

16 May 2022 Monday

MORNING COFFEE BREAK 10:30 – 11:00

Welcome Speech :Assoc. Prof. Dr. Dolunay SAKAR DASDAN, Yıldız Technical University
11:00 – 11:10 Conference Chair

SESSION A (11:10 – 13:20)

SESSION CHAIR:

Assoc. Prof. Dr. Dolunay SAKAR DASDAN

Invited Speech (11:10 – 12:00)

Prof. Dr. Huriye İCİL

Keynote Title : *TWO NOVEL TRIAZINE-BASED PERYLENE DYE MOLECULES*

12:00 – 12:20

PAPER TITLE : *POLLUTION CHARACTERISTICS OF LIFETIME LUNG CANCER RISK ON PM2.5-ASSOCIATED PAHS*

AUTHOR(S) : **Amgalan NATSAGDORJ**, Bulgankhangai.TUGSBAYAN, Soyol-Erdene.TsEREN-OCHIR, JiYi LEE, Yong Pyo KIM

12:20 – 12:40

PAPER TITLE : *THE INVESTIGATION OF CHARACTERIZATION OF THE ACTIVATED CARBON PRODUCED FROM PISTACHIO SHELL ON DIFFERENT TEMPERATURES*

AUTHOR(S) : **Hacer DOLAS**

12:40 – 13:00

PAPER TITLE : *GASEOUS OXIDIZED MERCURY CALIBRATION SOURCES: A REVIEW*

AUTHOR(S) : Matthew Davis, **Julia LU**

13:00 – 13:20

PAPER TITLE : *PREPARATION OF MODIFIED POLYETHERSULFONE MEMBRANES FOR HEMODIALYSIS*

AUTHOR(S) : **Özgür Şevval KAHRAMAN**, May Thazin PHOO, İlknur KÜÇÜK, Ayça HASANOĞLU

LUNCH BREAK 13:20 – 14:30

Information for regular participation; Lunch is included into Salamis Hotel Accommodation

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INTERNATIONAL CONFERENCE ON NEW TRENDS IN CHEMISTRY

SESSION B (14:30 – 16:20)

SESSION CHAIR:

Prof. Dr. Huriye İÇİL

E - Keynote Speaker (14:30 – 15:20)

Dr. Hatem AMIN

Keynote Title: *Biosynthesis of stabilized silver nanoparticles and their application as sensing probes and as antibacterial and antioxidant agents*

15:20 – 15:40

PAPER TITLE : *SYNTHESIS OF ZINC OXIDE NANOPARTICLES USING FICUS THONNINGII AQUEOUS EXTRACT AND EVALUATION OF ITS ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES*

AUTHOR(S) : **Huzaifa UMAR**, Doga Kavaz, Amina Lawan Abubakar, Maryam Rabiu Aliyu, Nahit Rizaner

15:40 – 16:00

PAPER TITLE : *SYNTHESIS AND CHARACTERIZATION OF POLY(ISOBUTYLENE-ALT-MALEIC ANHYDRIDE)-PREGABALIN COPOLYMER-DRUG DELIVERY SYSTEM in CATALYST/ CATALYST FREE MEDIA*

AUTHOR(S) : Rabia Nur Can, **Dolunay ŞAKAR DASDAN**

16:00 – 16:20

PAPER TITLE : *DEVELOPMENT OF A CARBON TUNGSTATE COMPOSITE FROM OLIVE MILL WASTEWATER FOR ADSORPTION AND SEPARATION OF CONTAMINANTS in AQUEOUS ENVIRONMENTS*

AUTHOR(S) : **Issam MECHNOU**, Imane Mourtah, Laurent Lebrun, Miloudi Hlaibi

COFFEE BREAK 16:20 – 16:40

Gala Dinner at Kybele Restaurant / Bellapais

Salamis Hotel Departure: 18:30

**Gala Dinner invitation is valid only for Full Registration Package holders.
For Extra Gala Dinner Ticket please contact conference registration desk.**

17 May 2022 Tuesday

SESSION C (10:00 – 11:40)

SESSION CHAIR:

Prof.Dr. Julia LU

Invited Speaker (10:00 – 10:40)

Assoc.Prof.Dr. Akeem Adeyemi OLADIPO

Keynote Title : *BIO-BASED DYES AND BIOWASTES FOR SOLAR ENERGY HARVESTING AND STORAGE SYSTEMS*

10:40 – 11:00

PAPER TITLE : *HEMOCOMPATIBILITY STUDIES OF LAYER-BY-LAYER POLYELECTROLYTE COMPLEXES FOR BIOBASED POLYMERS*

AUTHOR(S) : **Mthabisi Talent George MOYO**, Oğuz Han EDEBAL, Ece BAYIR, Aylin ŞENDEMİR, Terin ADALI

11:00 – 11:20

PAPER TITLE : *SYNTHESIS OF POLYFUNCTIONALIZED STEROIDAL HETEROCYCLIC DERIVATIVES AS POTENTIAL ANTIMICROBIAL DRUG*

AUTHOR(S) : Ahmad Q Daraosheh; **Khaled Q SHAWAKFEH**

11:20 – 11:40

PAPER TITLE : *COMPUTATIONAL EXAMINATION OF DEGRADATION REACTIONS OF BUPROFEZIN*

AUTHOR(S) : **Simal KURUMOGLU**, Yelda YALCIN GURKAN

COFFEE BREAK 11:40 – 12:00

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SESSION B (12:00 – 13:20)

SESSION CHAIR:

Assoc. Prof. Dr. Akeem Adeyemi OLADIPO

12:00 – 12:20

PAPER TITLE : *SILICA XEROJEL SYNTHESIS WITH DRYING CONTROL CHEMICAL ADDITIVE*

AUTHOR(S) : Filiz AKTI, Suna BALCI

12:20 – 12:40

PAPER TITLE : *POSSIBLE REACTION PATHWAYS OF THE SELECTED ORGANOPHOSPHORUS AND CARBAMATE PESTICIDES ACCORDING TO THE DFT CALCULATION METHOD*

AUTHOR(S) : Bahar EREN, Yelda YALCIN GURKAN

12:40 – 13:00

PAPER TITLE : *NON-TOXIC AND HEMOCOMPATIBILITY NANOCARRIER DERIVED FROM POLYGALACTURONIC ACID FOR SUSTAINABLE DRUG DELIVERY*

AUTHOR(S) : Selin S SUNER

13:00 – 13:20

PAPER TITLE : *RESERVOIR CHARACTERISTICS OF THE KUSURİ FORMATION SANDSTONES IN THE ZONGULDAK SUB-BASIN OF WEST BLACK SEA, TURKEY*

AUTHOR(S) : Aylin GEÇER, Aynur BÜYÜKUTKU

LUNCH BREAK 13:20 – 14:30

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POSTER SESSION (14:30 – 15:30)

SESSION CHAIR: Prof.Dr.Julia LU, Prof.Dr.Huriye İCİL,
Prof.Dr.Suna BALCI, Assoc.Prof.Dr.Akeem Adeyemi
OLADIPO

14:30 – 15:30

- PAPER TITLE : *SYNTHESIS AND BIOLOGICAL EVALUATION OF NOVEL N-SUBSTITUTED BENZIMIDAZOLE DERIVED SCHIFF BASES*
AUTHOR(S) : **Anja BEČ**, Maja CINDRIĆ, Emina MEHIĆ, Leentje PERSOONS, Dirk DAELEMANS, Marijana HRANJEC
- PAPER TITLE : *AN ECO-FRIENDLY SYNTHESIS OF NOVEL 2-ARYL BENZOXAZOLE DERIVATIVES*
AUTHOR(S) : **Anja RAKAS**, Silvana RAIĆ-MALIĆ , Tatjana GAZIVODA KRALJEVIĆ
- PAPER TITLE : *PERYLENE DIIMIDE BASED INTERLAYER FOR APPLICATION IN PEROVSKITE SOLAR CELLS*
AUTHOR(S) : **Arwa ABOU RAJAB**, Sermet KOYUNCU, Huriye İCİL
- PAPER TITLE : *A WATER-SOLUBLE NDI DERIVATIVE AS A CHEMOSENSOR FOR THE DETECTION OF HEAVY METAL CATIONS*
AUTHOR(S) : **Arwa ABOU RAJAB**, Sermet KOYUNCU, Huriye İCİL
- PAPER TITLE : *MICROWAVE ASSISTED SYNTHESIS OF SOME 2(3H)-BENZOXAZOLONE DERIVATIVES*
AUTHOR(S) : **Banu KESANLI**, Yusuf MULAZIM, Suleiman Yusif SULE, Jamilu Alhaji AMINU
- PAPER TITLE : *SYNTHESIS, CHARACTERIZATION AND ACTIVITY STUDIES ON PIPERAZINE SUBSTITUTED IMIDAZOLES*
AUTHOR(S) : **Banu KESANLI**, Lubna MUFLIH, Salam QULMANY, Betty OZOGBUDA
- PAPER TITLE : *STABILITY INVESTIGATION OF PAA-BSA BIOCONJUGATE AND PAA-CU⁺²-BSA TERNARY BIOCOMPLEX IN DIFFERENT pHs AND COMPARISON WITH IN DIFFERENT SALT CONCENTRATIONS*
AUTHOR(S) : Bahar Çakır, **Dolunay SAKAR DAŞDAN**, Mesut Karahan
- PAPER TITLE : *N-CQD FUNCTIONALIZED FOLIC ACID NANOCAPSULES CONTAINING PACLITAXEL FOR INCREASED IN VIVO AND IN VITRO DRUG DELIVERY AND IMAGING OF CANCER CELLS IN THE MCF-7 AND MTT BREAST CANCER CELL LINES*
AUTHOR(S) : Ehsan Nankali, **Doğa KAVAZ**
- PAPER TITLE : *CMC/PEG BLENDED HYDROGELS FOR TISSUE ENGINEERING AND REGENERATIVE MEDICINE*
AUTHOR(S) : **Doğa KAVAZ**, Nurten AŞINA
- PAPER TITLE : *SELF-ASSEMBLY AND PHOTOPHYSICAL PROPERTIES OF PERYLENE DIIMIDES WITH ELECTRON-WITHDRAWING SUBSTITUENTS*
AUTHOR(S) : **Duygu UZUN**, Huriye İCİL

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PAPER TITLE : *NAPHTHALENE DIIMIDES WITH ELECTRON ACCEPTOR SUBSTITUENTS: SYNTHESIS, CHARACTERISATION, PHOTOPHYSICAL AND SOLID-STATE ELECTROCHEMICAL PROPERTIES AND DFT STUDIES*

AUTHOR(S) : Rubin GULABOSKI, Duygu UZUN, Fritz SCHOLZ, Huriye İCİL

PAPER TITLE : *CHARACTERISATION OF HIGH-TIN BRONZE ALLOYS IN ARCHAEOLOGICAL SOIL OF CYPRUS*

AUTHOR(S) : Elif DOĞRU, Bülent KIZILDUMAN, Huriye İCİL

PAPER TITLE : *ELECTROCHEMICAL APPROACH TO THE LOW-TIN BRONZE ALLOYS IN ARCHAEOLOGICAL SOIL OF CYPRUS*

AUTHOR(S) : Elif DOĞRU, Bülent KIZILDUMAN, Huriye İCİL

PAPER TITLE : *NOVEL IMINOCOUMARINE DERIVED IMIDAZO[4,5-b]PYRIDINES AS POTENTIAL ANTIOXIDANTS*

AUTHOR(S) : Ida BOCEK, Corina Šljubura, Kristina Starčević, Robert Vianello, Marijana Hranjec

PAPER TITLE : *NOVEL 1,3-DIPHOSPHAPROPENES AND THEIR USE AS LIGANDS TOWARDS TRANSITION METAL FRAGMENTS*

AUTHOR(S) : Iulia-Andreea AGHION, Raluca-Anamaria ŞEPTLEAN, Gabriela-Nicoleta NEMEŞ

PAPER TITLE : *SPECTROSCOPIC INVESTIGATION OF NEW BENZANTHRONE LUMINESCENT DYES*

AUTHOR(S) : Jelena KIRILOVA, Armands MALECKIS, Aleksandrs PUCKINS, Alise KIRILOVA, Tatjana GRIGORJEVA

PAPER TITLE : *SYNTHESIS, ANTIPROLIFERATIVE EVALUATION AND DNA/RNA BINDING STUDY OF NOVEL AMIDINO-SUBSTITUTED PHENYLENE-BIS(BENZAZOLES)*

AUTHOR(S) : Lucija Ptiček, Iva Zonjić, Lidija-Marija Tumir, Marijana Radić Stojković, Leentje Persoons, Dirk Daelemans, Livio RACANE

PAPER TITLE : *SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF BENZIMIDAZOLE DERIVATIVES AS POTENTIAL PH SENSORS*

AUTHOR(S) : Marijana HRANJEC, Anja Beč, Robert Vianello, Matko Fančović, Marijana Buljubašić, Kristina Crnjac

PAPER TITLE : *GREEN SYNTHESIS AND ANTITUMOR STUDIES OF NOVEL RACEMIC AND OPTICALLY PURE ARYL-SUBSTITUTED PURINE BIOISOSTERES*

AUTHOR(S) : Martina PIŠKOR, Sandra KRALJEVIĆ PAVELIĆ, Petra GRBČIĆ, Mirela SEDIĆ, Maja MAJERIĆ ELENKOV, Silvana RAIĆ-MALIĆ

PAPER TITLE : *PRODUCTION OF HIGH ENERGY CAPACITY OF REDUCED GRAPHENE OXIDE-QUINOLINE ZINC PHTHALOCYANINE NANOHYBRID MATERIAL*

AUTHOR(S) : Meltem BALÇIK, Bahadır KESKİN

PAPER TITLE : *SYNTHESIS AND CHARACTERIZATION OF NOVEL BAY SUBSTITUTED PERYLENE DYES*

AUTHOR(S) : Meltem DİNLEYİCİ, Huriye İCİL

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- PAPER TITLE : *PERYLENE-BASED METAL COMPLEXES: THEIR SYNTHESIS, PHOTOVOLTAIC PROPERTIES AND EFFICIENT DYE-SENSITIZED SOLAR CELLS*
AUTHOR(S) : **Meltem DİNLEYİCİ**, Huriye İCİL
- PAPER TITLE : *ANTIOXIDANT AND ANTIDIABETIC ACTIVITIES OF HEXANE EXTRACT OF *Genista januensis* var. *lydia**
AUTHOR(S) : Cansel ÇAKIR, H. Hulya ORAK, **Merve ARGON**, Hilmican CALISKAN, Temine SABUDAK, Mehmet OZTURK, Necmettin GULER
- PAPER TITLE : *INHIBITORY EFFECTS AGAINST α -GLUCOSIDASE, α -AMYLASE AND ANTIOXIDANT ACTIVITY OF METHANOL EXTRACT OF *Genista januensis**
AUTHOR(S) : Cansel ÇAKIR, H. Hulya ORAK, **Merve ARGON**, Hilmican CALISKAN, Temine SABUDAK, Mehmet OZTURK, Necmettin GULER
- PAPER TITLE : *THE SYNTHESIS, PHOTOPHYSICAL AND ELECTROCHEMICAL PROPERTIES OF PERYLENEMONOIMIDE AND ASYMMETRIC PERYLENE DIIMIDE*
AUTHOR(S) : **Nur PAŞAOĞULLARI AYDINLIK**, Devrim Ozdal, J. Babu Bodapati, Huriye Icil
- PAPER TITLE : *SELF-ASSEMBLY, OPTICAL, THERMAL AND ELECTROCHEMICAL PROPERTIES OF N, N'-BIS-(BENZYL)-3,4,9,10-PERYLENEBIS(DICARBOXIMIDE)*
AUTHOR(S) : **Nur PAŞAOĞULLARI AYDINLIK**, Devrim Ozdal, J. Babu Bodapati, Huriye Icil
- PAPER TITLE : *A NAPHTHALENE DIIMIDE-BASED POLYMER AS ELECTRON ACCEPTOR FOR ORGANIC SOLAR CELLS*
AUTHOR(S) : **Pelin KARSİLİ**, Huriye İCİL
- PAPER TITLE : *SYNTHESIS, CHARACTERIZATION AND INVESTIGATION OF ELECTROCHEMICAL PROPERTIES OF A BAY-SUBSTITUTED NAPHTHALENE DIANHYDRIDE AND A BAY-SUBSTITUTED NAPHTHALENE DIIMIDE*
AUTHOR(S) : **Pelin KARSİLİ**, Huriye İCİL
- PAPER TITLE : *REACTIVITY OF 9-CHLORO-PHOSPHAALKENYLCHLORO-9-GERMAFLUORENE TOWARDS LITHIUM REAGENTS*
AUTHOR(S) : **Raluca-Anamaria SEPTLEAN**, Iulia-Andreea AGHION, Gabriela-Nicoleta NEMEŞ
- PAPER TITLE : *IN SILICO STUDIES FOR DEVELOPING AN ANTICANCER AGENT TARGETING G-QUADRUPLEX IN DNA*
AUTHOR(S) : **Rebwar M RASHID**, Huriye Icil
- PAPER TITLE : *DESIGN, SYNTHESIS AND CHARACTERIZATION OF NOVEL BAY SUBSTITUTED NAPHTHALENE DIIMIDE DERIVATIVE AND EVALUATE ITS ANTIBIOTIC ACTIVITY*
AUTHOR(S) : **Rebwar M RASHID**, Huriye Icil
- PAPER TITLE : *DONOR-ACCEPTOR PERYLENE FLUOROPHORES: SYNTHESIS, CHARACTERIZATION AND PHOTOPHYSICAL PROPERTIES*
AUTHOR(S) : **Selin TEMURLU**, Huriye ICIL
- PAPER TITLE : *ANTIBACTERIAL AND CYTOTOXICITY STUDIES ON PERYLENE FLUOROPHORES*
AUTHOR(S) : **Selin TEMURLU**, Mümtaz GÜRAN, Ergül Mutlu ALTUNDAĞ, Huriye ICIL

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PAPER TITLE : *IMPROVEMENT OF ANALYTICAL METHOD FOR DETERMINATION OF TAR IN PYROLYTIC GAS IN THE BIOMASS PYROLYSIS PROCESS*

AUTHOR(S) : **Sergejs OSIPOVS**, Aleksandrs PUČKINS

PAPER TITLE : *EXPERIMENTAL AND COMPUTATION STUDY OF THERMAL TRANSFORMATIONS OF THIENYL AND FURYL o-DIVINYLBENZENES IN ACIDIC MEDIA*

AUTHOR(S) : **Vilma LOVRINČEVIĆ**, Dragana VUK, Ines DESPOTOVIĆ

PAPER TITLE : *DEGRADATION REACTIONS of COVID-19 ACTIVE INGREDIENTS BY MOLECULAR MODELING METHOD*

AUTHOR(S) : **Yelda YALCIN GURKAN**, Begum PANDIR

PAPER TITLE : *THE ADSORPTION STUDY OF OLEUROPEIN USING FUNCTIONALIZED HALLOYSITE NANOTUBES AS ADSORBENTS*

AUTHOR(S) : **Selin S SUNER**, Sahin DEMIRCI, Feyzullah TOKAY, Sema BAGDAT, Selehattin YILMAZ, Nurettin SAHINER

PAPER TITLE : *INVESTIGATION OF POLY(METHYLVINYLETHER-ALT-MALEIC ANHYDRIDE) FUNCTIONALIZED WITH PREGABALIN DRUG (1:1) RATIO COPOLYMER-DRUG DELIVERY SYSTEM in CATALYST FREE MEDIA*

AUTHOR(S) : **Kadir ÇAKIRAL**, Dolunay ŞAKAR DAŞDAN

PAPER TITLE : *THE SYNTHESIS AND CHARACTERIZATION OF NEW AMINO-SUBSTITUTED AZANAPHTOQUINONE COMPOUNDS WITH ANTIMICROBIAL ACTIVITY*

AUTHOR(S) : **Nilüfer BAYRAK**, Hatice YILDIRIM, Mahmut YILDIZ, Amaç Fatih TUYUN

PAPER TITLE : *SYNTHESIS, AND ANTIMICROBIAL EVALUATION OF ARYLAMINO QUINOLINEQUINONES*

AUTHOR(S) : **Hatice YILDIRIM**, Nilüfer BAYRAK, Mahmut YILDIZ, Amaç Fatih TUYUN

COFFEE BREAK and CLOSING CEREMONY OF CONFERENCE : 15:30 – 16:00