

## 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

# ICNTC CONFERENCE

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 Rabiou 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*

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**

SESSION B (12:00 – 13:20 )

# ICNTC CONFERENCE

INTERNATIONAL CONFERENCE ON NEW TRENDS IN CHEMISTRY

## 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

# ICNTC CONFERENCE

INTERNATIONAL CONFERENCE ON NEW TRENDS IN CHEMISTRY

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 : *NON-PERIPHERAL COBALT PHTHALOCYANINE BEARING PHTHALIMIDE UNIT: FACILE SYNTHESIS VIA CLICK REACTION, SPECTROSCOPIC AND DNA BINDING STUDY*  
AUTHOR(S) : **Bahadır KESKİN**, Ecem Nur DEMİREL
- PAPER TITLE : *MICROWAVE ASSISTED SYNTHESIS OF SOME 2(3H)-BENZOXAZOLONE DERIVATIVES*  
AUTHOR(S) : **Banu KESANLI**, Yusuf MULA ZIM, Suleiman Yusuf 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<sup>+2</sup>-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

# ICNTC CONFERENCE

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- PAPER TITLE : *SELF-ASSEMBLY AND PHOTOPHYSICAL PROPERTIES OF PERYLENE DIIMIDES WITH ELECTRON-WITHDRAWING SUBSTITUENTS*  
AUTHOR(S) : **Duygu UZUN**, Huriye İCİL
- 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 : *SYNTHESIS, AND ANTIMICROBIAL EVALUATION OF ARYLAMINO QUINOLINEQUINONES*  
AUTHOR(S) : **Hatice YILDIRIM**, Nilüfer BAYRAK, Mahmut YILDIZ, Amaç Fatih TUYUN
- 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 : *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 : *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*

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- 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
- 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  $\alpha$ -GLUCOSIDASE,  $\alpha$ -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 AND CHARACTERIZATION OF NEW AMINO-SUBSTITUTED AZANAPHTHOQUINONE COMPOUNDS WITH ANTIMICROBIAL ACTIVITY*
- AUTHOR(S) : **Nilüfer BAYRAK**, Hatice YILDIRIM, Mahmut YILDIZ, Amaç Fatih TUYUN
- 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 İcil
- 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 İcil
- 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 ŞEPTLEAN**, Iulia-Andreea AGHION, Gabriela-Nicoleta NEMEŞ

# ICNTC CONFERENCE

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- PAPER TITLE : *IN SILICO STUDIES FOR DEVELOPING AN ANTICANCER AGENT TARGETING G-QUADRUPLEX IN DNA*  
AUTHOR(S) : **Rebwar M RASHID**, Huryie Icil
- PAPER TITLE : *DESIGN, SYNTHESIS AND CHARACTERIZATION OF NOVEL BAY SUBSTITUTED NAPHTHALENE DIIMIDE DERIVATIVE AND EVALUATE ITS ANTIBIOTIC ACTIVITY*  
AUTHOR(S) : **Rebwar M RASHID**, Huryie Icil
- 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 : *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
- 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  $\sigma$ -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

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

**18 May 2022 Wednesday**

**FULL DAY ( 8 Hours ) NORTH CYPRUS CITY TOUR**

**Salamis Hotel Departure: 10:30**

**Tour does not included into Registration Fee**