

6th ICNTC OCTOBER 17-18, 2020

17 OCTOBER 2020 SATURDAY

Online access : with given username and password.

08:50 – 09:00

Welcome Speech

: Assoc. Prof. Dr. Dolunay SAKAR DASDAN / Conference Chair
Yildiz Technical University, Turkey

09:00 – 09:40

Keynote Speaker

Speech Title

: Assoc. Prof. Dr. Sameh BOUDIBA / Tebessa University, Algeria
:Anthracene Based Conjugated Polymers for Optoelectronic Applications

09:40 – 09:45

B R E A K

SESSION A

SESSION CHAIR	Assoc. Prof. Dr. Dolunay SAKAR DASDAN Yildiz Technical University	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
09:45 – 10:00	Effect of Incorporation of Zinc Oxide on the Properties of PHBV	Semra KIRBOGA
10:00 – 10:15	Green synthesis of ZnO particles and their application as catalysts in the transesterification of methyl benzoates	Mohamed Soliman , Elisabete Alegria, Ana Ribeiro, Marta Alves, Fátima Montemor and Armando Pombeiro
10:15 – 10:30	Antibacterial Activity and Physical Properties of Bovine Gelatine-Chitosan Wound Dressing Films Supplemented With Propolis	Ilknur KUCUK , Nigar YILDIRIM
10:30 – 10:45	The Effects of Additives on Particle Size and Morphology of Barium Sulfate Crystals	Egemen OYMAN, Emel AKYOL
10:45 – 11:00	Computational Examination of Degradation Reactions of Precious Endocrine Disruptors Molecules Through Surface Water	Simal KURUMOGLU , Yelda YALCIN GURKAN
11:00 – 11:15	Molecular Sensors: Design, Synthesis and Practical Applications	Erman KARAKUS
11:15 – 11:30	Theoretical and Molecular Docking Analysis of Silver-nhc Complexes as a Potential Anticancer Agent	Neslihan SAHIN , Elvan USTUN
11:30 – 11:45	Structure of Drug-Polymer Composites Prepared by Nano Spray Dryer	Mirella MIRANKO , Laszlo TRIF, Judit TOTH, Tivadar FECZKO
11:45 - 12:00	Polymorphism and Topochemical Reactivity in Fusedring Heteroaromatics	Fabio BORBONE , Roberto CENTORE , Emmanuele PARIS , Antonio CARELLA

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12:00– 13:00	LUNCH BREAK
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SESSION B

SESSION CHAIR	Prof.Dr.Sevil YUCEL Yildiz Technical University	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
13:00 – 13:15	Biodegradable Zwitterionic Nanoparticles With a Biologically Relevant Ucst at Physiological Salt Concentration	Mattia SPONCHIONI , Umberto CAPASSO PALMIERO, Davide MOSCATELLI
13:15 – 13:30	New Voltammetric Method for Determination and Electrochemical Behaviors of Oxaliplatin by cpt-bdd Electrode	Mehmet ASLAN , Abdulkadir LEVENT
13:30 – 13:45	Effect of Temperature and Reaction Time on Structural, Morphological and Magnetic Properties of zn-doped fe ₃ O ₄ Nanoparticles (zn _{0.25} fe _{2.75} O ₄) Synthesized by the Hydrothermal Method	Nurcan DOGAN , Gulsum CALISKAN
13:45 – 14:00	Development of Nanostructured-Graphene-Supported Silver Nanoparticles as Catalysts for Electroreduction of Oxygen in Alkaline Electrolyte	Sylwia ZOLADEK , Magdalena BLICHARSKA-SOBOLEWSKA, Agnieszka ZLOTOROWICZ, Iwona Agnieszka RUTKOWSKA, Krzysztof MIECZNIKOWSKI, Enrico NEGRO, Vito DI NOTO, Pawel KULESZA
14:00 – 14:15	Preparation and Co2 Permeabilities of Pebax Mixed Matrix Membranes With Metal Organic Frameworks	Nagehan CELIK , Sennur DENİZ
14:15 – 14:30	Novel Electrochemical Biosensing of Tyramine Based on Fe ₂ O ₃ NPs-Multiwall Carbon Nanotubes-Hexaammineruthenium-Chitosan Modified Glassy Carbon Electrode	Berna DALKIRAN
14:30-14:45	Stabilization and Harvesting of Hesperetin Microrods From the Hesperetin Stabilised Via Plantacare 2000 Solution by Using Template-Assisted Particle Infiltration Method	Yesim KARAHAN , Marcel POURASGHAR, Marc SCHNEIDER, Cornelia M. KECK, Dolunay SAKAR DASDAN
14:45– 15:00	One Pot Synthesis of Piperidine Derivatives and Evaluation of Their Anticancer Potential	Zulfiqar Ali KHAN

15:00 – 15:15	B R E A K
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SESSION C

SESSION CHAIR	Mattia SPONCHIONI Politecnico di Milano	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
15:15 – 15:30	Optimization of Drying Process for Green Bricks Using Response Surface Methodology	Bercem KIRAN YILDIRIM, Ebru MANCUHAN, Sibel TITIZ SARGUT
15:30 – 15:45	Water Quality in the Armutlu Beach	Esin BOZKURT KOPUZ
15:45 – 16:00	New Voltammetric Strategy for Determination and Electrochemical Behaviors of Metformin by Pencil Graphite Electrode	Yalcin ALTUNKAYNAK, Omer YAVUZ, Abdulkadir LEVENT
16:00 – 16:15	Facile Access to O-Heterocycles Using N-Methyl-1-(Methylthio)-2-Nitroethenamine (NMSM)	Musawwer KHAN, Saigal and Sumbulunnesa SHAREEF
16:15 – 16:30	Bodipy Functionalized Molecular Metal Oxides: Synthesis, Characterization and Properties	Seda CETINDERE
16:30 – 16:45	Antiproliferative Silver-NHC Complexes: Structural and Global Reactivity Descriptor Analysis and Molecular Docking Study	Elvan USTUN, Neslihan SAHIN
16:45 - 17:00	Thermal and Mechanical Properties of Continuous Glass Fiber/Pet Composites	Melis Eldem HEPER, Sennur DENİZ
17:00 - 17:15	Iridium Oxide Immobilized On Cerium Oxide For Enhanced Water Oxidation	Kadriye Özlem HAMALOĞLU, Rukiye BABACAN TOSUN, Ali TUNCEL
17:15-17:30	Temperature Control In Polystyrene Polymerization Reactor By Using Neural Network Model Predictive Algorithm	Erkin ETIKE, Gülay ÖZKAN, Hale HAPOĞLU

POSTER SESSION A

SESSION CHAIR	Prof. Dr. Mustafa GAZI Eastern Mediterranean University Assoc. Prof. Dr. Yelda YALCIN GURKAN Namik Kemal University Assoc. Prof. Dr. Elvan ÜSTÜN Ordu University	5 min oral presentation after that questions from participants
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
17:30	Effect Of N-Butanolic Extract Of A Plant Growing Spontaneously In Central Algeria As An Additive In Electrodeposition	Karima HANINI1, Sameh BOUDIBA, Merzoug BENAHMED, Hocine LAOUER and Louiza BOUDIBA
	Electrochemical Oxidation of Vildagliptin on Pencil Graphite Electrode: Extremely Sensitive Determination in Drugs and Human Urine With Square Wave Voltammetry	Yalcin ALTUNKAYNAK, Omer YAVUZ, Abdulkadir LEVENT

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18:30	Computational Examination of Degradation Reactions of Butralin	Simal KURUMOGLU , Yelda YALCIN GURKAN
	The Properties of Phbv/Caco3 Composites Prepared by Melt Processing	Semra KIRBOGA , Mualla ONER
	Determination of Hexanal as Marker of Lipid Oxidation in Edible Oils by Headspace Gas Chromatography	Birute BUGELYTE , Gintare PIPIRAITE, Vilius POSKUS, Vida VICKACKAITE
	Synthesis and Characterisation of a Glutathione-Stransferase (Hgstp1-1) Single NUCLEOTIDE Polymorph	Sadhna MATHURA
	Investigation of Structural and Magnetic Properties of Nickel Doped Iron Oxide Nanoparticles Depending on the Amount of Dope Values	Nurcan DOGAN , Namik DIKTAŞ, Ceren ERSEN , Ayhan BINGOLBALI
	Bitter Vetch Seed Oil (Vicia Ervilia L.) – A New Source of Bioactive Components	Zhana PETKOVA , Ginka ANTOVA, Olga TENEVA, Maria ANGELOVA-ROMOVA
	Different Response of A 2-Ureido-4-Ferrocenyl Pyrimidine Sensor to CF ₃ SO ₃ H and CF ₃ CO ₂ H Guests	Soma J. KESZEI , Szabolcs BALOGH , Csaba FEHER , Lívia NAGY , Nikolay TUMANOV, Johan WOUTERS, Gyorgy LENDVAY ,Rita SKODA-FOLDES
	Theoretical Study of Ground State Physical Properties of MgCu ₄ Sn Intermetallic Compound	Said BOUCETTA
	Ab Initio Study of the Elastic and Mechanical Properties of Mg ₃ Au Intermetallic Compound	Said BOUCETTA

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18 OCTOBER 2020 SUNDAY

09:00 – 09:30

Invited Speaker : **Prof. Dr. Mustafa GAZI** / Eastern Mediterranean University – North Cyprus
Speech Title : Chitosan Based Adsorbents for Boron Removal from Aqueous Solutions

SESSION D

SESSION CHAIR	Prof. Dr. Huriye ICIL Eastern Mediterranean University	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
09:30 – 09:45	Polyphosphazene Based Fuel Cell Membranes	Elif Busra CELEBI , Ferda HACIVELIOGLU
09:45 – 10:00	Zn-Chitosan Nanoparticles as Ecofriendly Priming Agent: Re-Modulate Antioxidant Potential and Biochemical Attributes in Wheat Seeds for Sustainable Productivity	Hameed ARRUGE, Khalid ALVINA, Hameed AMJAD, Ahmed TOHEED, Farooq TAHIR
10:00 - 10:15	Mechanical Properties of Biodegradable PLA/PCI Blend Films Prepared With A-Tocopherol	Nudem DENIZ , Sennur DENIZ
10:15 – 10:30	Synthesis and Alpha-Glucosidase Inhibition Studies of 1,2-Benzothiazine Derivatives	Matloob AHMAD
10:30 – 10:45	Sodium Nitroprusside Mediated Priming Memory Invokes Water-Deficit Stress Acclimation in Wheat Plants Through Physio-Biochemical Alterations	Hameed ARRUGE , Farooq TAHIR, Hameed, Amjad Sheikh Munir AHMAD
10:45 – 11:00	Antimony Adsorption Study of Chitosan Produced From Caridea and Brachyura Shells	Zehra Ozden OZYALCIN , Azmi Seyhun KIPCAK
11:00 – 11:15	Processability Improvement of Natural Rubber in Mastication Step by Residual Carbon Black Addition	Merve PEHLIVAN , Bora ATALIK, Sezgin GOKCESULAR
11:15 – 11:30	Susceptibility of 99mtc-Ciprofloxacin for Common Infection Causing Bacterial Strains Isolated from Clinical Samples: An in Vitro and in Vivo Study	Syed Ali Raza NAQVI , Aysha AZIZ, Hassina SABIR

11:30 – 11:45

B R E A K

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SESSION E

SESSION CHAIR	Assist.Prof.Dr.Sennur Deniz Yildiz Technical University	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
11:45 - 12:00	A Computational Study on the Structural and Spectral Properties of 2-Hydroxy-4-(2-Hydroxyethoxy)-2-Methylpropiophenone	Asim MANSHA, Noreen AKRAM, Sadia ASIM
12:00 – 12:15	Production of Biocomposite Tissue Scaffolds by Using Boron-Containing Bioactive Glass and Collagen/Gelatin Hybrid Polymer for Bone Tissue Engineering	Eda GUNEY, Ceren KECECILER, Dilan ALTAN, Sevil YUCEL
12:15 – 12:30	Novel N-4-Piperazinyl-Ciprofloxacin-Aniline Hybrids: Synthesis and in Vitro Biological Evaluation as Anticancer Agents	Rabia AKHTAR, Ameer Fawad ZAHOOR, Azhar RASUL, Matloob AHMAD, Muhammad Naveed ANJUM, Muhammad AJMAL and Zohaib RAZA
12:30 - 12:45	A Novel Nanozyme for Colorimetric Detection Of L-Histidine	Duygu YILDIRIM, Cigdem KIP, Ali TUNCEL
12:45 - 13:00	Optical Molecular Imaging: Fluorescent Smart Probes for Pathogen Detection	Muhammed UCUNCU

13:00 – 13:45

LUNCH BREAK

SESSION F

SESSION CHAIR	Prof. Dr. Mustafa GAZI Eastern Mediterranean University	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
13:45 – 14:00	Cyclodextrin-Calixarene Nanosponges for the Adsorption of Lead Ion From Aqueous Solution	Salvatore CATALDO, Alberto PETTIGNANO, Paolo Lo MEO, Demetrio MILEA
14:00 – 14:15	Catalytic Effect of Amines on a CO ₂ Absorption Performance	Ozge YUKSEL ORHAN
14:15 – 14:30	Experimental and Theoretical Analysis of a Refrigeration System With Phase Change Material (PCM) Integration	Tugce NOYA, Bercem KIRAN YILDIRIM, Ebru MANCUHAN, Sibel TITIZ SARGUT
14:30 – 14:45	Synthesis, Characterization and Structure of Chlorido Platinum(II) Saccharinate Complex Bearing 1,1-Bis(Diphenylphosphino) Methane	Ceyda ICSEL

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14:45 – 15:00	Application Of Bismuth Film Electrode in Determination Of Loratadine by Cathodic Stripping Voltammetry in the Presence of Cationic Surfactant	Gunay ONAL , Yalcin ALTUNKAYNAK, Abdulkadir LEVENT
15:00 - 15:15	Synthesis of Poly (Methyl Vinyl Ether-Co-Maleic Anhydride)-Cu+2-Bovine Serum Albumin Biocomplex and Investigation of Different pHs and Salt Concentration Effects on The Stability of Poly (Methyl Vinyl Ether-Co-Maleic Anhydride)-Cu+2-Bovine Serum Albumin Biocomplex in Aquous Solutions	Rahime Bilge BORKLU, Dolunay SAKAR DASDAN , Mesut KARAHAN

15:15 – 15:45

Invited Speaker

: **Prof. Dr. Huriye ICIL** / Eastern Mediterranean University – North Cyprus

Speech Title

: Novel Bay-Substituted Perylene Bisimides

15:45 - 16:00	B R E A K
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SESSION G

SESSION CHAIR	Prof.Dr.Nursen SARI Gazi University	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
16:00 - 16:15	Production of Novel Composite Films Based on Pva-Biosilica	Enver Can KILIC, Emel AKYOL, Burcu KARAKUZU IKIZLER, Ali Can OZARSLAN, Sevil YUCEL
16:15 – 16:30	A Facile Method to Prepare Bismuth Doped ZnO Photocatalysts and Their Photocatalytic Property	Nazli TURKTEN
16:30 – 16:45	Chemical Reaction in Powder Mixtures of Calcium Hydroxyapatite and Potassium Hydrosulfate Under Mechanical Activation in Acetone Medium	Tatiana SAFRONOVA , Marat AKHMEDOV, Tatiana SHATALOVA, Snezhana TIKHONOVA, Gilyana KAZAKOVA
16:45 – 17:00	A Computational Study Of 2,3-Dihydrospiro[Carbazole-1,2'-[1,3]Dithiolan]-4(9H)-One Compound: Structure, FT-IR, NMR, NLO, and NBO Analyses	Goncagul SERDAROGLU , Nesimi ULLUDAG
17:00– 17:15	The Hydrolysis of Tert-Butylamine Borane By Using Ni-Zr-B Catalyst for Hydrogen Production	Hatice Begum MURATHAN , Goksel OZKAN
17:15 – 17:30	Rh-Based Ternary Catalyst for the Catalytic Dehydrogenation of Hydrazine Borane as an Chemical Hydrogen Storage Material	Merve Rabia GURLUK , Gülay OZKAN, Goksel OZKAN
17:30 – 17:45	New Triazolo-Triazole Derivatives: Redox and Emission Properties and Cu(I) Complexes	Sandra FUSCO , Emmanuele PARISI , Sabato VOLINO , Carla MANFREDI , Roberto CENTORE

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POSTER SESSION B

SESSION CHAIR	Prof. Dr. Huriye ICIL Eastern Mediterranean University Assoc. Prof. Dr. Dolunay SAKAR DASDAN Yildiz Technical University Assoc. Prof. Dr. Nurcan DOGAN Gebze Technical University	5 min oral presentation after that questions from participants
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
17:45	A Spectrophotometric Investigation of the Interaction Between DNA and the Anticancer Drug Candidate Schiff Bases and Their Pt (II) Complexes	Elvan HASANOGLU OZKAN, Suheyla Pinar CELIK, Leyla ACIK, Ali DISLI, Nursen SARI
18:45	Analysis of Molecular Orbital Energies, Global Reactivity Descriptors, and Electronic Transitions of [Mn(CO) ₃ (bpy)(N-benzimidazole)]PF ₆ Complex by DFT/TDDFT-Based Computational Methods	Dolunay ŞAKAR DAŞDAN , Elvan ÜSTÜN
	Interactions of New Tetrazolato Complexes Containing VIII B Group Transition Metals With DNA	Elvan HASANOGLU OZKAN , Suheyla CELIK, Leyla ACIK, Ali DISLI, Nursen SARI
	The Contribution of Electronegative Groups on The Synthesis and the Antimicrobial Effects of Tetrazol Compounds Containing Different Substituent Groups	Elvan HASANOGLU OZKAN , Hatice OGUTCU, Ali DISLI, Nursen SARI
	Effect of Mixer Rotor Wing Types on Compound Properties	Merve PEHLIVAN , Bora ATALIK, Sezgin GOKCESULAR
	The Effects of Naphthenic Oil, BR, NR and Content of Vinyl in S-SBR on Passenger Tread Compounds	Duygu KABAKOGLU , Sezgin GOKCESULAR
	Electroanalytical Determination of Progesterone Hormone Using Boron-Doped Diamond Electrode	Muhlis UCAR , Abdulkadir LEVENT
	Synthesis of 16 α -Substituted-Pregnenolone Derivatives Via Ionic Liquid-Catalyzed Aza-Michael and Thio-Michael Addition	Lilla MAKSO , Rita SKODA-FOLDES
	Investigation of Switchable Polarity Solvents and Their Application in Claisen-Schmidt Reaction of Steroids	David ISPAN , Rita SKODA-FOLDES
	Aminocarbonylation in the Presence Of Supported Palladium Catalyst	Eniko Nagy , Bernadett ADAMCSIK, Mate PAPP, Bela URBAN, Rita SKODA-FOLDES
	CO ₂ Methanation With Ce Promoted Ni Catalyst Supported on Mixed Materials of	Nyamsuren BATTUMUR , Enkhsaruul BYAMBAJAV

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	Al_2O_3 and Y_2O_3	
	Antioxidant Activity of New Glycoconjugates Containing Selenium	Luigia SERPICO , Mauro De NISCO, Flavio CERMOLA, Michele MANFRA, Claus JACOB, Silvana PEDATELLA
	Preparation of Calcium Polyphosphate Powder Containing Amorphous Carbon	Tatiana SAFRONOVA , Yanis PAIANIDI, Tatiana SHATALOVA, Yaroslav FILIPPOV, Gilyana KAZAKOVA, Umarali UMIROV, Otabek TOSHEV
	Synthesis And Characterization Of Phosphazene-Based Epoxy Binders	Elif Busra CELEBI , Halil DUYAR, Cengiz AYAR Rumeysa BARAN, Ferda HACIVELIOGLU
	Tetra 7-Oxy-4-(Pyridin-3-Yl)Coumarin Substituted Copper (I) and Cobalt (I) Phthalocyanines: Synthesis, Spectroscopic Properties and Theoretical Study	Yelda YALCIN GURKAN , Simal KURUMOGLU, Caner Yahya BOYAR, Yasemin KESKEK KARABULUT, Meryem CAMUR