

ICNTC CONFERENCE

INTERNATIONAL CONFERENCE ON NEW TRENDS IN CHEMISTRY

10th ICNTC APRIL 19 – 21, 2024, Budapest, Hungary

10th ICNTC 2024 PROGRAM

19 APRIL 2024 FRIDAY

09:00 – 16:00

Registration

09:45 – 10:15

Opening Ceremony

COFFEE BREAK 10:15 – 10:25

10:25 – 10:30

Welcome Speech

: Prof. Dr. Dolunay SAKAR/ Conference Chair
Yıldız Technical University, Turkey

10:30 – 11:00

Keynote Speech
Speech Title

: Flavio Massignan, Eötvös Lorand University
: Effective nanoparticulate-type encapsulation delivery system for hydrophilic proteins and peptides

SESSION A

SESSION CHAIR	ASSOC. PROF. DR. Emel AKYOL	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
11:00 – 11:20	The Discovery of Hydrogen Electrode Reference $E^{\circ}_{H} = -0.2965$ Volts in Absolute Potential Scale Synchronizes the Sciences with Absolute Free Energy Scale.	<u>Aris KAKSIS</u>
11:20 – 11:40	Boron Fuels and Hydrogen Production in Renewable Energy Systems	Berfin Ekin ULGEN, <u>Aysel KANTURK FIGEN</u>
11:40 – 12:00	The Effect of Chemical Pretreatments on the Drying Behavior of Blueberries	Busra GOK, <u>Ekin KIPCAK</u>
12:00 – 12:20	Investigation of In Vitro Digestive Process in Optimization of Ultrasound-Assisted Extraction with Citric Acid Anhydride for Antioxidant Production from Red Beet, Swiss Chard, and Dragon Fruit	<u>Gulin Selda POZAN SOYLU</u> , Elif GUNGOR REIS
12:20 – 12:40	Carvacrol Derivatives: DFT Computations and Drug-likeness Studies	Goncagul SERDAROGLU

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12:40 – 13:40 LUNCH BREAK

Lunch is included into Full Package Registration.

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SESSION B

SESSION CHAIR	PROF. DR. Aysel KANTURK FIGEN	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
13:40 – 14:00	Improving Energy Conversion Efficiency in Dye-Sensitized Solar Cells Through TiO ₂ Photoanode Modification with Gold-Silver Nanoparticles and Cobalt-Imidazolate Frameworks	Zainab B. Al-Ruqeishi, Osama Abou-ZIED
14:00 – 14:20	The Effect of Pigment on the Final Properties of Black Glass Automotive Enamel	Selime OZTURK , İlknur KUCUK
14:20 – 14:40	Investigation of the Effects Of Cherry Stem Extract On Calcium Oxalate Monohydrate Growth In In-Vitro	Merve DANISMAN, Emel AKYOL
14:40 – 15:00	Continuous Flow Chromium(VI) Adsorption Onto Peach Stone And Acrylonitrile-Divinylbenzene Copolymer Based Activated Carbons	Dilek DURANOGLU, İlknur KUCUK , Ulker BEKER
15:00 – 15:20	Determination of Lignocellulosic Fraction of Airplane Lavatory Wastewaters for Recovery Purposes	Cigdem KALKAN AKTAN, Zeynep YUCESoy , Neslihan SEMERCI

COFFEE BREAK 15:20 – 15:30

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SESSION C

SESSION CHAIR	ASSOC. PROF. DR. Nilufer BAYRAK	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
15:30 – 15:50	Multi-parameter Optimization of Layered hBN/PMMA Nanocomposite Under Mechanical Loading	Tatyana PETROVA , Elisaveta KIRILOVA, Rayka VLADOVA, Apostol APOSTOLOV, Boyan BOYADJIEV
15:50 – 16:10	Effect of TiO ₂ Synthesis Methods on Photocatalytic Hydrogen Production Via Water Splitting	Vatfa GUZEY, Esra BALKANLI UNLU, Halit Eren FIGEN
16:10 – 16:30	Drying Kinetics, Mathematical Modelling and Color Analysis of Solen Marginatus: A Comparative Study of Oven, Infrared, and Microwave	Azmi Seyhun KIPCAK , Zehra Ozden OZYALCIN
16:30 – 16:50	Development of Transdermal Patches for Alzheimer's Treatment and Improvement of Penetration Characteristics	Hatice MUTLU , Emel AKYOL
16:50 - 17:10	DFT Computations, FMO, NBO, Lipophilicity, and Water Solubility of Dihydromyricetin Derivatives	Goncagul SERDAROGLU , Nihat KARAKUS
17:10 - 17:30	Theoretical Study of Possible Reaction Pathways With the OH Radical of the Apranax (AP) Molecule, Whose Active Ingredient is Naproxen Sodium (NS)	Bahar EREN , Yelda YALCIN GURKAN

SESSION D – POSTER SESSION 1

SESSION CHAIR	ASSOC. PROF. DR. Goncagul SERDAROGLU PROF. DR. Dolunay SAKAR	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
17:30	Individual Detection of Phenolic and Polyaromatic Components in Tar Analysis From Biomass Gasification Process	Sergejs OSIPOVS , Aleksandrs PUCKINS
	Impact Of Temperature On Methane Production From Bog Sludge And Crushed Reed Biomass	Aleksandrs PUCKINS Sergejs Osipovs
18:30	Synthesis and Characterization of Novel Symmetric Phthalocyanines Containing Bromonaphthalene Groups	Gölnur KESER KARAOGLAN , Gülsah GUMRUKCU KOSE
	The Synthesis and Characterization of A3B Type A Novel Unsymmetrical Zincphthalocyanine	Gülsah GUMRUKCU KOSE , Gülnur KESER KARAOGLAN
	Synthesis and Evaluation of New Quinone-Based Heterocycles Against Tumor Cell Lines	Nilufer BAYRAK , Amaç Fatih TUYUN
	Identification of Aminobenzoquinones as Egfr Inhibitors	Amaç Fatih TUYUN , Nilufer BAYRAK

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Dinner & Live Music at Vadaspark - Budapest

Courtyard Marriott Hotel Departure: 19:00

Dinner is included into Full Package Registration. Participants who registered as Light Package and/or want to purchase extra ticket should contact to conference registration desk.

20 APRIL 2023 SATURDAY

SESSION E

SESSION CHAIR	PROF. DR. Dolunay SAKAR	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
10:00 – 10:20	Improved Packaging Performance of Olive-Tree Based Biochar Loaded Poly(Lactic Acid) Films	Zeynep Irem OZYORU, Serhat BALCI, Filiz UGUR NIGIZ
10:20 – 10:40	Dehydration of Industrial Isopropanol Wastewater by Pervaporation Using Carboxy Methyl Cellulose and Graphene Oxide Hybrid Membranes	Derya UNLU
10:40 – 11:00	Experimental and Modeling Investigation of Mass Transfer During Infrared Drying of Ahlat Pear	Osama T. A. ALSHAMHAZI, Ilknur KUCUK , İbrahim DOYMAZ
11:00 – 11:20	Synthesis, Characterization and Effects to Cholesteric Lyotropic Liquid Crystal Media of -ONNO- Type Schiff Bases and Metal Complexes	Seher MERAL , Aysen ALAMAN AGAR
11:20 – 11:40	Preparation of Boron Nitride / Titanium Dioxide Hybrid Nanofluids and Investigation Of Stability	İlgen CETİN, Emel AKYOL
11:40 – 12:00	Modelling of Continuous Flow Phenol Adsorption Onto Acrylonitrile-Divinylbenzene Copolymer	Elsada NEZIRI , Dilek DURANOGLU

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SESSION F

SESSION CHAIR	PROF. DR. Azmi Seyhun KIPCAK	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
13:00 – 13:20	Composite Thin Films of Upconverting Nanoparticles: Characterization of Emission and Energy Transfer Properties	Balázs BORBÁS , Borbála TEGZE, Dóra HESSZ, Miklós KUBINYI, János MADARÁSZ, Zoltán HÓRVÖLGYI
13:20 – 13:40	Computational Modeling of N=1 Ruddlesden-Popper Type La ₂ NiO ₄ for Fluoride Ion Batteries	Pinar BULUT
13:40 – 13:50	Preparation and Characterization of Bionanocomposite Packaging Films Reinforced with Metal Organic Frameworks Based Additives	Oznur YOLACAN , Sennur DENİZ
13:50 – 14:00	Effects of Additives on Mechanical and Barrier Properties of Polyhydroxyalkanoate Derived Biocomposite Films by Solution Casting	Oznur YOLACAN , Sennur DENİZ
14:00 – 14:10	Methyl Viologen as Photochromic Cation in Ca(II) and Mg(II) Complexes	Aishwarya CHAUHAN , Ravi Shankar
14:10 – 14:20	Design and Synthesis of N ₃ O ₂ , N ₂ O ₃ , N ₂ (S/Se)O ₂ and N ₅ O ₂ type Donor Bases and their Interactive Behavior with UO ₂ ²⁺ Ion	Rahul RADAV , Renu Kumari, Jagriti Singh and Jai Deo Singh

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SESSION G – POSTER SESSION 2

SESSION CHAIR	PROF. DR. Yelda YALCIN GURKAN	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
14:30	Fabrication of Electrospun Polyvinylidene Fluoride Filter Material For Deep Purification of Multiple Impurities from Water	Seniyecan KAHRAMAN, Ayşenur KATIRCI, <u>Filiz UGUR NIGIZ</u>
	The Mechanism of Antimicrobial Activity of Naturally Originated Preservative Hinokitiol	<u>Beata WYŻGA</u> , Magdalena SKÓRA, Katarzyna HAĆ-WYDRO
15:30	The Effect of Natural Additives on Preventing Breakage by Increasing Paper Strength Value	Sedanur POLAT, <u>İknur KUCUK</u>
	Cisplatin Analog With Photoswitchable Biological Activity	<u>Marta STOLAREK</u> , Mateusz BRELA, Kamil KAMIŃSKI, Marta KACZOR-KAMIŃSKA, Piotr BONAREK, Maria NOWAKOWSKA, Krzysztof SZCZUBIAŁKA
	Optimization of Ozonation in the Removal of Basic Blue 41 In Aqueous Solution	<u>Kadir TURHAN</u>
	Photophysical Study of Novel Isothiocyanate Derivative as Fluorescent Label For Amino Acids	<u>Jelena KIRILOVA</u> , Armands MALECKIS, Romans FRIDMANS
	Synthesis of Substituted 4-Methylphenyl-2-Iminothiazolidinone Compounds via One-Pot Method	<u>F. Tulay TUGCU</u>
	The Effect of Ultrasonic Pretreatment Duration on the Drying Kinetics of Red Berries	Sena SURER, <u>Ekin KIPCAK</u>

COFFEE BREAK 15:30 – 15:50

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SESSION H – POSTER SESSION 3

SESSION CHAIR	ASSOC. PROF. DR. Ilknur KUCUK	
TIME	PAPER TITLE	PRESENTER / CO AUTHOR
15:50	Optimization and Determination of The Factors, Influencing on the Delamination in Graphene/Mos2/PET Nanocomposite Under Mechanical Loading	Boyan BOYADJIEV Tatyana PETROVA, Rayka VLADOVA , Elisaveta KIRILOVA, Apostol APOSTOLOV
16:30	Tailor-Made Synthesis of Chitosan-G-Poly (Dimethylamino) Propylmethacrylamide	Ceyda SIMSEK , Ayse Enda ZAVALSIZ, Candan ERBIL, Argun Talat GOKCEOREN
	Synthesis and Electrochemical Properties of Soluble Cobalt(II) and Copper(II) Phthalocyanines	Gamze KOÇ, Altug Mert SEVİM, Argun Talat GOKCEOREN
	Kinetic and Thermodynamic Investigation of Methyl Violet Dye Adsorption On Agar-Agar Impregnated Activated Carbon	Burak HAZAR, Dolunay SAKAR
	Determination of Macro and Micro Element Contents in Thyme Oil and Rosemary Oil by ICP-OES	Nazan TOKATLI DEMIROK, Ayca KARASAKAL
	Methyl Violet Dye Adsorption Study On Submicron Particle Size Rubber Powder Obtained From Scrap Tyre and Functionalized with Agar-Agar	Zehra KADIOGLU, Dolunay SAKAR
	Determination of Trace and Major Elements in Commercial Propolis Samples by ICP-OES After Microwave Digestion	Gorkem ARDA, Ayca KARASAKAL
	Removal Of Penicillin Group Azlocillin, Cloxacillin, Methicillin Antibiotics from Waste Water by Dft Method	Nurdan GUVEN, Burak GURKAN, Yelda YALCIN GURKAN

16:30 – 17:00

CLOSING CEREMONY

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21 APRIL 2024 SUNDAY

FREE DAY

Budapest - Vienna Transfer with Bus

Hotel Departure 08:00

This service is only for the participants who are willing to travel to Vienna to enjoy city. Bus will drop guests at Vienna city center and no return arrangement will be done. For registration and information please contact conference welcome desk