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OUTDOOR AIR QUALITY SULPHUR DIOXIDE IN ISTANBUL

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Abstract
The oxidation of sulphur dioxide (SO_2) emitted by natural processes or human activity affects atmosphere. If oxidation processes are not efficient, chemical composition of the atmosphere and biosphere can change. The oxidation of SO_2 produces H_2SO_4. SO_2 gases in atmosphere are removed by oxidizing chemical reactions naturally. Human activity may affect oxidation capacity because of increasing these gases in atmosphere. OH reaction destroys these gases. Therefore these gases are removed by reaction with OH. OH oxidizes SO_2 to sulfuric acid (H_2SO_4). H_2SO_4 reaches to biosphere or hydrosphere through rain. Free radicals in atmosphere have small amount but react fast and spread throughout atmosphere. SO_2 is one of the reactive radicals and has effect on the oxidation processes. It is important for atmospheric composition balance. From Marmara Clean Air Centre in Istanbul, SO_2 measurement values in Kandilli, Sultanbeyli, and Umraniye between March 1, 2013 and April 30, 2016 are evaluated in this study. The results obtained for SO2 were below the limit value in the air recommended by Turkish Government. Air quality is considered satisfactory, and air pollution poses little or no risk. The temperature was found to be significant factor compared to wind velocity and humidity influencing SO_2. SO_2 concentrations were increasing in winters compared to other seasons.
Key Words: *outdoor air quality; SO_2; oxidation; Istanbul*

Acknowledgements
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SCIENTIFIC PROGRAM

27 APRIL 2017-THURSDAY

15:00 – 18:00 : REGISTRATION

28 APRIL 2017-FRIDAY

08:30 - 17:00 : REGISTRATION

MAIN HALL : GRAND OPENING CEREMONY

09:30 – 10:00 : CONCERT / Live Performance by Young Musicians

10:00 – 10:20	**BREAK**

HALL 1

10:20 – 11:20

Welcome Speech : Assoc. Prof. Dr. Dolunay SAKAR DASDAN / Yıldız Technical University

Conference Chair

KEYNOTE SPEAKER : **DR.AGNIESZKA KACZOR**

Title: NOVEL ANTIPSYCHOTICS IDENTIFIED IN STRUCTURE BASED VIRTUAL SCREENING

11:20 –11:40	**COFFEE/ TEA BREAK**

HALL 1 / SESSION A

SESSION CHAIR	DR.AGNIESZKA KACZOR	
TIME	**TITLE**	**PRESENTER**
11:40 – 12:00	INVESTIGATION THERMAL AND MECHANICAL PROPERTIES OF PP/ BEECH FLOUR COMPOSITE	**Çiğdem KADI** Hatice AKGÜL EVLEN Aslı ÖZMERT
12:00 – 12:20	ZETASIZER MEASUREMENTS OF POLYMER-DRUG DELIVERY SYSTEM: POLY (MALEIC ANHYDRITE-CO-VINYL ACETATE) -ACRIFLAVINE CONJUGATE	**Dolunay SAKAR DASDAN** Azize DIZDAR Gulderen KARAKUS
12:20 – 12:40	THE EFFECTS OF ADDITIVES ON PARTICLE SIZE AND MORPHOLOGY ON BASO4 CRYSTALS	**Emel AKYOL** Egemen OYMAN
12:40 – 13:00	REMOVAL OF COPPER BY HYBRID GEL BEADS BASED ON BİOPOLYMERS AND PERLITE	**Ilknur KUCUK** Irem Ulutas

13:00 – 14:00	**LUNCH**

HALL 1 / SESSION B

SESSION CHAIR	ASSIST.PROF.DR.EMEL AKYOL	
TIME	**TITLE**	**PRESENTER**
14:00 – 14:20	ADSORPTION-DESORPTION CHARACTERISTICS OF XAD-7 RESIN FOR THE REMOVAL OF 4-NITROPHENOL	Ozge YILDIRIM **Dila KAYA** Nevim SAN
14:20 – 14:40	THE CONTROLLED RELEASE OF BOVINE SERUM ALBUMIN FROM POLYSACCARIDE BASED HYDROGEL BEADS	Selin SARIYER Dilek DURANOGLU **Özlem DOGAN** Ilknur KÜCÜK
14:40 – 15:00	TUNING THE MORPHOLOGICAL PROPERTIES OF HIERARCHICAL POROUS POLYESTER/ NANOCLAY COMPOSITES	**E. Hilal Mert**
15:00 – 15:20	THE COOPERATIVE EFFECT ON H_2SO_4...HNO_3...H_2O TERNARY SYSTEMS	**F.Mine BALCI**

15:20 –15:40	**COFFEE/ TEA BREAK**

HALL 1 / SESSION C

SESSION CHAIR	ASSIST.PROF.DR.OZLEM DOGAN	
TIME	**TITLE**	**PRESENTER**
15:40 – 16:00	SOLID-STATE CHARACTERIZATION OF POLY(ETHYLENE GLYCOL) SAMPLES PREPARED BY SOLVENT CAST TECHNIQUE	**Cemile ÖZDEMİR DİNÇ** Ali GÜNER
16:00 – 16:20	ELECTROPOLYMERIZATION AND CHARACTERIZATION OF SALOPHEN DERIVATIVE SCHIFF BASE CO(II) AND NI(II) COMPLEXES ON THE GRAPHITE ELECTRODE AND ELECTROCATALYTIC INVESTIGATIONS	**Didem ÇAKMAK**
16:20 – 16:40	SYNTHESIS OF SIC FROM POLY(SILYNE-CO-CARBYNE) UNDER CO_2 ATMOSPHERE	**Yusuf NUR** Gizem Emine BAYOL
16:40 – 17:00	METAL COMPLEXES OF PERIMIDINE AND SCHIFF BASE LIGANDS BEARING BOTH NAPHTHALENE AND CHROMONE MOIETIES: SYNTHESIS AND CATALYTIC ACTIVITY	**Neslihan BEYAZİT** Cahit DEMETGÜL

29 APRIL 2017-SATURDAY

09:00 - 17:00 : REGISTRATION

09:15 – 10:00
KEYNOTE SPEAKER **: Prof Dr. Tenhu HEIKKI**

(Head of Chemistry Department, University of Helsinki)

Title: **POLYMERIC HYBRID NANOMATERIALS**

10:00 –10:10	**BREAK**

HALL 1 / SESSION D

SESSION CHAIR	Prof Dr. TENHU HEIKKI	
TIME	**TITLE**	**PRESENTER**
10:10 – 10:30	RGO/ PEDOT NANOCOMPOSITE SYNTHESIS AND SUPERCAPACITOR APPLICATIONS	**Murat ATES** Sinan Caliskan Esin Ozten
10:30 – 10:50	INTERACTION OF PLATINUM BASED COMPLEXES WITH DNA AND DEVELOPMENT OF ELECTROCHEMICAL DNA BIOSENSORS	**İzzet KOÇAK** Ufuk YILDIZ Burak ÇOBAN Abdurrahman ŞENGÜL
10:50 – 11:10	MOLECULAR MODELLING OF 2-IMINOTHIAZOLES AS INSECTICIDAL ACTIVITY	**Asiye MERİÇ**

11:10 –11:30	**COFFEE/ TEA BREAK**

HALL 1 / SESSION E

SESSION CHAIR	Dr. AGNIESZKA KACZOR	
TIME	**TITLE**	**PRESENTER**
11:30 –11:50	PREPARATION AND APPLICATION OF TRACK-ETCHED NANOPORE MEMBRANES AND THEIR SENSOR APPLICATIONS	**Dila KAYA** Kaan KECECI
11:50 –12:10	INVESTIGATION OF HYDROXYAPATITE MORPHOLOGY AT DIFFERENT EXPERIMENTAL CONDITIONS	**Özlem DOGAN** Büsra BODUR
12:10 –12:30	GREEN SYNTHESIS OF SOME NOVEL BIOACTIVE BENZIMIDAZOLE DERIVATIVES	**Mustafa Kemal GÜMÜŞ** İnci Selin Doğan Burak Barut Arzu Özel Bahittin Kahveci
12:30 –12:50	SYNTHESIS OF NEW RH(I) AND RU(III) COMPLEXES AND İNVESTIGATION OF THEIR CATALYTIC ACTIVITIES ON OLEFIN HYDROGENATION IN GREEN REACTION MEDIGUENA	**Hakan ÜNVER** Filiz YILMAZ
12:50 –13:10	[MN(CO)$_3$(BPY)(2-CHLOROBENZYLBENZIMIDAZOLE)]OTF COMPLEX AS A NEW PHOTOACTIVATABLE CO-RELEASING MOLECULE	**Elvan ÜSTÜN**

13:10 –14:00	**LUNCH**

HALL 1 / SESSION F

SESSION CHAIR	Prof.Dr. MURAT ATES	
TIME	**TITLE**	**PRESENTER**
14:00 – 14:20	INFLUENCE OF PH ON THE BIOFUNCTIONALIZATION LEVEL OF POLY(ACRYLONITRILE-CO-GLYCİDYLMETHACRYLATE) NANOFIBERS	**Zarie, E.S.** Botcha, N. K Homaeigohar, S. Abdelaziz, R. Elbahri, M.
14:20 – 14:40	PRETREATMENTS AND TEMPERATURE EFFECTS ON THE DRYING KINETICS OF PEAS	Ibrahim DOYMAZ **Ilknur KUCUK**
14:40 – 15:00	OUTDOOR AIR QUALITY SULPHUR DIOXIDE IN ISTANBUL	**Esin BOZKURT** Burak DİNÇER
15:00 – 15:20	SYNTHESES, STRUCTURAL CHARACTERIZATIONS OF *CIS*- AND *TRANS*-DISPIROCYCLIC FERROCENYLPHOSPHAZENES	**Yasemin TÜMER** Nuran ASMAFİLİZ Zeynel KILIÇ Tuncer HÖKELEK

15:20 –15:40	**COFFEE/ TEA BREAK**

HALL 1 / SESSION G

SESSION CHAIR	Assoc.Prof.Dr.E. HİLAL MERT	
TIME	**TITLE**	**PRESENTER**
15:40 -16:00	A FIBROUS SOLID ELECTROLYTE FOR LITHIUM-ION BATTERIES	**Salim EROL**
16:00 – 16:20	RGO/PTH NANOCOMPOSITE SYNTHESIS AND ITS SUPERCAPACITOR PERFORMANCES	**Murat ATES** Sinan Caliskan Esin Ozten
16:20 – 16:40	CONTROLLED RELEASE OF DONEPEZIL HYDROCHLORIDE FROM HYDROGELS HAVING DIFFERENT PROPERTIES	**Emel AKYOL** Şebnem ŞENOL Özlem DOĞAN AYDENİZ

HALL 2 / SESSION H - POSTER

SESSION CHAIR	Assoc.Prof.Dr.YELDA YALCIN GURKAN	
TIME	TITLE	PRESENTER
16:40 – 17:40	A STUDY ON SOME MANGANESE (II) COMPLEXES	**Alaattin Güven** Esra Su İbrahim Kani
	SYNTHESIS AND ANTIMICROBIAL ACTIVITIES OF SOME NEW HYDRAZONES AND SEMICARBAZONES	Aysema SAYIK **Ayse Serguzel YUSUFOGLU**
	LIPASE AND TYROSINASE INHIBITORY ACTIVITIES OF AMARANTHUS LIVIDUS L.	Ozlem SACAN **Ayse CAN** Tugba YILMAZ OZDEN Refiye YANARDAG
	INFLUENCE OF STORAGE TIME AND TEMPERATURE ON THE ACTIVITY OF UREASE	Burcin Alev Sevim Tunalı Refiye Yanardag **Aysen Yarat**
	DEVELOPMENT OF PAPER-BASED COLORIMETRIC UREA STRIP	Burcin Alev Memet Vezir Kahraman **Aysen Yarat**
	OPTIMIZATION OF ULTRASOUND–ASSISTED EXTRACTION OF ANTIOXIDANTS FROM FENUGREEK SEEDS AND COMPARISION WITH CONVENTIONAL METHOD	Merve BAT **Ayşegül PEKSEL** Şule DİNÇ-ZOR Güzin ALPDOĞAN
	INVESTIGATION ON STRUCTURAL, ELASTIC AND THERMODYNAMIC PROPERTIES OF $MGNI_3$ INTERMETALLIC COMPOUND	**Boubeker OTHMANI** Said BOUCETTA
	ANTIBODY IMMOBILIZATION ON TO AMINE FUNCTIONAL MAGNETIC NANOPARTICLES	Makbule Pelin MUHSIR **Basak YUCE-DURSUN** Özkan DANIŞ Serap DEMIR Emrah CAKMAKCI
	IMMOBILIZATION OF LIPASE ONTO PHOTOCROSSLINKED INTERPENETRATING POLYMER NETWORK	**Basak YUCE-DURSUN** Asli Beyler CIGIL Özkan DANIŞ Serap DEMIR Memet Vezir KAHRAMAN
	DETERMINATION and VALIDATION of DIBUCAINE HCl, FLUOCORTOLONE PIVALATE and FLUOCORTOLONE CAPROATE in PHARMACEUTICAL PREPARATION by HPLC	**Bürge Aşçı** Mesut Koç

	SYNTHESIS AND CHARACTERİZATION OF SOME BENZO[A]PHENAZINE-5-ONES DERIVATIVES	**Cigdem SAYIL** Nahide Gulsah DENIZ
	CYCLIZATION REACTIONS OF NAPHTHOQUINONES TO BENZO[A]PHENOXAZIN-5-ONES	**Cigdem SAYIL** Nahide Gulsah DENIZ
	HIERARCHICAL POROUS POLYHIPE/CLAY COMPOSITES	**E. Hilal Mert** Sinan Şen
	DEVELOPMENT OF UPLC-ESI-MS/MS ANALYTICAL METHOD FOR QUINOLONE ANTIBIOTICS ANALYSIS IN HONEY	**Ece KÖK YETİMOĞLU** İsmail Emir AKYILDIZ
	ADSORPTIVE PROPERTIES OF METHACRYLATE BASED POLYHİPE COMPOSITES	**Elif YÜCE** E.Hilal Mert inan Şen Semih Saygi Nevim San
	HIGH MECHANICAL STRENGTH BIODEGRADABLE POLYMER FOAMS VIA COLLOIDAL TEMPLATING	**Fatma Nur PARIN** E. Hilal Mert
	REACTION MECHANISM OF STRONTIUM COBALTITE FORMATION DURING HEATING OF EQUIMOLAR MIXTURE OF STRONTIUM NITRATE AND COBALT NITRATE	**İbrahim YUSUFOGLU** Cemal ASLAN Cem KAHRUMAN
	PREVENTION OF VALPROIC ACID INDUCED GASTRIC DAMAGE BY ALPHA LIPOIC ACID	**Ismet Burcu TURKYILMAZ** Refiye YANARDAG
	RESVERATROL PROTECTS AGAINST IRRADIATION-INDUCED SMALL INTESTINE DAMAGE IN RATS	**Ismet Burcu TURKYILMAZ** Goksel SENER Refiye YANARDAG
	ANTIMICROBIAL ACTIVITIES OF SOME COMPOUNDS ANALOGOUS TO MORANTEL	**Kıymet GÜVEN** Asiye MERİÇ
	UV-CURABLE MICROENCAPSULATED ORGANIC-INORGANIC HYBRID PHASE CHANGE MATERIALS	**Memet Vezir KAHRAMAN** Emre BAŞTÜRK
	A NOVEL MAGNETIC POROUS RESIN FOR REMOVAL OF PHENOL FROM AQUEOUS SOLUTION	**Mustafa GAZI** Jalil HEYDARIPOUR Hayrettin Ozan GULCAN
	EXTRACTION OF COLLAGEN FROM FOOD WASTE AND THE PREPARATION OF POLYHYDROXYALKANOATE COMPOSITES	**Özkan DANIŞ** Mathias Wesamba WAFULA Basak YUCE-DURSUN Serap DEMIR Emrah CAKMAKCI
	IMMOBILIZATION OF PECTINASE VIA CLICK REACTION ON AMBERLITE XAD-4 RESINS	Emrah CAKMAKCI **Özkan DANIŞ** Dincer HOCAOGLU Basak YUCE-DURSUN

		Serap DEMIR
	INHIBITION OF ANTIACETYLCHOLINESTERASE ACTIVITIES OF SOME MEDICINAL PLANTS	**Refiye Yanardag** Nayat Orak
	EFFECTS OF EDARAVONE ON LENS INJURY INDUCED BY VALPROIC ACID	Hatice Alabak Neziha Hacıhasanoglu Çakmak **Refiye Yanardag**
	DEVELOPMENT OF FLUORESCENCE SENSOR FOR THE DETERMINATION OF ORGANOPHOSPHORUS BASED PESTICIDES	**Soner ÇUBUK** Ece KÖK YETİMOĞLU Memet Vezir KAHRAMAN
	THERAPEUTIC ROLE OF A-LIPOIC ACID, VITAMIN E AND SELENIUM COMBINATION IN LIVER OF DIABETIC MICE	Ayse KARATUG-KACAR Onur ERTIK Zeynep Mine COSKUN Sema BOLKENT Refiye YANARDAG **Sehnaz BOLKENT**
	EXAMINATION OF ANTIBACTERIAL AND PHOTODYNAMIC EFFECTS OF SOME PLANT EXTRACTS	**Serap Akyuz** Ozlem Moufti Chousein Ozlem Sacan Refiye Yanardag Sadık Kalaycı Aysen Yarat Fikrettin Sahin
	A GLASSY CARBON ELECTRODE MODIFIED WITH MWCNTS AND CALIX[4]ARENE FOR THE DETECTION OF TRACE CADMIUM (II)	**Semahat KÜÇÜKKOLBAŞI** Aygen DEMIR Serkan SAYIN Mustafa YILMAZ
	FIRST DERIVATIVE UV - SPECTROPHOTOMETRY FOR THE SIMULTANEOUS DETERMINATION OF AMLODIPIN BESILAT AND VALSARTAN IN COMBINED TABLET DOSAGE FORMS	**Semahat KÜÇÜKKOLBAŞI** Hasan UYSAL Zehra Özden ERDOĞAN

17:50 – 20:30	**CITY TOUR**

30 APRIL 2017-SUNDAY

09:00-14:00 : REGISTRATION

HALL 1 / SESSION I

SESSION CHAIR	Prof.Dr. Onur ATAKISI	
TIME	TITLE	PRESENTER
09:00 – 09:20	SYNTHESIS AND INVESTIGATION OF ANTIOXIDANT ACTIVITIES OF NOVEL 3-ALKYL(ARYL)-4-[4-METHOXY-3-(4-NITROBENZOXY)-BENZYLIDENAMINO]-4,5-DIHYDRO-1H-1,2,4-TRIAZOL-5-ONES	**Şule BAHÇECİ** Özlem GÜRSOY KOL Murat BEYTUR Nuri YILDIRIM Haydar YÜKSEK
09:20 – 09:40	LIPOPOLYSACCHARIDE TREATMENT CHANGES PLASMA TOTAL OXIDANT AND ANTIOXIDANT CAPACITY ON A TIME DEPENDENT MANNER IN RABBITS	**Emine ATAKIŞI** Onur ATAKISI Canan GULMEZ Kezban YILDIZ DALGINLI
09:40 – 10:00	THEORETICAL STUDIES ON THE MOLECULAR STRUCTURE, CONFORMATIONAL AND VIBRATIONAL ANALYSIS OF 4-(METHOXYCARBONYL) PHENYLBORONIC ACID	**Güventürk UĞURLU** Hacali NECEFOĞLU
10:00 – 10:20	SYNTHESIS AND IN VITRO ANTIOXIDANT PROPERTIES OF NEW 3-ALKYL(ARYL)-4-[3-ETHOXY-4-(BENZENESULFONYLOXY)-BENZYLIDENAMINO]-4,5-DIHYDRO-1*H*-1,2,4-TRIAZOL-5-ONES	**Haydar YÜKSEK** Gül ÖZDEMİR Özlem GÜRSOY-KOL
10:20 – 10:40	THEORETICAL INVESTIGATIONS ON THE LINEAR, NONLINEAR OPTICAL, STRUCTURAL AND ELECTRONIC PROPERTİES OF NICOTINIC ACID AND ITS DERIVATIVES	**Hacali NECEFOĞLU** Güventürk UĞURLU
10:40 – 11:00	GAUSSIAN CALCULATIONS OF NOVEL 3-METHYL/ ETHYL/ n-PROPYL-4-[3-ETHOXY-4-(4-METHOXYBENZOXY)-BENZYLIDENAMINO)-4,5-DIHYDRO-1H-1,2,4-TRIAZOL-5-ONES	**Hilal MEDETALIBEYOĞLU** Haydar YÜKSEK

11:00 –11:20	**COFFEE/ TEA BREAK**

HALL 1 / SESSION J

SESSION CHAIR	Prof. Dr. HAYDAR YÜKSEK	
TIME	TITLE	PRESENTER
11:20 – 11:40	ACUTE PHASE PROTEINS and BIOCHEMICAL and OXIDATIVE STRESS PARAMETERS in *HYPODERMA Spp.* INFESTED CATTLE	Oguz MERHAN **Kadir BOZUKLUHAN** Halil Ibrahim GOKCE
11:40 – 12:00	SYNTHESIS, ANTIOXIDANT AND ANTIMICROBIAL PROPERTIES OF NEW MANNICH BASES CONTAINING 1,2,4-TRIAZOLE MOIETY	**Özlem GÜRSOY KOL** Haydar YÜKSEK Sevda MANAP Fevzi AYTEMİZ Muzaffer ALKAN
12:00 – 12:20	IN-VITRO ANTIOXIDANT AND BIOLOGICAL ACTIVITIES OF SOME NEW 1,2,4-TRIAZOLE DERIVATIVES WITH THEIR POTENTIOMETRIC TITRATIONS	**Özlem AKTAŞ YOKUŞ** Haydar YÜKSEK Sevda MANAP Fevzi AYTEMİZ Muzaffer ALKAN
12:20 – 12:40	EFFECTS OF DIETARY ZINC AND L-ARGININE SUPPLEMENTATION ON TOTAL ANTIOXIDANTS CAPACITY, LIPID PEROXIDATION, NITRIC OXIDE, EGG WEIGHT, AND BLOOD BIOCHEMICAL VALUES IN JAPANASE QUAILS	**Onur ATAKİŞİ** Emine ATAKİŞİ Asım KART
12:40 – 13:00	SYNTHESIS, NON-AQUEUS MEDIUM TITRATIONS, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF SOME NEW 4-[(3-ALKYL(ARYL)-5-OXO-4,5-DIHYDRO-1H-1,2,4-TRIAZOL-4-YL)-IMINOMETHYL]-PHENYL 3-METHOXYBENZOATES	**Murat BEYTUR** Haydar YÜKSEK Muzaffer ALKAN

13:00 14:00	**LUNCH**

HALL 1 / SESSION K - POSTER

SESSION CHAIR	ASSOC.PROF.DR.DOLUNAY ŞAKAR DAŞDAN	
TIME	TITLE	PRESENTER
14:00 – 15:00	VOLTAMMETRIC DETERMINATION OF SOME HEAVY METALS USING A CARBON PASTE ELECTRODE MODIFIED WITH ASPERGILLUS NIGER LOADED ON TiO_2 NANOPARTICLES	**Doruk AKDOĞAN** Hüsnü CANKURTARAN Ayşegül PEKSEL Güzin ALPDOĞAN
	AN INVESTIGATION ON THE STABILITY BEHAVIOUR OF POLY (MALEIC ANHYDRITE-CO-METHYL METHACRYLATE) COPOLYMER IN DIFFERENT pHs and MEDIUMS	Yesim KARAHAN Gamze TOSUN **Dolunay SAKAR DASDAN** Gulderen KARAKUS
	SYNTHESIS AND CHARACTERIZATION OF NOVEL HOMO AND HETERODINUCLEAR BALL-TYPE PHTHALOCYANINES*	**Esra KAKI** Ahmet ALTINDAL Bekir SALİH Özer BEKAROĞLU
	ZETASIZER MEASUREMENTS OF POLYMERS	**Gaye GUNGOR** Gamze TOSUN Yesim KARAHAN Dolunay SAKAR DASDAN Gulderen KARAKUS
	INVESTIGATION OF INHIBITION EFFECT OF S-(2-HYDROXETHYL)-4 METHYL-TRIAZOLE COMPOUND TOWARDS STAINLESS STEEL CORROSION IN ETHYLENE GLYCOL-WATER SOLUTION	Burcu TİMUR Mehmet ERBİL **İlyas DEHRİ**
	INHIBITION EFFICIENCY OF POLYACRYLIC ACID ON MILD STEEL CORROSION	Gökmen SIĞIRCIK Ayşen SARI Mehmet ERBİL **İlyas DEHRİ**
	DEVELOPMENT, VALIDATION AND QUANTITATION OF CANDESARTAN in HUMAN PLASMA BY LIQUID CHROMATOGRAPHY AND FLUORESCENCE DETECTION	**Mohammed F. ZAATER**
	THERMAL STABILITY AND ELASTIC PROPERTIES OF $MG_3CUH_{0.6}$ TERNARY HYDRIDE	**Said BOUCETTA** Boubakeur OTHMANI
	POLYURETHANE NANOCOMPOSITE MATERIALS CONTAINING PHOSPHORUS	**Sevim KARATAŞ**

	AND FLUORINE AND THEIR COATING APPLICATIONS	Gökhan TOPÇU
	SYNTHESIS AND CHARACTERIZATION OF 3-PHENYLOXYACETİC ACID SUBSTITUTED PHTHALOCYANINES	Betül KOCABIYIK **Ümit SALAN**
	COUMARIN SUBSTITUTED METAL-FREE, ZINC(II), COBALT(II) AND INDIUM(III) PHTHALOCYANINES: ELECTROCHEMICAL AND ELECTROCATALYTIC PROPERTIES	Efe B. Orman Asiye Gök Mustafa Bulut Ali R.Özkaya **Ümit SALAN**
	THE ANALYSIS of REACTION KINETICS of ACETAMIPRID MOLECULE THROUGH DFT CALCULATION METHOD	Bahar EREN **Yelda YALCIN GURKAN**
	DEGRADATION OF BENIDIPINE: EXPERIMENTAL AND THEORETICAL	**Yelda YALCIN GURKAN** Ayca KARASAKAL