiğdem SICAKYÜZ, Oya Hacire YÜREĞİR
GEOLOGICAL ENGINEERING				
Kaşgarlı Mahmud Hall				
Chairman: Prof. Feyzi BİNGÖL				
Time	10:20-10:35	Paper ID	455	Petrographic and Geochemical Properties of Sarıcakaya (Eskişehir) Magmatic Mass Hacer BİLGİLİOĞLU, Bahattin GÜLLÜ
	10:35-10:50		155	Petrographic and Geochronologic investigation of Neogene Volcanites in Kınık (İzmir) area, NE Aegean (Turkey) Onur ALKAÇ, Hayrettin KORAL
	10:50-11:05		458	Comparison Of The Interpolation Methods For Evaluation And Presentation Of The Geochemical Data: Sarıcakaya Granitoidi (Eskişehir-Türkiye) Hacer BİLGİLİOĞLU, Süleyman Sefa BİLGİLİOĞLU, Bahattin GÜLLÜ
BIOENGINEERING				
Farabi Hall				
Chairman: Assist. Prof. Venhar ÇELİK				
Time	10:20-10:35	Paper ID	447	TDZ and Zeatin Effects on in Vitro Corm Production in Saffron (Crocus sativus L.) Nazmi GÜR, Ayça ŞAHİNALP
	10:35-10:50		438	Investigation of Infrared Drying of Mixed Algae Culture Mehmet KALENDER, Ahmet YAZICIOĞLU
	10:50-11:05		500	Dye Removing from Waters by Using Pyrolysis Residue of Activated Sludge Kübra GÖLEBATMAZ, H. Soner ALTUNDOĞAN, M. Şaban TANYILDIZI
	11:05-11:20		501	Gluconic Acid Production from Sugar Beet Molasses by Submerged Fermentation with <i>Aspergillus niger</i> Kübra GÖLEBATMAZ, H. Soner ALTUNDOĞAN, M. Şaban TANYILDIZI
BIOENGINEERING				
MKM 1				
Chairman: Prof. Hakan KALENDER				
Time	10:20-10:35	Paper ID	403	Diagnosis of Dysmorphic Syndromes from Facial Photographs Based on Machine Learning Techniques Merve ERKİNAY ÖZDEMİR, Ziya TELATAR, Osman EROĞUL, Yusuf TUNCA
	10:35-10:50		297	Structure and Tribological Properties of Titanium Oxide Films Fabricated by Thermal Oxidation, DC Plasma Oxidation, and by the Sol-Gel Onur ÇOMAKLI, Mustafa YAZICI, Tuba YETİM, Ali Fatih YETİM, Ayhan ÇELİK
	10:50-11:05		532	Population Development of <i>Zygina rhamni</i> (Ferrari, 1882) (Hemiptera: Cicadellidae) on vineyard in the Diyarbakır, Elazığ and Mardin provinces in Turkey İnanç ÖZGEN, Yusuf KARSAVURAN
	11:05-11:20		481	Internal Diseases Diagnosis Using Artificial Neural Networks Merve ERKİNAY ÖZDEMİR, Harun GEÇİRGEN

INDUSTRIAL ENGINEERING MKM 2 Chairman: Assist. Prof. Seren ÖZMEHMET TAŞAN			
Time	10:20-10:35	Paper ID	288 Metaheuristic Approach to Joint Preventive Maintenance and Dynamic Flexible Job Shop Scheduling Adil BAYKASOĞLU, Fatma Selen KARASLAN
	10:35-10:50		290 Analyzing the Effect of Machine Flexibility on the Scheduling Performance through Dynamic Job Shop Scheduling System Adil BAYKASOĞLU, Fatma Selen KARASLAN
	10:50-11:05		199 Investigation of The Companies' Perspective on Occupational Health and Safety Culture in Scope of Joint Health and Safety Agencies Seren ÖZMEHMET TAŞAN, Berkay TUNALI
11:50-14:00		LUNCH (FIRAT UNIVERSITY SOCIAL CENTER)	

X. PARALLEL SESSION (Location: <i>Furat University Congress Center</i>)			
CIVIL ENGINEERING Mimar Sinan Hall Chairman: Assoc. Prof. Taner ALATAŞ			
Time	14:00-14:15	Paper ID	490 Daily Temperature Change in Concrete Pavements, Albedo effect and Stress Analysis by 3D Finite Element Method Mehmet Tevfik SEFEROĞLU, Ayşegül Güneş SEFEROĞLU, Sedat SEVİN, Muhammet ÇELİK, Muhammet Vefa AKPINAR
	14:15-14:30		492 Comparison of the Cost, Construction and Benefit of the Innovative Steel Barriers and Embankment Walls in Trabzon Muhammet ÇELİK, Ayşegül Güneş SEFEROĞLU, Mehmet Tevfik SEFEROĞLU, Muhammet Vefa AKPINAR
	14:30-14:45		493 Thermal Stress Analysis of Concrete Pavement under Different Albedo Values Sedat SEVİN, Mehmet Tevfik SEFEROĞLU, Ayşegül Güneş SEFEROĞLU, Muhammet Vefa AKPINAR
	14:45-15:00		374 A Numerical Modelling on Shotcrete Strength and Excavation Depth in Tunneling Mustafa KANIK, Zülfü GÜROCAK
	15:00-15:15		460 Determination of friction angles between soil and steel - FRP piles H. Suha AKSOY, Mesut GÖR, Esen İNAL
	15:15-15:30		467 Investigation of the Properties of Warm Mix Asphalt Involving Organic Additive Ali TOPAL, Baha Vural KOK, Derya KAYA, Burak SENGOZ, Peyman AGHAZADEH DOKANDARI, Mehmet YILMAZ
ELECTRICAL - ELECTRONICS ENGINEERING Yusuf Has Hacıp Hall Chairman: Assist. Prof. Turgay KAYA			
Time	14:00-14:15	Paper ID	404 Protection Analysis of Surge Arresters and Isolators Against Overvoltages Caused by Lightning Electromagnetic Pulses Turan ÇAKIL, H. Feza CARLAK, Sukru ÖZEN
	14:15-14:30		245 Mapping Mobile Phone Based Electromagnetic Pollution in Muş City Centre Taha ETEM, Teoman KARADAĞ, Teymuraz ABBASOV
	14:30-14:45		289 Wideband Metamaterial Absorber Based Split Ring Resonator For Microwave Applications Mehmet BAĞMANCI, Oğuzhan AKGÖL, Olcay ALTINTAŞ, Muharrem KARAASLAN, Emin ÜNAL
	14:45-15:00		299 Broadband Metamaterial Absorber Based on Double Circle Ring Resonator loaded with Resistors for Microwave Energy Harvesting Mehmet BAĞMANCI, Emin ÜNAL, Olcay ALTINTAŞ, Muharrem KARAASLAN, Oğuzhan AKGÖL
	15:00-15:15		510 Multifunctional Sensor Applications in X Band Mehmet BAKIR, Muharrem KARAASLAN, Oğuzhan AKGÖL, Emin ÜNAL
	15:15-15:30		517 Microwave Metamaterial Absorber for Sensing Applications Mehmet BAKIR, Muharrem KARAASLAN, Oğuzhan AKGÖL, Emin ÜNAL, Cumali SABAH

COMPUTER ENGINEERING				
İbn-i Sina Hall				
Chairman: Assoc. Prof. Mehmet KARAKÖSE				
Time	14:00-14:15	Paper ID	313	Performance Analysis of Stochastic Fractal Search Algorithm for Global Optimization within Uni-modal and Multi Modal Benchmark Functions Feyza ALTUNBEY OZBAY, Bilal ALATAŞ
	14:15-14:30		315	Evaporation Rate Based Water Cycle Algorithm for Engineering Design Optimization Feyza ALTUNBEY OZBAY, Bilal ALATAŞ
	14:30-14:45		332	Deception Detection from Speech Signals Sami EKİCİ, Turgut KAVAS, Abdulkadir SENGUR, Yaman AKBULUT
	14:45-15:00		433	Performance Comparisons of Chicken Swarm Algorithm with Swarm Inspired Metaheuristic Algorithms in Unconstrained Benchmark Functions Elif VAROL, BİLAL ALATAŞ
	15:00-15:15		437	Performance Comparisons of Sports Inspired Metaheuristic Algorithms on Global Optimization Elif VAROL, Bilal ALATAŞ
	15:15-15:30		26	Genetic Algorithm Based Floor Planning System Hamide Ozlem DALGİC, Erkan BOSTANCI, Mehmet Serdar GUZEL
MECHANICAL ENGINEERING				
Kaşgarlı Mahmud Hall				
Chairman: Assoc. Prof. Şefika KASMAN				
Time	14:00-14:15	Paper ID	372	The Reinforcing Effect of Nylon 6,6 Nanofibrous Mats on GFRP Modified with Nanoparticles Subjected to Low Velocity Impact Vildan ÖZKAN, Murat YILDIZ, Ahmet YAPICI
	14:15-14:30		386	Assessment of Wind Characteristics Using Weibull Distribution in Muğla Sıtkı Koçman University Central Campus Faruk ŞEN, Ramazan ÖZKAN, Serkan BALLI, Ayşegül GÖKDEMİR
	14:30-14:45		414	Numerical Study on Heat Transfer Enhancement with Fins Between Horizontal Plates İlker GÖKTEPELİ, Ulaş ATMACA
	14:45-15:00		306	Modeling of Drying Performance of the Solar Collector Food Drying System with Artificial Neural Network Ebru KAVAK AKPINAR, Mehmet DAŞ
	15:00-15:15		454	Investigation of Effect of Coil Spring Turbulators to The Heat Transfer And Pressure Loss in a Concentric Heat Exchanger Sinan KAPAN, Ali TAŞKIRAN
OTHER ENGINEERINGS				
Farabi Hall				
Chairman: Assoc. Prof. A. Bedri ÖZER				
Time	14:00-14:15	Paper ID	160	The Effect of Using Carbon Fiber and Carbon Dust in Automotive Brake Pads İbrahim MUTLU, Muhammed ARSLAN, Muhammet Hüseyin GÜZEL, Abdullah MALAK
	14:15-14:30		201	Eco-Friendly Plant Moringa Oleifera Zehra Tuğba MURATHAN
	14:30-14:45		203	Determination of Self-incompatibility Mechanisms in Prunus Species by Modern Techniques Zehra Tuğba MURATHAN
	14:45-15:00		551	Investigation of Information Security Awareness Review Abdülkadir BİLEN, Ahmet Bedri ÖZER
	15:00-15:15		153	Microfluidic Chemical Sensor Applications by Using a Metamaterial Based Sensor Olçay ALTINTAS, Oguzhan AKGOL, Emin UNAL, Muharrem KARAASLAN, Murat AKSOY
	15:15-15:30		133	A Metasurface Polarization Converter Designed by Two Metallic Patches Placed in the Cross Corner of a Rectangular Loop Olçay ALTINTAS, Oguzhan AKGOL, Emin UNAL, Muharrem KARAASLAN, Murat AKSOY

ENVIRONMENTAL ENGINEERING				
MKM 1				
Chairman: Prof. Azize AYOL				
Time	14:00-14:15	Paper ID	522	Electricity Generation From Meat Processing Industry Sludge: Double Chamber Microbial Fuel Cell (Mfc) Application İdris BİRYOL, Azize AYOL
	14:15-14:30		523	Investigation of Gasification Potential of Leather Industry Treatment Plant Sludge Özgün TEZER, Alim GÜRGEN, Azize AYOL
	14:30-14:45		546	Effect of Polymer Additives on the Structure and Gas Transfer Performance of Polyvinylidene Fluoride (PVDF) Hollow Fiber Membranes by Wet Spinning Yunus AKSOY, Halil HASAR
	14:45-15:00		547	The Influence of Water Salt Content on Desalination Performance Ali ZOUNGRANA, İsmail H. ZENGİN, Doğan KARADAĞ, Mehmet ÇAKMAKCI
	15:00-15:15		412	Properties of Elazığ Organized Industrial District Wastewaters and Physicochemical Treatability Merva GÖRGÜLÜ, Ayhan ÜNLÜ
MECHANICAL ENGINEERING				
MKM 2				
Chairman: Prof. Vedat TANYILDIZI				
Time	14:00-14:15	Paper ID	310	Comparison of Thermal Efficiencies of Fixed and Moving Air-Heated Solar Collectors Modeled by Artificial Neural Network Mehmet DAŞ, Ebru KAVAK AKPINAR
	14:15-14:30		321	Prediction of The Thermal Conductivity of Lightweight Building Materials Utilizing Back-Propagation Neural Network Method Süleyman POLAT, Şehmus FİDAN, Hasan OKTAY
	14:30-14:45		326	Effects of Nanofluids on Heat Transfer and Fluid Flow with Impinging Jet Mustafa KILIÇ, Mahmut YAVUZ, İbrahim Halil YILMAZ
	14:45-15:00		352	Performance Comparison of Circular and Square Cross-Sectioned Helicoidal Heat Exchangers Using Experimental and CFD Analyses İbrahim Halil YILMAZ, Taha Tuna GÖKSU, Mustafa KILIÇ, Mehmet Sait SÖYLEMEZ
	15:00-15:15		365	Numerical Study of Fins and Thermo Electrics Placed in the Channel Ali TAŞKIRAN, İhsan DAĞTEKİN
	15:15-15:30		368	Fault Estimation on High Voltage Direct Current Transmission Using Hilbert-Huang Transform and Extreme Learning Machines Fatih ÜNAL, Sami EKİCİ
15:30-22:00			PERTEK FERRY TRIP AND SYMPOSIUM DINNER AT KEBAN ALBALIK RESTAURANT	

ID Number	Posters should be hanged during the Conference
	Session VII Time: 10:20-11:50
59	Effect of GLYMO/TEOS/MTEOS Sol-Gel Film Thickness on the Responses of Glucose Biosensor Nizamettin DEMİRKIRAN, Ergun EKİNCİ
60	TGA Analysis of Sol-Gel Films Containing GLYMO, TEOS and MTEOS for the Electrode Surface Modification Nizamettin DEMİRKIRAN, Meltem ASİLTÜRK, Ergun EKİNCİ
98	An Investigation on Refining of Terebinth (Pistacia terebinthus L.) Oil Fatih KAYA, Şeyda TAŞAR, Ahmet ÖZER
151	Kaolin Adsorption Performance for Cadmium Ions from Aqueous Solution Zümra BAKICI TANAYDIN, Mehmet Kayra TANAYDIN, Muharrem İNCE, Nizamettin DEMİRKIRAN
152	Effect of Concentration and Temperature on Dissolution of Copper, Zinc, and Iron from Malachite Ore in Aqueous Perchloric Acid Solutions Mehmet Kayra TANAYDIN, Nizamettin DEMİRKIRAN
154	Lead Ions Adsorption from Aqueous Solutions Using a Natural Adsorbent: Pumice Zümra BAKICI TANAYDIN, Mehmet Kayra TANAYDIN, Muharrem İNCE, Nizamettin DEMİRKIRAN
182	Investigation of Characterization and Photoactivity of MWCNT@Sio2@Tio2 And MWCNT@F3O4@Tio2 Nanocomposites Serhan URUŞ, İbrahim KARTERİ, Alaaddin GÜNDEŞ, Tuğba KARAKUŞ, Mahmut ÇAYLAR, Emine ÖZ
195	Determination of Propranolol in Blood Samples via Molecular Imprinted Whatman Papers Yeliz AKBULUT, Adem ZENGİN
197	Preparation of a Smart Surface for Determination of HIV DNA Fragment Yeliz AKBULUT, Adem ZENGİN, Eylem TURAN
198	SERS Detection of Polyaromatic Hydrocarbons on a β -Cyclodextrin Containing Polymer Brush Adem ZENGİN, Uğur TAMER, Tuncer CAYKARA
202	A New Plasmonic Device Made of Gold Nanoparticles and Temperature Responsive Polymer Brush on a Silicon Substrate Adem ZENGİN, Uğur TAMER, Tuncer CAYKARA
246	Recovery of Copper by Solvent Extraction from Leach Liquor after the Leaching of Malachite Ore in Aqueous Perchloric Acid Solutions Mehmet Kayra TANAYDIN, Nizamettin DEMİRKIRAN
272	Effect of the Reducing Agents on the Dissolution of the Manganese Powders Obtained from the Spent Alkaline Batteries Gülstan Deniz TURHAN ÖZDEMİR, Nizamettin DEMİRKIRAN
273	Investigation of the Dissolution Behaviors in Different Solvents of the Zinc and Manganese Powders Obtained from the Spent Alkaline Batteries Gülstan Deniz TURHAN ÖZDEMİR, Nizamettin DEMİRKIRAN
387	Analysis of Meteorological Wind Data of Milas (Muğla) District Faruk ŞEN, Taner AKKOYUNLU, Ramazan ÖZKAN
453	Optimization of Copper Cementation by Aluminum Using Response Surface Methodology Merve DARDAĞAN, Nizamettin DEMİRKIRAN, Gülstan Deniz TURHAN ÖZDEMİR