

CONFERENCE PROGRAM

3rd International Congress on Analytical and Bioanalytical Chemistry (3rd ICABC 2021)

22-26 March, 2021, Online

<u>22 March, 2021</u>	
16:00-16:30	<p>➤ Welcome Ceremony</p> <p>➤ Prof. Dr. Mehmet Yaman (Chair)</p> <p>Prof. Dr. Seref GUCER (on behalf of continuation committee)</p> <p><i>Honorable</i></p>
16:35-17:05	<p>Inv. 1: Prof. Dr. Boguslaw Buszewski- N. Copernicus U/PL</p> <p>➤ <i>Bioanalytics from Micro- to Nano- Dimension</i></p>
17:05-17:30	<p>Inv 2: Prof. Dr. Ersin KILINC, Dicle U/TR</p> <p><i>siRNA Delivery by Formulated Non-viral Vectors</i></p>
<u>23 March, 2021</u>	
Session 1 - Chairs: Prof. Dr. Durisehvar Unal- Prof. Dr. Dilsad Ariksoysal	
10:00-10:30	<p>Inv. 3: Prof. Dr. Sibel A. OZKAN-Ankara U/TR</p> <p>Nanostructured Materials-Based Nanosensors for Sensitive Monitoring of Pharmaceuticals</p>
10:30-10:40	<p><i>Tea/Coffee break</i></p>
10:40-11:10	<p>Inv 4: Prof. Dr. Yusuf DILGIN-Canakkale 18 Mart U/TR</p> <p>Chemically modified disposable electrodes as amperometric sensors and biosensors in Flow Injection Analysis</p>
11:15-12:05	<p>OP1-Andrzej Leniart-Lodz U/PL</p> <p>Preparing, characterization and application of glassy carbon electrode to the determination of Fluometuron</p>
	<p>OP2- Melike BILGI KAMAÇ-Çankiri Karatekin U/TR</p> <p>A dual immunosensor for the simultaneous electrochemical detection of CA 125 and HE4</p>
	<p>OP3- Hasret Subak-100. Yil U/TR</p> <p>Electrochemical Detection of Interaction Between Helichrysum pallasii (Spreng.) Ledeb. and DNA by Using Disposable Biosensors</p>
	<p>OP4- Tugba Oren Varol-Muğla Sıtkı Koçman U/TR</p> <p>A Nanomaterial Enriched Plant Tissue Based Biosensor for Phenol Detection</p>
	<p>OP5- İrem Aydın Kırılancık-Ege U/TR</p> <p>A Label-Free Aptamer Based Impedimetric Biosensor for Ochratoxin A Detection</p>
12:00-14:00	<p>Lunch</p>
Session 2 - Chairs: Prof. Dr. Belgin Izgi- Assoc. Prof. Dr. Mustafa Celebier	
14:00-14:30	<p>Inv 5: Prof. Dr. Mutay ASLAN-Akdeniz U/TR</p> <p>Liver-Kidney Functions, Sphingolipid Levels and Inflammation in Experimental ER Stress Model</p>
14:35-15:05	<p>Inv 6: Prof. Dr. Perihan UNAK-Ege U/TR</p> <p>Theranostics</p>
15:05-15:30	<p>OP6-Mahmure Ayşe Tayman-Ankara Yıldırım B U/TR</p> <p>Investigation of the Interaction between Oral Antiseptic Hormone Reagent</p>
	<p>OP7-Elif Tutun-Ege U/TR</p> <p>Extraction of Hypericin and Hyperforin from St. John's Wort (Hypericum perforatum L.) and Investigation of Wound Healing Potential</p>
	<p>OP8- Songul Ulusoy-Cumhuriyet U/TR</p> <p>Development new solid phase materials for determination of anticancer drugs at trace levels</p>

15:35-15:40	<i>Tea/Coffee break</i>
	Session 3: Chairs: Prof. Dr. Ozlem Sogut- Prof. Dr. Slawomira SKRZYPEK
15:40-16:10	Inv 7: Prof. Dr. Trajce Stafilov-Ss Cyril and Methodius U/MK Studies on Environmental Pollution with Potentially Toxic Elements in the Republic of North Macedonia
16:15-16:45	Inv 8: Prof. Dr. –Mustafa Tuzen-Gazosmanpasa U/TR Selenium speciation in water and food samples by using green extraction techniques
16:50-17:40	OP9-Mais Al-Nidavi-Near East U/TRNC Smartphone digital image colorimetry combined with reversed-phase switchable-hydrophilicity solvent liquid-liquid microextraction for the determination of copper in edible oils
	OP10-Gonul Serdar-Karadeniz Techn. U/TR Microwave Assisted Production of Gold Nanoparticles From Catechin Extract
	OP11- Bahire Filiz Senkal-Istanbul Techn. U/TR <i>Preparation of urethane functional poly (styrene) based sorbent for removing of mercury from water</i>
	OP12- S. Yigit Sain-Kirklareli U/TR Development and validation of an AAS method for quantitation of Class 1 and Class 2A elemental impurities in tablets
	OP13-Zeynep Atasayar- Mimar Sinan U/TR The Provenance of Iron Age Glass Beads: A Chemical and Isotopic Approach
	24 March, 2021
	Session 4 - Chairs: Prof. Dr. Yusuf Dilgin- Assoc Prof. Dr. Umran Seven Erdemir
10:00-10:30	Inv 9: Prof. Dr. Antony CALOKERINOS-Athen U/GR Recent Developments in the Quality Control of Natural Products
10:30-10:40	<i>Tea/Coffee break</i>
10:40-11:10	Inv 10: Prof. Dr. Arturs VIKSNA-Latvia U/LV Application of chemometric methods for assesment of monofloral and polyfloral honey
11:10-12:00	OP14-Etil Guzelmeric-Yeditepe U/TR Chromatographic studies on identification marker of honey originated from Pinus spp.
	OP15- Nur Cebi-Yildiz Techn. U/TR <i>Fish Oil Supplements in Turkey: Discrimination of Natural and Synthetic Forms of Fish Oil by FTIR, Raman and GC-MS Techniques Combined with Chemometrics</i>
	OP16- Tuğba BAYRAKTUTAN- İğdir U/TR Determination of Photophysical Properties of Coumarin 30 in Biomimic Igepal CO-520 Reverse Micelles
	OP17- Cemile Yucel- Dokuz Eylul U/TR Development of DLLME-SFOD/GC-MS Method for UV Filter Determination
	OP18- Gülşah ÖZCAN-SİNİR-Uludag U/TR Recent Applications of Analytical Techniques in the Determination of Olive Oil Adulteration
12:00-14:00	Lunch
	Session 5 -: Chairs: Prof. Dr. Mutay Aslan – Dr. Nagihan Karaaslan Ayhan
14:00-14:30	Inv 11: Prof. Dr. Ryszard LOBINSKI-CNRS Pau/FR Mass spectrometry for trace level biological metals speciation analysis
14:35-15:05	OP19- Biljana Balabanova-Goce Delčev U/MK Tracking moss bio-indication capacity for anthropogenic elements depositions using SEM analysis
	OP20- Burak Yaman-Gaziantep U/TR Assessment of health risks due to potentially toxic elements intake by infants and toddlers via consumption of Weaning Foods
	OP21- Emel Akbaba-Firat U/TR Shortening the time of extraction procededure for the determination of health-protective parameters of <i>Rosmarinus officinalis L.</i>
15:05-15:15	<i>Tea/Coffee break</i>
	Session 6 -: Chairs: Prof. Dr. Perihan Unak- Assoc Prof. Dr. Usama Alshana
15:15-15:45	Inv 12: Prof. Dr. Resat APAK- Istanbul U/TR Chemical Reaction Components of Colorimetric Sensor Design, Focusing on Antioxidants and Energetics Detection
15:50-	OP22-Jude Caleb - Near East U/TRNC

16:30	Smartphone digital image colorimetry combined with supramolecular solvent-liquid-liquid microextraction for the determination of curcumin in food samples
	OP23- Gonul Serdar -Karadeniz Techn. U/TR Green Synthesis of Gold Nanoparticles Using Mulberry Leaf Extract
	OP24- Dicle Cevik - Trakya U/TR Search for the Parthenolide Sources in Several Asteraceae Plants and Quality Evaluation of the Marketed Feverfew Supplements by HPTLC
	OP25- Deniz Karatas -Manisa Celal Bayar U/TR Investigation of Paclitaxel Drug Interaction with Molecular Docking
16:30-17:35	VP1- Agnese Osite -Latvia U/LV Impact of wood ash on nitrogen circulation in pine needles, blueberry, and lingonberry plants
	VP2- A. Nosal-Wiercińska - Maria Curie-Skłodowska U/PL Application of cyclically refreshable liquid amalgam film silver based electrode to study the kinetics and mechanism of Bi(III) ion electroreduction in the presence of 2-thiocytosine as regards of the "cap - pair" effect
	VP3-Volkan Yasakci -Ege U/TR A Pilot Study into the Effects of FluorodeoxyglucoseConjugated Iron Oxide Magnetic Nanoparticles on Adenocarcinoma in Mice, and Lung Cancer Cells in 3D Cell Culture Spheroids
	VP4 Hasan Karadag -Adiyaman U/TR The Decline of Glutathione Reductase Activity by Copper (II) Oxide Nanoparticles and Copper (II) Chloride
	VP5- Ikbal Gozde Kaptanoglu -Ege U/TR Eco-friendly Synthesis of Graphene for Removal of Pollutants from Aquatic Environments
	VP6- Cigdem Ichedef -Ege U/TR Stability Constants of Actinide Metal Ions with Selected Polyphenols
	VP7- Alpaslan Enes Oral -Ege U/TR Preparation of Murexide -Alginate Hydrogel Beads For Strontium Detection Using RGB Coordinates
	VP8- Umitcan Sedir -Ege U/TR Permeable Reactive Barrier Design for The Immobilization of Strontium Radionuclide
	VP9- I. Emir Akyildiz - Marmara U/TR Analysis of Isobaric Advanced Glycation End Products Instead of Furosine as an Early Stage Maillard Reaction Product for Quality Assessment of Food Samples
	VP10- I. Emir Akyildiz - Marmara U/TR Targeted Lipidomic Investigation of Royal Jelly Samples as a Rich Source of Sterols and Fatty Acids
	VP11- Merve Bat OZMATARA - Gebze Techn. U/TR Green Synthesis of Iron Nanoparticles Using Galium aparine Extract, Their Characterization and Antioxidant Activity
25 March, 2021	
10:00-10:30	Session 7- Chairs: Prof. Dr. Sibel A. Ozkan- Assoc Prof. Dr. Aysu Yarman
	Inv 13: Prof. Dr. Sezgin BAKIRDERE- Yildiz Techn. U/TR Novel Microextraction Strategies for Sensitive and Accurate Determination of Pesticides
10:30-10:40	Coffee
10:40-11:10	Inv 14: Prof. Dr. Bezhan CHANKVETADZE- Tbilisi U-GE Recent developments in enantioselective analysis of chiral drugs in capillary electromigration techniques
	OP26-Hakan Erdogan -Health Sci. U/TR Preparation of Peptide Based Low Molecular Weight Hydrogel Drug Carriers
11:15-12:05	OP27-A. Emin Atik -Acibadem U-Turgut Pharm/TR Analytical Characterization for the Comparability Evaluation of TUR03 Drug Substance and Innovator Lots by Mass Spectr.
	OP28-Nagihan Karaaslan Ayhan -Munzur U/TR Evaluation of antioxidant properties of yarrow depending on extraction mixing techniques
	OP29- Ozlem Oz -Harran U/TR Experimental Approach to Drug Interference in Biotidinase Assay with LC-MS / MS
	OP30- Murat Caglayan - Health Sci. U/TR The Effect of Contrast Media on Biotidinase Analysis Performed with Dry Spot Test
	OP31- Musa Erdogan -Kafkas U/TR Synthesis and molecular docking study of some dibenzazepine-triazole hybrid derivatives as potential drug candidates for the treatment of Epilepsy's disease

12:10-14:00	Lunch
	Session 8- Chairs: Prof. Dr. Nil Ertas- Assoc Prof. Dr. Emine Akyuz Turumtay
	Inv 15: Prof. Dr. Mustafa CULHA – South Florida U/TR Surface-enhanced Raman Scattering for Early Cancer Detection and Cancer Diagnosis
14:00-14:30	
	Inv 16: Prof. Dr. Mustafa Kemal SEZGINTURK–Canakkale 18 Mart U/TR Lateral Flow Assays towards point-of-care COVID-19 detection
14:35-15:05	
	OP32-H. Mehmet Kayili- Karabuk U/TR In-depth Profiling of Milk Whey N-glycans by MALDI-MS using Linkage-Specific Sialic Acid Esterification Approach
15:10-15:30	OP33- Tayyibe Beyza YÜCEL-Giresun U/TR PAH analysis of mussel samples collected from Giresun coastline-Black Sea
15:30-15:40	Coffee
	Session 9- Chairs: Prof. Dr. B. Filiz Senkal- Dr. Emel Akbaba
	Inv 17: Dr. Lukasz Poltorak-Lodz U/PL Electroanalytical Applications of Miniaturized and Electrified Liquid-Liquid Interfaces
15:40-16:10	
	VP12- Marina Serin -Ege U/TR Aptamer-based Nanobiosensing Strategies Using Graphene Oxide Devoted for Clinical Analysis
16:15-16:45	VP13- Samad Babatope Ibrahim-Dokuz Eylul U/TR Elemental Composition, Antioxidant Activities and Identification of Volatile Compounds in Goji Berries
	VP14- Hasan Karadag-Adiyaman U/TR Alterations in Superoxide Dismutase Activity and Malondialdehyde Level of Blood Tissue of Cyprinus carpio Caught from the Polluted and Unpolluted Regions in the Atatürk Dam Lake
	VP15- Hande Izem Ozok-Ege U/TR Nanomaterial-free and Carbon nanotube-based Rapid Electrochemical Genosensor for the detection of Escherichia coli
	VP16-Ozlem Faiz- Recep Tayyip Erdogan U/TR Investigation Of Biological Activities Of Water And Methanol Extracts Of Hazelnut Leaf-Blueberry (Ericaceae), Buckwheat - Sorrel (Polygonaceae) Species The Role Of These Species In Our Nutrition
	26 March, 2021
	Session 10- Chairs: Prof. Dr. Sezgin Bakirdere- Prof. Dr. Şule AYTAŞ
	Inv 18: Dr. Barbara BURNAT-Lodz U/PL Carbon ceramic electrode as a powerful tool for electroanalysis
10:00-10:30	
	OP34- Nur Cebi-Yildiz Techn. U/TR The Famous Turkish Rose Essential Oil: Characterization and Authenticity Monitoring by FTIR, Raman and GC-MS Techniques Combined with Chemometrics
	OP35- Fatma Kursun Baysak-Kirklareli U/TR Pervaporation Separation of Ethyl Alcohol–Water Liquid Mixtures Using Poly(vinyl alcohol)/(Chitosan-g-Poly(N,N-Dimethylacrylamide)) Membranes
	OP36-Hakan Serbest- Yildiz Techn. U/TR Development of a Sensitive Analytical Method for the Determination of Rhodium in Metal Coating Wastewater Samples using Microextraction Strategy-Slotted Quartz Tube-Flame Atomic Absorption Spectroscopy
	OP37- Nurdan Kurnaz Yetim- Kirklareli U/TR Color removal of dyes using immobilized enzyme
10:35-12:05	OP38- Cemile Ozcan- Kirklareli U/TR Recovery of Boron by Using Poly (vinyl alcohol)/(Chitosan-g-Poly (N, N-Dimethylacrylamide)) Membranes by Pervaporation Method
	OP39- Selinnur Yildiz-Yildiz Techn U/TR Purification and Characterization of Plum (Prunus Insititia) Polyphenol Oxidase Enzyme
	OP40- Elif Öztürk Er- Yildiz techn U/TR Colorimetric detection of cysteine using magnetic iron oxide – carbon dots as peroxidase mimetics
	OP41- Elif Aybike Berberoğlu- Kirklareli U/TR Use of ZnO nanoflowers for heavy metal ion adsorption
12:30	Closing