



PBA2023

33rd International Symposium on Pharmaceutical and Biomedical Analysis

SCIENTIFIC PROGRAM



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02-06 July 2023
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July 2, 2023 - Sunday

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|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 07.30-17.00 | Registration | | |
| | Lecture Hall 1 (A1) | Lecture Hall 2 (A2) | Lecture Hall 3 (A3) |
| 08.30-15.00 | COURSE 1 Analytical Challenges in Drug Development: Need in Orthogonal Chromatographic Methods Vladimir Ioffe | COURSE 2 SPME: New Developments and Pharmaceutical Applications Janusz Pawliszyn, Wei Around Zhou, Barbara Bojko, Ezel Boyaci | COURSE 3 Sensors and Applications Alberto Escarpa, Mamas Prodromidis, Gustavo Rivas |
| 10.45-11.00 | Coffee Break | Coffee Break | Coffee Break |
| 11.00-12.30 | COURSE 1 (Continues) | COURSE 2 (Continues) | COURSE 3 (Continues) |
| 12.30-13.30 | Lunch | Lunch | Lunch |
| 13.30-15.00 | COURSE 1 (Continues) | COURSE 2 (Continues) | COURSE 3 (Continues) |
| | Hall A | | |
| 17.00-17.45 | Opening Ceremony | | |
| 17.45-18.30 | Session Chairs: Sibel A. Ozkan, Gustavo Rivas PL 1 - Bezhan Chankvetadze Recent Challenges and Trends in Enantioselective Analysis of Chiral Drugs | | |
| 19.15-21.00 | Welcome Reception | | |

July 3, 2023 - Monday

| | | |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Hall A | |
| 09.00-09.45 | Session Chairs: Bezhan Chankvetadze, Attila Felinger PL 2 - Frantisek Svec (Hi)story of chromatography: Monoliths | |
| 09.45-10.00 | Coffee Break | |
| | Hall A | Hall B |
| | Session Chairs: Bezhan Chankvetadze, Attila Felinger | Session Chairs: Zhengjin Jian, Jacques Crommen |
| 10.00-10.30 | KL 1 - Szabolcs Beni Teaching the old dog new tricks: Characterization of sugammadex and its various complexes | KL 2 - Ann Van Schepdael Impact of sterilization on the chemical composition of a selection of active pharmaceutical ingredients |
| 10.30-11.00 | KL 3 - Emmanuelle Lipka From analytical to preparative scale in chiral supercritical fluid chromatography: Economy, challenge, opportunity | KL 4 - Sandra Furlanetto New trends in Quality Control: New compendial and ICH guidelines outlining Quality by Design (QbD) principles |
| 11.00-11.20 | IL 1 - Paola Peluso Integrating experimental and computational approaches to study enantioselective recognition in liquid-phase enantioseparations | IL 2 - Vladimir Ioffe Not Only Reverse Phase... A Need to Use Alternative HPLC Techniques for Pharmaceutical Analysis |
| 11.20-11.35 | OP 1 - Tamar Khatiaashvili Photochemical immobilization of cellulose tris(3-chloro-5-methylphenylcarbamate) on silica and its use for separation of enantiomers in high-performance liquid chromatography | OP 2 - Chee-Leong Kee Analytical methodologies and challenges in the analysis of synthetic phosphodiesterase type 5 inhibitors (PDE-5i) found as adulterants in health supplements |
| 11.35-11.50 | OP 3 - Baochun Shen The Enantioseparation of Chiral Compounds by Chiral Stationary Phases | OP 4 - Murat Ozdemir Quantitative Analysis of Estradiol and Estradiol Metabolites by UPLC-MS/MS Method |
| 11.50-13.30 | Lunch and Vendor Seminars (Metrohm) Pablo Fanjul Bolado Recent advances in Raman and Surface Enhanced Raman Spectroelectrochemistry in analytical applications | |

July 3, 2023 - Monday

| | Hall A | Hall B |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Session Chairs: Paola Peluso, Emmanuelle Lipka | Session Chairs: Chiara Fanali, Ann Van Schepdael |
| 13.30-14.00 | KL 5 - Gerhard Scriba Analyte Complexation and Chiral Separations in Capillary Electrophoresis | KL 6 - Attila Feller Thermodynamics of Liquid Chromatography |
| 14.00-14.20 | IL 3 - Antonio Salgado NMR studies on the elucidation of the (unusual) structure of selector-selectand aggregates between daclatasvir and some cyclodextrins | IL 4 - Alessandra Gentili Advances in Solid Phase Extraction: the evolution of carbon-based sorbents |
| 14.20-14.35 | OP 5 - Ann Gogolashvili Mechanistic studies on enantioselective noncovalent selector-selectand interactions using capillary electrophoresis, nuclear magnetic resonance spectroscopy and isothermal titration microcalorimetry | OP 6 - Lukasz Ciesla Novel solutions in drug discovery from complex natural matrices for the prevention and treatment of neurodegenerative diseases |
| 14.35-14.50 | OP 7 - Pavel Jác Development of capillary electrophoresis-mass spectrometry method for the simultaneous analysis of boswellic acids and non-steroidal anti-inflammatory drugs | OP 8 - Donay Yuvali Determination of Tamoxifen in Biological Fluids Using Liquid-Phase Microextraction and Liquid Chromatographic Analysis |
| 14.50-15.05 | OP 9 - Nevin Oztekin Separation and determination of enantiomers of 2-hydroxyglutaric acid in urine by capillary electrophoresis with contactless conductivity detection | OP 10 - Sercan Yildirim A deep eutectic solvent-based ferrofluid for vortex-assisted liquid-liquid microextraction of nonsteroidal anti-inflammatory drugs from environmental waters |
| 15.05-16.15 | Coffee Break and Poster Session-1 | |

July 3, 2023 - Monday

| | Hall A | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| | Session Chairs: Sandra Furlanetto, Szabolcs Beni | Session Chairs: Alain Walcarius, Alberto Escarpa |
| 16.15-16.45 | KL 7 - Kenji Hamase Three/four-Dimensional Chiral HPLC Analysis of Amino Acids in Mammals; Their Origins, Regulation Systems and Diagnostic Values | KL 8 - Zbigniew Brzozka Cell-on-a-chip microsystems – alternative in vitro models to study effectiveness of medical therapies |
| 16.45-17.00 | OP 11 - Chiharu Ishii Selective Determination of D-Amino Acids in Human Plasma Using a Two-Dimensional LC-MS/MS System Toward Early-Diagnosis of Chronic Kidney Disease | OP 12 - Uzeyir Dogan Development of a method for quantification of some metallic content of Humulus lupulus L. plant with ICP-OES |
| 17.00-17.15 | OP 13 - Rusudan Kakava Synthesis of chiral sulfoxides and study of structure-retention and structure-enantioselectivity relationships | OP 14 - Leyla Karadurmus A molecularly imprinted polymer-based electrochemical sensor for the determination of Emtricitabine |
| 17.15-17.30 | OP 15 - Markus Ganzera Mycosporine Like Amino Acids – Isolation and Analysis of Promising Marine Sunscreens | OP 16 - Aytekin Uzunoglu Inkjet-Printing of MXene/Holey CNT-based Inks for the Construction of Flexible Nicotine Sensors |
| 17.30-17.45 | OP 17 - F. Bedia Erim Biopolymers as antibacterial wound dressing and controlled drug release agents | OP 18 - Inci Uludag An Immunosensor Using A Specific Aptamer as A Bioreceptor for Quantification of Sarcosine |
| 19.00-19.30 | Ministry of Culture & Tourism Ankara State Turkic World's Music & Folk Dance Ensemble | |

July 4, 2023 - Tuesday

| | | | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Hall A | | |
| 09.00-09.45 | Session Chair: Zuhre Senturk PL 3 - Jean-Michel Kauffmann Trends in Analytical Chemistry | | |
| 09.45-10.00 | Coffee Break | | |
| | Hall A | Hall B | Hall C |
| | Session Chairs: Zbigniew Brzozka, Susana Campuzano | Session Chairs: Stig Pedersen-Bjergaard, Michal Markuszewski | Session Chairs: Jiri Homola, Mamas Prodromidis |
| 10.00-10.30 | KL 9 - Can Dincer Disposable sensors for next-generation point-of-care diagnostics | KL 10 - Andras Guttman Size, charge, and N-glycosylation variant analysis of the anti-COVID-19 monoclonal antibody bamlanivimab by capillary gel electrophoresis | KL 11 - Federico Marini New Chemometric-Based Strategies for Pharmaceutical and Biomedical Analysis |
| 10.30-11.00 | KL 12 - Alain Walcarius Interest oriented mesoporous silica films for the electrochemical detection of biologically relevant species | KL 13 - Serge Rudaz From untargeted metabolomics to longitudinal targeted monitoring in clinics | KL 14 - Ashraf Ghanem Chirality post COVID: Challenges, Adaptations, and Future Prospects |
| 11.00-11.20 | OP 19 - Mehmet Bulent Ozer Acoustic Particle Manipulation in 3-D Printed Acoustophoretic Microfluidic Chips | IL 6 - Chiara Fanali Recent results in food sample preparation employing deep eutectic solvents | IL 7 - Daniel Quesada-González Lateral Flow Tests: Signal Enhancement Methods and Future Trends for Diagnostics |
| 11.20-11.35 | OP 22 - Dilsat Ozkan-Ariksoysal An Overview of Current Approaches in Quantum Dot-Based Electrochemical DNA Biosensors and Their Potential for Use in the Diagnostic Kit Field | OP 20 - Mustafa Celebier Unveiling the Metabolic Signature of Preeclampsia: A Promising Analytical Tool for Early Detection | OP 21 - Ezgi Salmanli A New Competitive Lateral Flow Immunoassay Test for Rapid Detection of Total Antibody in Vaccinated Puppies Serum Against Canine Parvovirus-2 |
| 11.35-11.50 | | OP 23 - Jingwu Kang Drug Target identification by Integrative Analysis of Photoaffinity Labeling Chemoproteomics and Untargeted Metabolomics | OP 24 - Aysun Dincel Simultaneous spectrophotometric analysis of emtricitabine and tenofovir disoproxil fumarate in pharmaceutical formulation |
| 11.50-12.05 | Symposium Photo | | |

July 4, 2023 - Tuesday

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Hall A | | |
| 12.05-13.30 | Lunch and Vendor Seminars (CAS Life Sciences and SciFinder Discovery Platform) Görkem Mergen CAS Life Sciences and SciFinder Discovery Platform | | |
| | Hall A | Hall B | Hall C |
| | Session Chairs: Andras Guttman, Barbara Bojko | Session Chairs: Federico Marini, Bekir Salih | Session Chairs: Kenji Hamase, Gabriella Masolini |
| 13.30-14.00 | KL 15 - Zuhre Senturk The Story of the 100-Year Path of Voltammetry, Starting with Drops of Mercury and Reaching the Mysterious Shores of the Brain | KL 16 - Martin Vogel Electrochemistry/mass spectrometry – a versatile tool to mimic the metabolism of drug substances | KL 17 - Zhengjin Jiang Rapid purification and separation of antibody drugs based on epitope-mimetic peptide recognition technology |
| 14.00-14.20 | IL 8 - Francesco Busardo Development of enantioselective high-performance liquid chromatography-tandem mass spectrometry method for quantitative determination of methylen and some of its metabolites in oral fluid | IL 9 - Sezgin Bakirdere Trends in analytical strategies for the determination of pharmaceuticals | IL 10 - Marcello Locatelli Emerging challenges for Analytical Chemistry in the Pharmaceutical and Biomedical Analysis |
| 14.20-14.35 | OP 25 - Annagiulia Di Trana The role of analytical pharmacotoxicology in addressing the main functions of the National Early Warning System on NPS | OP 26 - Fahad S Aldawsari An analytical debate regarding nitrite analysis in raw materials associated with nitrosamine occurrence in finished products; the importance of selecting a precise testing methodology | OP 27 - Fazole Ozdemir The Effect of Pharmacokinetic Genes Polymorphisms to the Plasma Clozapine and Norclozapine Levels in Patients with Schizophrenia |
| 14.35-14.50 | OP 28 - Véronique Gilard Benchtop-NMR for the detection of undeclared drugs in e-liquids and aphrodisiac honeys | OP 29 - Onur Bender Targeting FLT3/ITD mutation in acute myeloid leukemia: lessons from natural compounds | OP 30 - Ummuye Nur Tuzun Electrochemical development of poly(L-alanine)-gold nanoparticles-modified electrode for the determination and mechanism of antipsychotic drug olanzapine |
| 14.50-15.05 | OP 31 - Demet Dincel Therapeutic drug monitoring of the free and total valproic acid in human plasma by LC-MS/MS | OP 32 - N. Neslihan Bozkurt LC-MS/MS-Based Quantitative Analysis of A Tricyclic Antidepressant and Its Major Metabolite | OP 33 - Abd Al Rahman Mohammad Faez Asfour Investigation of New Thiazole Derivatives and their Biological Effects |

July 4, 2023 - Tuesday

| | | | |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.05-16.15 | Coffee Break and Poster Session-2 | | |
| | Hall A | Hall B | Hall C |
| | Session Chairs: Markus Ganzera, Martin Vogel | Session Chairs: Lukasz Ciesla, Francesco Busardo | Session Chairs: Alessandra Gentili, Sezgin Bakirdere |
| 16.15-16.45 | KL 18 - Davy Guillaume Innovative chromatographic strategies to improve the characterization of oligonucleotides | KL 19 - Stig Pedersen-Bjergaard Electromembrane extraction of peptides | KL 20 - Bekir Salih Current state-of-the-art Ion Mobility and Mass Spectrometry-based Analyses of Pharmaceuticals and Biomolecules |
| 16.45-17.00 | OP 34 - Guo Jialiang Screening of trypsin inhibitors in <i>Cotinus coggygia</i> Scop. extract using at-line nanofractionation coupled with semi-preparative reverse-phase liquid chromatography | OP 35 - Jonathan Maurer Peptide assays: An ounce of pre-analytics is worth a pound of cure | OP 36 - Nadia Bounoua An overview in the chiral separation of azole compounds using some analytical methods |
| 17.00-17.15 | OP 37 - Khaldun Mohammad Al Azzam Enhancement of Apixaban's Solubility and Dissolution Rate by Inclusion Complex (β -Cyclodextrin and Hydroxypropyl β -Cyclodextrin) and Computational Calculation of their Inclusion Complexes | OP 38 - Joanna Bogusiewicz The lipidomic landscape of different mutations in human brain tumors. | OP 39 - Anil Yilmaz Synthesis of Novel Oxime and Benzofuran Chemical Frameworks Possessing Potent Anticholinesterase Activity: A SAR Study Related to Alzheimer Disease |
| 17.15-17.30 | OP 40 - Zeynep Ozdemir Quantification of Carbamazepine Profile in Human Plasma by GC-MS | OP 41 - Mine Ensoy Vulpinic Acid Induces Ferroptosis by Increasing ROS Level and Changing Expression Profile of Ferroptosis Related Genes in Breast Cancer | OP 42 - Nuran Gokdere Green synthesis and characterization of silver nanoparticles using <i>Pyracantha coccinea</i> M.J. Roem and their antibacterial, antibiofilm and anti quorum sensing activities |
| 17.30-17.45 | OP 43 - Sara Tengattini HILIC-MS-driven optimization of protein glycosylation via disuccinimidyl linker for pure glycoconjugate vaccine synthesis | OP 44 - Canan Ozyurt Development of a Fluorescence-Based Nucleic Acid Biosensor for the Detection of Bacterial Protease Enzyme | OP 45 - Mohamed Nadjib Chiral Separation and Absolute Configuration Assignment of Racemic Bioactives Molecules |

July 5, 2023 - Wednesday

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|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Hall A | | |
| 09.00-09.45 | Session Chair: Ezel Boyaci PL 4 - Janusz Pawliszyn Development of Green Analytical Devices for Clinical and Medical Applications | | |
| 09.45-10.00 | Coffee Break | | |
| | Hall A | Hall B | Hall C |
| | Session Chairs: Bobak Mosadegh, Maria Montes Bayon | Session Chairs: Ellia Psillakis, Serge Rudaz | Session Chairs: Antonio Salgado, Daniel Quesada-González |
| 10.00-10.30 | KL 21 - Firat Guder Flexible and Stretchable Sensors for Physiological Monitoring and Rehabilitation | KL 22 - Rafael Lucena Biopolymer sorptive phases in bioanalysis | KL 23 - Mamas Prodromidis Wax screen printed fabric-based colorimetric microfluidic wearable biosensor for the determination of biomarkers in sweat - |
| 10.30-11.00 | KL 24 - Susana Campuzano What can bioelectroanalysis do for decentralized and sustainable precision medicine? | KL 25 - Barbara Bojko Solid phase microextraction - new diagnostic tool in transplant surgery | KL 26 - Jiri Homola Plasmonic biosensors for biomedicine |
| 11.00-11.20 | IL 11 - Esen Bellur Atici Synthesis, analysis, risk-knowledge-data-based process & impurity evaluation of drug substances | IL 12 - Ezel Boyaci Recent Advances in Targeted and Untargeted Metabolomics with Solid Phase Microextraction | IL 13 - M. Asunción Alonso-Lomillo Sensors on pharmaceutical and biomedical electroanalysis |
| 11.20-11.35 | OP 46 - Verónica Serafín Electroanalytical biotools to advance food allergy at different molecular levels | OP 47 - Leon Reubsaet Smart sampling: next-generation DBS samplers for LC-MS based protein analysis | OP 48 - Sineenat Siri Colorimetric aptasensor for paraquat detection based on truncated DNA aptamer and gold nanoparticles |
| 11.35-11.50 | OP 49 - S. Irem Kaya Development of selective and sensitive MIP-based electrochemical sensor for Quercetin determination from Rubus sanctus, Fragaria vesca extracts and some herbal supplements | OP 50 - Wei Zhou Recessed solid-phase microextraction acupuncture needle for in vivo tissue sampling and direct analysis by mass spectrometry via automated microfluidic open interface | OP 51 - Supamas Napavichayanun A new artificial saliva containing cumin and ginger for stimulating saliva secretion |

July 5, 2023 - Wednesday

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|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.50-13.00 | Lunch and Vendor Seminars Sultan Süleyman Ökten, Regional Sales Manager, EBSCO Information Services Publishing Open Access with American Chemical Society (ACS): Read & Publish | | |
| | Hall A | | |
| 13.00-13.45 | Session Chair: Jean-Michel Kauffmann PL 5 - Gustavo Rivas Integrating exfoliation and (bio)recognition properties in carbon nanotubes. Biosensing applications | | |
| | Hall A | Hall B | Hall C |
| | Session Chairs: Can Dincer, Jean-Michel Kauffmann, Gustavo Rivas, Suna Timur, Zbigniew Brzozka, Firat Guder | Session Chairs: Jacques Crommen, Bezhan Chankvetadze, Janusz Pawliszyn, Vladimir Ioffe, Salvatore Fanali, Davy Guillaume | Session Chairs: Antonio Salgado, Daniel Quesada-González |
| 13.45-13.55 | YS 1 - Vuslat B. Juska Multiplexed miniaturised microfabricated silicon devices for electrochemical biosensing: from chemical to biological systems | YS 16 - Timothy Joseph Bushman Bacterial Espresso? Accelerated Solvent Extraction of Bacterial Cell Pellet as a Method for the Improved Extraction Recovery of Selected Metabolites | YS 31 - Pakawat Kongpreecha Development of colorimetric aptasensor for detection of 17 β -estradiol in milk based on newly designed aptamers and gold nanoparticles |
| 13.55-14.05 | YS 2 - Dogus Akboga Living Biosensors with Synthetic Genetic Circuits to Monitor Nanomaterial and Heavy Metal Triggered Toxicity | YS 17 - Ummugulsum Polat Application of Magnetic Solid Phase Extraction for Sensitive and Simultaneous Analysis of Glipizide and Pravastatin Drugs in Synthetic Urine Samples with HPLC-DAD | YS 32 - Kubra Turan Development of Electrochemical Sensor Based on Glassy Carbon Electrode Modified with CeO ₂ /PNMA/fMWCNTs composite for Simultaneous Detection of Uric Acid and 5-Fluorouracil |
| 14.05-14.15 | YS 3 - Tugba Nur Bozkurt A novel decision support system based on feature extraction, feature ranking, feature selection for accurate diagnosis of diseases using medical images | YS 18 - Tugce Unutkan Gosterisli A liquid phase microextraction method for extraction and preconcentration of parabens in lipstick samples prior to high performance liquid chromatography - UV detection | YS 33 - Raghad Alhardan A novel electrochemical tyrosinase biosensor for the monitoring inhibition of Rosmaniric acid from plants |
| 14.15-14.25 | YS 4 - Alara Karaman Cell and Microparticle Manipulation Using Acoustic Waves in Microchannels | YS 19 - Suleyman Bodur Determination of chloroquine phosphate at trace levels in human serum, saliva and urine samples by gas chromatography-mass spectrometry after vortex assisted spraying based fine droplet formation liquid phase microextraction | YS 34 - Manolya Mujgan Gurbuz The first electrochemical sensor for the determination of Ibrutinib in human serum in the presence of anionic surfactant |

July 5, 2023 - Wednesday

| | Hall A | Hall B | Hall C |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14.25-14.35 | YS 5 - Orelia Cerlati Insight into A β /membrane lipids/metal ion interplay in the context of Alzheimer's disease | YS 20 - Sezin Erarpat Determination of Vitamin B12 in vitamin tablets by high performance liquid chromatography combined with flame atomic absorption spectrophotometry with a novel nebulizer interface supported T-shaped slotted quartz tube | YS 35 - Zeynep Caglayan Arslan Detection of Mutations on ctDNA Samples with All-MEMS Photoelectrochemical Sensor |
| 14.35-14.45 | YS 6 - Meryem Beyza Avci Portable handheld biosensing platform for point-of-care virus detection in field settings | YS 21 - Cemil Can Eylem 180 assisted GC-MS based fluxomics analysis for central carbon metabolism intermediates in colorectal cancer cell line | YS 36 - Ulfet Erdogan Uzunoglu Determination of Liposomal Vitamin C Using Polarography |
| 14.45-14.55 | YS 7 - Ayse Necla Akilli Direct Determination of Surface Proteins in Leishmania | YS 22 - Seyma Nigiz Molecular and metabolic characterization of multi-drug resistant isolates of Acinetobacter baumannii | YS 37 - Pelin Senel Spectroscopic and electrochemical studies on the interactional of purine nucleoside antimetabolite Clofarabine with double helix deoxyribonucleic acid |
| 14.55-15.20 | Coffee Break | | |
| 15.20-15.30 | YS 8 - Arnon Buntha Development of fluorescent aptasensor to detect 17 β -estradiol in human blood | YS 23 - Fabian Hammerle Sophisticated mass spectrometry-based techniques for the identification of novel mycosporine-like amino acids in marine organisms | YS 38 - Busra Sevim Evaluation of Thermal and Structural Stability of Pediocin PA-1 Mutants with MD Simulations |
| 15.30-15.40 | YS 9 - Merve Calimci High-yield and facile genomic DNA extraction method on glass fiber strip for LAMP PCR based pathogenic bacteria detection | YS 24 - Veselina Adimcilar Fast and Sensitive Determination of Orotic Acid in Urine Samples with Capillary Electrophoresis Coupled with Contactless Conductivity Detection | YS 39 - Abdullah Al Faysal Elucidation of binding interactions and mechanism of tyrosine kinase inhibitor Axitinib with dsDNA via multi-spectroscopic and voltammetric studies |

July 5, 2023 - Wednesday

| | Hall A | Hall B | Hall C |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.40-15.50 | YS 10 - Nina Felli Hyper-crosslinked β -cyclodextrin polymer as a sustainable sorbent for bioanalytical applications | YS 25 - Hatice Demirtas Enhancing Anticancer Potential: Optimization of Niclosamide-Loaded Lipid Nanocapsules for Improved Delivery and Quantification | YS 40 - Sevilay Erdogan Kablan A Validated Electrochemical Method for Quantification of Molnupiravir in Capsule Dosage Forms |
| 15.50-16.00 | YS 11 - Nilay Kahya Controlled release of silver sulfadiazine from CeO ₂ -loaded chitosan composite films as potential wound dressings | YS 26 - Ceren H. Bozmaoglu Solid Lipid Nanoparticles Loaded with Vemurafenib: A Promising Approach for the Treatment of Metastatic Melanoma | YS 41 - Nilay Bilgin Saritas Photodegradation of favipiravir and oseltamivir in the presence of microplastics |
| 16.00-16.10 | YS 12 - Meltem Okan An Upconverting Nanoparticle based Photoelectrochemical Sensor for the Detection of ctDNA | YS 27 - Lorenzo Antonelli A new nano-composite material from recycled PLA for magnetic dispersive solid-phase extraction | YS 42 - Hayrani Eren Bostanci The Effect of Vitamins on Oxidation in Experimentally Diabetes Conditioned Rats |
| 16.10-16.20 | YS 13 - Semih Calamak Colloidal Silver Nanoparticle Color Change Determination Using Digitized RGB Intensities as a Smartphone Readout for Sensing Application | YS 28 - Nevin Ulas Colak Two-step microwave extraction with NADES and biological activity comparison of Origanum Michrantom and Origanum Minutiflorum Plants | YS 43 - Husyein Oguzhan Kaya Electrochemical Biosensors for Healthcare Applications |
| 16.20-16.30 | YS 14 - Fatma Kurul Advancing Single Cell Growth Measurement: A Plasmonic Functional Assay Platform with Refractive Index Sensing | YS 29 - Ayse Nur Buke Determination of The Dissolution of Hypericin From Polymeric Nanoparticles by HPLC Analysis | YS 44 - Marina Serin Development of a prototype biosensor to determine the severity of demyelination due to diabetic neuropathy in serum |
| 16.30-16.40 | YS 15 - Ibrahim Gadashli Comparison of antibody and lobaric acid small molecule application in the treatment of ovarian cancer at the transcriptome level in the IL-6R / STAT3 / PD-L1 pathway | YS 30 - Sinem Demir Drug release profiles of Atenolol and Benidipine from pHresponsive polymeric hydrogel matrix | YS 45 - Ozum Ozoglu Development of N-doped Holey Graphene-based Aqueous Inks to Construct Flexible Electrochemical Sensors |
| 17.30-18.15 | Ottoman Historical Band and Traditional Dance Show | | |
| 19.30-22.00 | Gala Dinner | | |

July 6, 2023 - Thursday

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|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Hall A | |
| 09.00-09.45 | Session Chair: Salvatore Fanali PL 6 - Maria Montes Bayon Bioanalytical tools to evaluate the capabilities of iron oxide nanoparticles decorated with cisplatin (IV) as drug delivery systems in cell models. | |
| 09.45-10.00 | Coffee Break | |
| | Hall A | Hall B |
| | Session Chairs: Rafael Lucena, Marcello Locatelli | Session Chairs: M. Asunción Alonso-Lomillo, Gerhard Scriba |
| 10.00-10.30 | KL 27 - Elia Psillakis Designing for a green analytical chemistry future | KL 28 - Alberto Escarpa Micromotors in action: smart microsensors swimming in a concept or a futuristic reality? |
| 10.30-11.00 | KL 29 - Caterina Temporini Challenges and Advances in Extracellular Vesicles Analysis | KL 30 - Suna Timur Biofunctional Nanostructures, In vitro Diagnostics Platforms |
| 11.00-11.15 | IL 5 - Bobak Mosadegh Soft Robotic Sensing Array Catheters for Cardiac Arrhythmias | OP 53 - Aysegul Golcu Investigation of binding constants of some small molecules to deoxyribonucleic acid in solution medium |
| 11.15-11.30 | OP 52 - Erica Aparecida Souza Silva Chloroformate derivatization combined with HS-SPME-GC/MS for determination of SCFAs in mice liver: a proof of concept | OP 55 - Bilal Kizilelma Carbon based electrochemical immunosensor for malignant tumors marker anti-SOX2 detection |
| 11.30-11.45 | OP 54 - Zahirul Kabir On the transport of an anticancer drug, leflunomide in human blood circulation as studied by multi-spectroscopic and computational investigations. | OP 57 - Zeynep Aydogmus Electrochemical design of two new sensors based on graphene nanoparticles and polymer resin -modified carbon paste electrodes for the determination of Tenofovir and Entecavir |
| 11.45-12.00 | OP 58 - Kemal Cetin Production of a hybrid structure consisting of polycaprolactone electrospun nanofiber and poly(2-hydroxyethyl methacrylate)-based cryogel for 5-fluorouracil release | OP 59 - Elif Burcu Aydin A label-free electrochemical magneto immunosensor for celiac disease |
| 12.00-12.15 | OP 60 - Zeynep Kalaycioglu The affinity of dopamine and serotonin to serum albumin: Capillary electrophoresis-frontal analysis and in-silico molecular docking approaches | OP 61 - Ece Ozkan Molecularly Imprinted Electrochemical Sensor For The Selective and Sensitive Determination Of Venetoclax In Pharmaceuticals and Human Serum |

July 6, 2023 - Thursday

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|-------------|---------------------------------------------------------------------------------------------------|
| 12.15-13.00 | Lunch |
| | Hall A |
| | Session Chairs: Sibel A Ozkan, Bezhan Chankvetadze |
| 13.00-13.20 | IL 14 - Mehmet Ozsoz CRISPR Powered Electrochemical Biosensors |
| 13.20-13.50 | KL 31 - Salvatore Fanali Nano-liquid chromatography: recent advances in chiral analysis |
| 13.50-14.20 | Closing Ceremony Session Chairs: Sibel A Ozkan, Bezhan Chankvetadze |

POSTER PROGRAM

POSTERS / July 3, 2023 - Monday

| Pub No | Title | Authors | Presenter |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| PM-01 | Electrochemical Nanosensor Development for the Determination of VEGFR Tyrosine Kinase Inhibitor Drug Axitinib | Ahmet Cetinkaya, S. Irem Kaya, Pelin Senel, Nejla Cini, Esen B. Atici, Sibel A. Ozkan, Mine Yurtsever, Aysegul Golcu | Ahmet Cetinkaya |
| PM-02 | Simultaneous determination of hydroquinone and catechol using highly conductive ketjen black screen-printed electrodes treated with electrical discharge | Mamas Prodromidis, Maria Trachioti | Mamas Prodromidis |
| PM-03 | SARS-CoV-2 Detection By A Novel QTF Based Immunosensor | Bahar Ince, Mehmet Kavacik, Mehmet Altay Unal, Mustafa Kemal Sezginturk, Sibel Aysil Ozkan | Bahar Ince |
| PM-04 | Construction of a sensitive electrochemical magneto-biosensor based on functionalized magnetic particles for anti-transglutaminase antibody detection | Muhammet Aydin, Elif Burcu Aydin, Mustafa Kemal Sezginturk | Muhammet Aydin |
| PM-05 | Impact of the solid state on the sterilization of indomethacin | Karyna Krupianskaya, Guy Van Den Mooter, Erik Haghebooren, Ann Van Schepdael | Karyna Krupianskaya |
| PM-06 | Fabrication of sustained release biodegradable clove essential oil loaded nanoparticles and evaluation of its morphological and biological characteristics. | Misbah Hameed, Akhtar Rasul, Sumera Latif, Sairah Hafeez Kamran, Hafsa Afzal | Misbah Hameed |
| PM-07 | The first report for the electrochemical investigation of a new tyrosine kinase inhibitor vandetanib: Its voltammetric determination in biological samples with the presence of anionic surfactant using a carbon paste electrode | Pinar Talay Pinar, Cihat Mete, Zuhre Senturk | Pinar Talay Pinar |
| PM-08 | SERS based exosome detection using paper substrates | Elif Calik Kayis, Hilal Torul, Sevda Akay Sazaklioglu, Sevda Akay Sazaklioglu, Huseyin Celikkan, Hafize Eda Vatansever, Hafize Eda Vatansever, Ugur Tamer | Elif Calik Kayis |
| PM-09 | Selective, and sensitive voltammetric detection of antibacterial drug linezolid using designing and fabrication of electrochemical nanosensor TiO ₂ nanoparticles and MWCNT-COOH modified glassy carbon electrode in environmental samples | Nida Aydogdu, Nida Aydogdu, Nida Aydogdu, Ersin Demir, Sibel A. Ozkan | Nida Aydogdu |
| PM-10 | Electrochemical enzymatic biosensor based on a novel conducting polymer and NH ₂ functionalized quantum dots for the sensitive detection of catechol | Gulsu Keles, Raghad Alhardan, Sevki Can Cevher, Saniye Soylemez, Ali Cirpan, Levent Toppare, Sevinc Kurbanoglu | Gulsu Keles |
| PM-11 | Disposable electrochemical sensor for the analysis of cholesterol | Olga Dominguez-Renedo, Paula Hoyuelos Manso, M. Asunción Alonso Lomillo | Olga Dominguez-Renedo |

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| PM-12 | Novel benzimidazolium salts and their silver (I)-N-heterocyclic carbene complexes: Synthesis, characterization, and their biological properties | Zeyneb Belhi, Huseyin Karci, Muhammet Dundar, Nevin Gurbuz, Ilknur Ozdemir, Ismail Ozdemir, Abdelkrim Cheriti | Zeyneb Belhi |
| PM-13 | Development of Lateral Flow Immunosensor for Detection of Growth Hormone: An ongoing study | Eda Gumus, Haluk Bingol, Erhan Zor | Eda Gumus |
| PM-14 | Voltammetric determination of cytotoxic antineoplastic drug Cladribine | Pelin Senel, Aysegul Golcu | Pelin Senel |
| PM-15 | A Systematic Protocol for GC-MS and LC-MS based Metabolomics and Lipidomics Analysis from Tissue Samples: By a Holistic Multi-Omics Optimization Approach based on Design of Experiment (DOE) | Cemil Can Eylem, Emirhan Nemutlu, Aysegul Dogan, Vedat Acik, Selcuk Matyar, Yurdal Gezercan, Suleyman Altintaş, Ali Ihsan Okten, Nursabah Elif Başçi Akduman | Cemil Can Eylem |
| PM-16 | Determination of CYP2C19 Genotypes with A MassARRAY-based Detection Assay | Jie Zhao, Jun Zhao, Hui Xu, Tao Guo, Li Wang, Di Li, Linting Huang, Guixiu Niu, Si Li, Mingzhe Xiao, Chuang Qi, Dongsheng Chen, Qianqian Duan, Yuan Tan | Jie Zhao |
| PM-17 | Development and Characterization of Mucoadhesive Buccal Film Formulations Containing Tamoxifen | Yagmur Karaman, Eylul Su Saral Acarca, Sibel Ilbasmsis Tamer | Yagmur Karaman |
| PM-18 | Non-invasive colormetric glucose determination effect of citosan to color intensity | Emine Yildirim, Tugba Tezcan, Ugur Tamer | Emine Yildirim |
| PM-19 | Synthesis of fluorescent carbon dots from anethum graveolens by hydrothermal carbonization | Buşra Karataş, H. Eda Satana Kara | Buşra Karataş |
| PM-20 | Investigation of Cholinesterase Inhibition, Antimicrobial Activity and Volatile Contents of { <i>Eryngium campestre</i> } | Merve Badem, Seyda Kanbolat, Nevin Ulas Colak, Tugba Subas, Sila Ozlem Sener, Ufuk Ozgen, Rezzan Aliyazicioglu, Sengul Alpay Karaoglu, Ali Kandemir | Merve Badem |
| PM-21 | Synthesis, characterization and optimization of novel phenylalanine-coated copper nanoclusters with high fluorescence intensity | Mehmetcan Bilkay, Hayriye Eda Satana Kara | Mehmetcan Bilkay |
| PM-22 | Investigation of { <i>Asphodelus aestivus</i> } as potential antioxidant, antityrosinase and anticollagenase agent on skin aging | Seyda Kanbolat, Merve Badem, Sila Ozlem Sener, Burcu Erdemir, Sena Sari, Ebru Ozdemir Nath | Seyda Kanbolat |
| PM-23 | Investigation of the use of { <i>Asphodelus fistulosus</i> } as a dermocosmetic agent against skin aging | Merve Badem, Seyda Kanbolat, Sila Ozlem Sener, Hatice Senel, Fatma Arikan, Ebru Ozdemir Nath | Merve Badem |
| PM-24 | A new quartz tuning fork-based immunosensor for analysis of citrullinated vimentin | Meltem Çalışkan, Mehmet Altay Unal, Fikret Ari, Mustafa Kemal Sezginturk, Sibel Aysel Ozkan | Meltem Çalışkan |

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| PM-25 | Selective and sensitive determination of Tolvaptan by developing molecularly imprinted polymer-based electrochemical sensor | Fatma Budak, Leyla Karadurmus, Ahmet Cetinkaya, Ahmet Cetinkaya, Esen Bellur Atici, Sibel A. Ozkan | Fatma Budak |
| PM-26 | A label-free electrochemical AGR2 immunosensor prepare using a hand-made disposable electrode | Melike Bilgi Kamac, Ayşenur Yilmaz Kabaca, Merve Yilmaz, Muhammed Altun, Mustafa Kemal Sezginturk | Melike Bilgi Kamac |
| PM-27 | Preparation and characterization of MXene-AuNP and MXene-COOH-AuNP modified screen-printed carbon electrodes for use in biosensor | Merve Yilmaz, Melike Bilgi Kamac | Merve Yilmaz |
| PM-28 | A New Drug Candidate Molecule (3-((5-methylpyridin-2-yl)amino)isobenzofuran-1(3H)-one) Synthesis, Characterization and antioxidant activity | Ayşe Daut Ozdemir, Zeynep Tanrikulu Yilmaz, Hakkı Yasin Odabaşoğlu, Pelin Senel, Veselina Adimcilar | Ayşe Daut Ozdemir |
| PM-29 | Quantitative Determination of Sunset Yellow (E-110) In Pharmaceutical Formulations by Micro Plate Spectrophotometry After Extraction with Hydrophobic Deep Eutectic Solvent | Donay Yuvali | Donay Yuvali |
| PM-30 | Development of highly sensitive fluorescence aptasensor based on aptamer-functionalized magnetic nanoparticles for 17 β -estradiol detection | Wissuta Chinnawongsuwan, Sineenat Siri | Wissuta Chinnawongsuwan |
| PM-31 | Production of spinel ferrite nanoparticles for latent fingerprint visualization | Phadcharapon Phonna, Sineenat Siri | Phadcharapon Phonna |
| PM-32 | New approaches to investigate the antioxidant activity and the analysis of radical reactions course. 1HNMR study | Wojciech Rogóż, Beata Morak-Młodawska, Aleksandra Owczarzy, Karolina Kulig, Małgorzata Maciążek-Jurczyk | Wojciech Rogóż |
| PM-33 | Spectroscopic analysis of 9-amino-5-methyl-12(H)-chino[3,4-b][1,4]benzothiazine chloride interaction with potential proteins carriers. In vitro studies. | Aleksandra Owczarzy, Monika Trzepacz, Wojciech Rogóż, Karolina Kulig, Andrzej Żięba, Jadwiga Pożycka | Aleksandra Owczarzy |
| PM-34 | Electrochemical DNA biosensor applications with newly developed electrode surfaces based on Cu-ZrO ₂ nanoparticles | Elifcan Emiroglu Bolukbas, Dilsat Ozkan-Arıksoysal, Sabriye Yusan, İkbāl Gozde Kaptanoğlu, Umit Huseyin Kaynar | Elifcan Emiroglu Bolukbas |
| PM-35 | Electrochemical Characterization of Natural and Synthetic Molecules and Investigation of Their Interactions with DNA | Huseyin Oguzhan Kaya, Seda Nur Topkaya | Huseyin Oguzhan Kaya |
| PM-36 | Evaluation of the Electrochemical Characteristics of Triazolopyrimidinone Derivatives as Novel Drugs and Determination of Their Interactions with DNA | Ceylin Bozdemir, Fatma Kurul, Huseyin Istanbulu, Seda Nur Topkaya | Ceylin Bozdemir |
| PM-37 | Circular dichroism study of albumin nanoparticles | Karolina Kulig, Zuzanna Denisiuk, Wojciech Rogóż, Aleksandra Owczarzy, Małgorzata Maciążek-Jurczyk | Karolina Kulig |

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| PM-38 | Kidney injury molecule-1 detection by a novel mass-based biosensing system | Berfin Vural, Mehmet Altay Unal, Fikret Ari, Mustafa Kemal Sezginturk, Sibel A. Ozkan | Berfin Vural |
| PM-39 | Production and characterization of a hand-made disposable panel electrode for use in biosensor | Melike Bilgi Kamaç, Ayşenur Yılmaz Kabaca, Merve Yılmaz, Muhammed Altun, Mustafa Kemal Sezginturk | Ayşenur Yılmaz Kabaca |
| PM-40 | Investigation Of New Potential Bcl-2 Inhibitors via {In Silico} Approaches | Seyma Sîmşek, Okan Aykac, Burcin Turkmenoglu | Okan Aykac |
| PM-41 | Selenium nanoparticle characterization and determination in β tc cells by single particle inductively coupled plasma-mass spectrometry | Tugba Nur Akbaba, Cigdem Yucel, Sibel Ilbasmiş Tamer, Orkun Alp, Nusret Ertaş | Tugba Nur Akbaba |
| PM-42 | Electrochemical determination of enzyme inhibitor thiram based on bimetallic nanoparticles utilizing green electroanalytical nanosensor | Murat Celik, Murat Celik, Burcin Bozal Palabiyik, Cigdem Kanbeş Dindar, Bengi Uslu | Murat Celik |
| PM-43 | An ITO-based biosensor for the detection of Citrullinated Vimentin as an important biomarker for Rheumatoid arthritis | Ecem Uzman, Mustafa Kemal Sezginturk | Ecem Uzman |
| PM-44 | Development of a novel EGFR-targeted peptide for targeted delivery of drugs in anaplastic thyroid cancer | Zehra Cagla Kahvecioglu, Samuel Vandecasteele, Marine Bougard, Charlotte Rogien, Fabrice Journe, Sophie Laurent, Sven Saussez, Carmen Burtea | Zehra Cagla Kahvecioglu |
| PM-45 | pH-Sensitive Release of a β -Adrenoceptor Antagonist Model Drug From Poly(Acrylic Acid)-Based Hydrogel | Veselina Adimcilar, Nejla Cini, Aysegul Golcu | Nejla Cini |
| PM-46 | Immuno-modulatory role of microbiota-derived postbiotics against periodontal diseases | Fadime Kiran, Hikmen Can, Hazal Kibar Demirhan | Fadime Kiran |
| PM-47 | {Weisella} spp.-derived Postbiotics: A Novel Therapeutic Strategy for Dental Caries | Emine Omeroglou, Fadime Kiran | Emine Omeroglou |
| PM-48 | Enhancement of SERS Signal Sensitivity Using Hybrid Nanoparticles | Turkan Kiral, Ismail Hakki Boyaci, Ender Yildirim, Hilal Torul, Eylul Evran, Ugur Tamer | Turkan Kiral |
| PM-49 | Highly Selective Molecularly Imprinted Polymer-Based Electrochemical Sensor for The Determination of Pazopanib | Seyda Nur Samanci, Ahmet Cetinkaya, Nassim Doufene, Nadia Bounoua, S.Irem Kaya, Esen Bellur Atici, Sibel A. Ozkan | Seyda Nur Samanci |
| PM-50 | ITO-PET coated electrode based biosensor system for determination of kidney injury molecule-1 | Elif Ceren Ankara, Sude Aras, Burcak Demirbakan, Mustafa Kemal Sezginturk | Elif Ceren Ankara |
| PM-51 | An ITO-PET based biosensor system for AFP early detection: process optimization studies | Alaaddin Kaya, Yagmur Yigit, Davut Karyelioglu, Burcak Demirbakan, Mustafa Kemal Sezginturk | Alaaddin Kaya |

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| PM-52 | Determination of the Therapeutic Efficacy of Atranorin Associated with the Ferroptosis Pathway in Breast Cancer at the Biochemical Assays | Mine Ensoy, Demet Cansaran Duman | Mine Ensoy |
| PM-53 | Determination of the therapeutic efficacy of the drug candidate molecule atranorin at the transcriptomic level as an innovative strategy in the treatment of melanoma cancer | Mine Ensoy, Ibrahim Gadashli, Ayşe Hale Alkan, Demet Cansaran Duman | Ibrahim Gadashli |
| PM-54 | Investigation of potential binders to GPR17 membrane receptor by surface plasmon resonance and grating-coupled interferometry | Gabriella Massolini, Davide Capelli, Marco Rabuffetti, Maria Pia Abbracchio, Ivano Eberini, Daniela Ubiali, Giovanna Speranza, Stefano Capaldi, Enrica Calleri | Gabriella Massolini |
| PM-55 | First voltammetric detection of {Karbutylate} via different carbon-based electrode | Selva Bilge, Yusuf Osman Donar, Beyza Ozoylumlulu, Samed Ergenekon, Ali Sinag | Selva Bilge |
| PM-56 | Metal Affinity-Based Polymeric Drug Nanocarriers | Cansu Ilke Kuru, Fulden Ulucan-Karnak, Sinan Akgol | Fulden Ulucan-Karnak |
| PM-57 | Preparation and detailed characterization Rod-like CuO nanoparticles/waste masks carbon for voltammetric detection of pazopanib | Selva Bilge, Burcu Dogan Topal, Esen Bellur Atici, Ali Sinag, Sibel A. Ozkan | Selva Bilge |
| PM-58 | Aripiprazole Imprinted pHEMA Cryogel Patches for Neurological Treatments | Merve Calişir, Muhammed Erkek, Nilay Bereli, Adil Denizli | Muhammed Erkek |
| PM-59 | Electrochemical DNA biosensor design for determination of the Interaction between DNA and favipiravir drug used in the treatment of COVID-19 | Fadime Mullaahmetoglu, Merve Cenikli, Rabia Ozturk, Dilsat Ozkan-Ariksoysal | Fadime Mullaahmetoglu |
| PM-60 | Pseudomonas aeruginosa imprinted polydopamine@ graphene-coated pencil graphite electrode for selective bacterial detection | Tunca Karasu, Neslihan Idil, Erdogan OZgur, Lokman Uzun | Tunca Karasu |
| PM-61 | A Comperative Controlled Release of Lycopene from Three Different Composites | Burcu Akar, Tunca Karasu, Mesut Kaplan, Hatice Kaplan Can, Lokman Uzun | Burcu Akar |
| PM-62 | Study on Molecular Modeling of Some New Adenosine Monophosphate Activated Protein Kinase (AMPK) Activators | Meltem Unlusoy, Sumeyye Guney Kalkan | Meltem Unlusoy |
| PM-63 | Evaluation of Dexpanthenol Bilayer Oral Films | Ozge Inal, Gulin Amasya | Ozge Inal |
| PM-64 | Potential Binding Mechanisms Between Silk Fibroin and Sulfonamide Drugs | Makbule Beyza Sen, Hasan Tahsin Sen, Semih Calamak | Semih Calamak |
| PM-65 | Development of lanthanide probes for mapping ROS levels in brain tissue | Fabrice Collin, Chantal Galaup, C... Fonta, R... Mauricot, Stephane Balayssac, Francois Couderc, L... Gibot, Veronique Gilard, N... Leygue, L... G Nowak, Lucie Perquis | Fabrice Collin |

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| PM-66 | Spectrophotometric Analysis of Folic Acid with Dispersive Liquid-Liquid Microextraction-Deep Eutectic Solvents (DESS) Technique | Songul Ulusoy, Remziye Aydin | Songul Ulusoy |
| PM-67 | Amine functionalized multi-walled carbon nanotube-based electrochemical DNA biosensor for evaluation of efavirenz-DNA interaction | Burcu Dogan Topal, Manolya Mujgan Gurbuz, Havva Nur Gurbuz, Aytekin Uzunoglu, Sibel A. Ozkan | Burcu Dogan Topal |
| PM-68 | Multicomponent (Ugi-4MCR, Passerini-3MCR) reactions for the synthesis of adamantane containing bioactive derivatives | Tinatini Bukia, Ana Goletiani | Tinatini Bukia |
| PM-69 | Development of a non-invasive lateral flow based paper analytical device for early diagnosis of leptospirosis | Ashaiba Asiamma, Ananthapadmanabha Bhagwath Arun, Sudhakaraprasad Kariate, Rouchelle Charmine Tellis | Ashaiba Asiamma |
| PM-70 | Inkjet Printing of 2D/1D MXene/hCNT Nanoflowers Flexible Electrochemical Sensors for the Detection of Caffeine | Havva Nur Gurbuz, Hasan Huseyin Ipekci, Aytekin Uzunoglu | Havva Nur Gurbuz |
| PM-71 | Accurate and Precise Determination of Pregabalin in Pharmaceutical Formulations using HPLC-UV Methodology | Kenan Can Tok, Ceren H. Bozmaoglu, Mehmet Gumustas, H. Sinan Suzen | Kenan Can Tok |
| PM-73 | Development of an electrochemical biosensor for the determination of lactate dehydrogenase | Aysen Gumustas, Hilal Torul, Ugur Tamer, Ender Yildirim | Aysen Gumustas |
| PM-74 | Electrochemical behavior of Enzalutamide in the presence of Human Serum Albumin | Nurgul K Bakirhan, Fatima Chenguiti, Merzak Doulache, Sibel A Ozkan | Nurgul K Bakirhan |
| PM-75 | Investigation of electrochemical interaction between olaparib and albumin | Nurgul K Bakirhan, Amina Keciba, Merzak Doulache, Sibel A Ozkan | Nurgul K Bakirhan |
| PM-76 | Development and Validation of Analytical Method for Quantitative Analysis of Plumbagin: Application to Proliposomal Formulation | Ozay Ozturk, Zerrin Sezgin Bayindir | Zerrin Sezgin Bayindir |
| PM-77 | Electrochemical, spectrofluorimetric & molecular docking approaches to evaluate the interaction of Cinacalcet HCl with calf-thymus dsDNA | Didem Nur Unal, Cem Erkmen, Sevinc Kurbanoglu, Gokcen Eren, Bengi Uslu | Didem Nur Unal |

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| PT-01 | New developments in coated blade spray-mass spectrometry for high-throughput and rapid analysis | Wei Zhou, Janusz Pawliszyn | Wei Zhou |
| PT-02 | Vertical introducing bio-compatible solid-phase microextraction pin to mass spectrometry using probe electrospray ionization interface for high sensitivity and low matrix effect analysis | Wei Zhou, Janusz Pawliszyn | Wei Zhou |
| PT-03 | Validated LC-MS/MS method for simultaneous quantification of KRASG12C inhibitor sotorasib and its major circulating metabolite (M24) in mouse matrices and its application in a mouse study. | Irene A. Retmana, Irene A. Retmana, Nancy H.C. Loos, Alfred H. Schinkel, Jos H. Beijnen, Jos H. Beijnen, Rolf W. Sparidans | Irene A. Retmana |
| PT-04 | Modelling the enantio recognition of structurally diverse pharmaceuticals on O-substituted polysaccharide-based stationary phases | Pieter De Gauquier, Jordy Peeters, Kenno Vanommeslaeghe, Yvan Vander Heyden, Debby Mangelings | Pieter De Gauquier |
| PT-05 | FPSE-HPLC-UV/Vis method for the favipiravir quantification in biological matrices | Gizem Tiris, Isil Gazioglu, Kenneth G Furton, Abuzar Kabir, Miryam Perrucci, Marcello Locatelli | Marcello Locatelli |
| PT-06 | FPSE-HPLC-PDA quantification of seven antidepressant drugs in post-mortem samples | Marcello Locatelli, Fabio Savini, Miryam Perrucci, Kenneth G Furton, Isil Gazioglu, Antonio Maria Catena, Cristian D'ovidio, Abuzar Kabir | Marcello Locatelli |
| PT-07 | Adulteration detection of corn oil, rapeseed oil, peanut oil, and sunflower oil in Argan oil by FT-NIR and FT-MIR spectroscopy coupled to chemometrics | Meryeme El Maouardi, Mohammed Alaoui Mansouri, Kris De Braekeleer, Abdelaziz Bouklouze, Yvan Vander Heyden | Meryeme El Maouardi |
| PT-08 | Analytical Niche Techniques in Phytochemistry – a Comparison of SFC and CE | Michael Zwerger, Stefan Schwaiger, Markus Ganzera | Michael Zwerger |
| PT-09 | A Rapid Chiral HPLC Method for Determination of Enantiomeric Impurity of Lifitegrast | Merve Ugur, Esen Bellur Atici, Sibel A. Ozkan | Merve Ugur |
| PT-10 | Development and validation of an hplc method for determination of an eltrombopag precursor and its eleven related substances | Timur Demirhan, Elif Guksu, Yucel Yazar, Sibel A. Ozkan, Esen Bellur Atici | Timur Demirhan |
| PT-11 | Development and validation of stability indicating analytical methods for determination of enzalutamide and related substances | Burcu Oktar Uzun, Pelin Kaygu, Cagan Agtas, Esen Bellur Atici, Sibel A. Ozkan | Burcu Oktar Uzun |
| PT-12 | Determination of hyaluronic acid concentration by using HPLC-RID | Uzeyir Dogan | Uzeyir Dogan |
| PT-13 | On-site determination of methadone in saliva by ambient ionization mass spectrometry using a polyamide-cotton composite immobilized into a hypodermic needle | Jaime Millán Santiago, Rafael Lucena Rodríguez, María Soledad Cárdenas Aranzana | Jaime Millán Santiago |

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| PT-14 | Voltammetric Quantification studies of the DNA binding of the antineoplastic drug Azacitidine from injection suspension | Pelin Senel, Soykan Agar, Mine Yurtsever, Aysegul Golcu | Aysegul Golcu |
| PT-15 | NMR-based metabolomics studies to investigate TNAP (tissue-nonspecific alkaline phosphatase) functions in brain and liver | Stéphane Balayssac, Eva Drevet Mulard, Lionel G Nowak, Anne Briolay, Laurence Bessueille, Gilles Rautureau, David Magne, Caroline Fonta, Veronique Gilard | Veronique Gilard |
| PT-16 | A simple and rapid LC-MS/MS method development for the quantification of octreotide in cancer patients plasma samples | Elif Damla Gok Topak, Ece Ozkan, Emirhan Nemutlu, Sibel A. Ozkan, Omer Dizdar, Sercan Aksoy, Sedef Kir | Elif Damla Gok Topak |
| PT-17 | Bioanalytical method development and validation of nifuratel in human plasma by LC-MS/MS detection and its application to a pharmacokinetic study | Ezgi Ozen | Ezgi Ozen |
| PT-18 | Mechanism Elucidation Studies of Wound Healing Potential and Determination of HPLC Profile of {Lysimachia verticillaris} and {Lysimachia vulgaris} | Seyda Kanbolat, Merve Badem, Sila Ozlem Sener, Nuriye Korkmaz, Tugba Subas, Rezzan Aliyazicioglu, Ufuk Ozgen | Seyda Kanbolat |
| PT-19 | Combination of the targeted metabolomic profiling and bioinformatics approach for the diagnostics of cardiovascular diseases («MetaboScan» system) | Natalia Moskaleva, Kseniia Shestakova, Pavel Markin, Svetlana Appolonova | Natalia Moskaleva |
| PT-20 | Metabolomics investigations of anti-virulence drug-induced toxicity | Mark Savitskii, Natalia Moskaleva, Svetlana Appolonova | Natalia Moskaleva |
| PT-21 | Possible effects of gene polymorphisms on the development of Sjogren syndrome | Ulku Terzi, Ilker Ates | Ulku Terzi |
| PT-22 | Network pharmacology research on the active compounds and mechanisms of allergy constitution prescription based on multi-pathway information | Liang Hong, Zihui Ye, Wenfei Xu, Haoxuan Zeng, Xiu Duan, Jing Zhao, Ji Wang, Qi Wang, Shaoping Li | Liang Hong |
| PT-23 | Analysis of Residue Solvent and Alcohol in Herbal Extracts by Headspace Gas Chromatography-Flame Ionization Detector (HS-GC-FID) | Damla Uvez, Onur Kenan Ulutaş, Aysel Berkkan | Damla Uvez |
| PT-24 | Automated optofluidic platform for cell counting | Meryem Beyza Avci, S. Deniz Yasar, Arif E. Cetin | S. Deniz Yasar |
| PT-25 | A Dispersive Liquid-Liquid Microextraction Method for Therapeutic Drug Monitoring of Four Antidepressants Drug in Plasma by GC-MS | Selen AI, Aykut Kul, Olcay Sagirli | Selen AI |
| PT-26 | A New Method for Therapeutic Drug Monitoring of Anxiolytic Drugs in Plasma by LC-MS/MS | Aykut Kul, Selen AI, Murat Ozdemir, Demet Dincel, Olcay Sagirli | Aykut Kul |
| PT-27 | Development and validation of a fast and simple LC- MS/MS method for quantitative analysis of organophosphate flame retardants in human urine | Irem Iyigundogdu, Ayhan Ibrahim Aysal, Ismet Cok | Irem Iyigundogdu |

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| PT-28 | Box–Behnken experimental design for optimizing the HPLC method to determine venetoclax in human plasma and bioanalytical method validation ICH M10 guideline | Saniye Ozcan, Abeer Elriş, Mazlum Akif Altun, Serkan Levent, Nafiz Oncu Can | Abeer Elriş |
| PT-29 | A novel HPLC method for the quantification of selezipag in pharmaceuticals using Box–Behnken design | Saniye Ozcan, Egemen Guvenc Ogut, Serkan Levent, Nafiz Oncu Can | Egemen Guvenc OGUT |
| PT-30 | Exploring the Performance of Cellulose Tris-3,5-Dichlorophenylcarbamate (CDCPC) as a Stationary Phase for the Chiral Electro-chromatographic Separation of Azole Antifungals | Massimo Giuseppe De Cesaris, Alessandra Gentili, Chiara Fanali, Salvatore Fanali, Bezhn Chankvetadze, Giovanni D'orazio | Massimo Giuseppe De Cesaris |
| PT-31 | Trends in sample preparation. Combination of electrospun sorbent for the solid phase extraction (SPE) in the HPLC-PDA analysis of fluoroquinolones in biological fluids | Vincenzo Ferrone, Pantaleone Bruni, Stefania Ferrari, Giuseppe Carlucci | Giuseppe Carlucci |
| PT-32 | Determination of Zofenopril and Hydrochlorothiazide By Capillary Electrophoresis and High Performance Liquid Chromatography In Pharmaceutical Preparations | Buşra Ozyurek, Sadik Onur Ayranci, Arin Gul Dal Poca | Buşra Ozyurek |
| PT-33 | Quantitative analysis of urinary nucleosides and deoxynucleosides from bladder cancer patients before and after tumor resection | Małgorzata Artymowicz, Wiktoria Struck-Lewicka, Paweł Wiczling, Marcin Markuszcwski, Michał Markuszcwski, Danuta Siluk | Danuta Siluk |
| PT-34 | Sensitive HPLC-DAD Analysis Of Phenobarbital By Fabric Phase Sorptive Extraction In Urine Sample | Beyza Bayam, Halil Ibrahim Ulusoy, Ummugulsum Polat, Marcello Locatelli, Songul Ulusoy, Abuzar Kabir | Beyza Bayam |
| PT-35 | Development HPLC Method For Determination Of Naproxen Sodium Drug in Urine Samples By Solid Phase Microextraction Techniques | Merve Turkel, Songul Ulusoy, Esra Durgun, Ummugulsum Polat, Halil Ibrahim Ulusoy | Merve Turkel |
| PT-36 | Development of Sensitive and Accurate Analysis Method based on HPLC-DAD after Magnetic Solid Phase Extraction for Bisphenol A Molecule in Beverage Samples | Ayşe Berru Ulukuş, Aslihan Gurbuzer, Ummugulsum Polat, Halil Ibrahim Ulusoy, Gokhan Sarp, Erkan Yilmaz | Ayşe Berru Ulukuş |
| PT-37 | Application of LC-MS and GC-MS techniques for determination of metabolic changes in serum and urine samples from women with polycystic ovary syndrome | Anna Rajska, Magdalena Buszewska Forajta, Szymon Macioszek, Renata Wawrzyniak, Paweł Wityk, Andrzej Berg, Agnieszka Kowalewska, Dominik Rachoń, Michał Jan Markuszcwski | Anna Rajska |
| PT-38 | A plant metabolomics approach: Evaluation of the Momordica charantia seed and fruit extracts | Duygu Eneş, A. Ahmet Basaran, Bilge Başak Fidan, Sacide Altinoz, Mustafa Celebier | Duygu Eneş |

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| PT-39 | Profiling of carnitine and acylcarnitines in gliomas using solid phase microextraction (SPME) – extended studies | Magdalena Gaca-Tabaszewska, Joanna Bogusiewicz, Paulina Szeliska, Karol Jaroch, Paulina Zofia Goryńska, Krzysztof Goryński, Marcin Birski, Jacek Furtak, Dariusz Paczkowski, Marek Harat, Barbara Bojko | Magdalena Gaca-Tabaszewska |
| PT-40 | XCMS And MS-Dial for Q-TOF LC/MS Based Untargeted Metabolomics: Comparison of Data Processing Tools | Nergiz Yilmaz, Buşra Ucar, Bilge Başak Fidan, Ozan Kaplan, Incilay Suslu, Mustafa Celebier | Nergiz Yilmaz |
| PT-41 | Anti-Cancer Effects off Exopolysaccharides Derived From (Lactiplantibacillus plantarum) EIR/IF-1, Isolated From Breastfed Infant Fecal Microbiota | Emine Omeroglu, Fadime Kiran | Emine Omeroglu |
| PT-42 | Development and Easy Applicable Sample Pre-Treatment Procedure for Sensitive Analysis Sibutramine and Fluoxetine in Adulterated Herbal Products | Aslihan Gurbuzer, Ibrahim Narin, Halil Ibrahim Ulusoy | Aslihan Gurbuzer |
| PT-43 | Metabolomics profiling using dual stationary phase columns | Tuba Recber, Ipek Baysal, Samiye Yabanoglu Ciftci, Mehmet Gumustas, Sedef Kir, Bezhn Chankvetadze, Emirhan Nemutlu | Tuba Recber |
| PT-44 | Development Of Chromatographic Method For Sensitive And Reliable Analysis Of Fingolimod And Citalopram Molecules | Esra Durgun, Ibrahim Narin, Halil Ibrahim Ulusoy | Esra Durgun |
| PT-45 | An experimental search to better understand what pooled samples provide to untargeted metabolomics | Emine Koc, Nergiz Yilmaz, Bilge Başak Fidan, Ozan Kaplan, Mustafa Celebier | Emine Koc |
| PT-46 | Could Metabolomics Shed Light on The Potential Connection Between a mRNA Vaccine and Leukemic Hematopoiesis? | Batuhan Erdogan, Bilge Başak Fidan, Ozan Kaplan, Mustafa Celebier, Ibrahim Celalettin Haznedaroglu | Bilge Başak Fidan |
| PT-47 | Optimization of the Novel Antiviral Drug Molnupiravir by LC-ESI-MS/MS | Yasin Dari, Demet Dincel, Erol Sener, Dilek Dogrukul-Ak | Yasin Dari |
| PT-48 | simultaneous determination of ruscogenin, neurscogenin, trimebutine and parabens using hplc | Gurkan Ozen, Emirhan Nemutlu | Gurkan Ozen |
| PT-49 | Determination of Methylation Levels in the Promoter Region of the Soluble Epoxide Hydrolase Gene in Patients with Diabetic Retinopathy | Esma Ozmen, Seyyid Mehmet Bulut, Serpil Erşan, Kurşad Ramazan Zor, Erkut Kucuk, Ismail Abasikeleş, Durmuş Ayan, Feyyaz Aslan, Ismail Sari | Esma Ozmen |

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| PT-50 | Development and validation of dispersive liquid-liquid microextraction followed by micellar electrokinetic chromatography-tandem mass spectrometry for determination of six anticancer drugs in human plasma | Zvonimir Mlinarić, Lu Turković, Miranda Sertić | Zvonimir Mlinarić |
| PT-51 | Light exacerbates local effects induced by pH unfolding in monoclonal antibodies | Elena Rizzotto, Ilenia Inciardi, Elisabetta De Diana, Marina Coppola, Giorgia Miolo, Patrizia Polverino De Laureto | Elena Rizzotto |
| PT-52 | Evaluation of Extractive Probes Congruent with Thermal and Solvent Desorptions for Targeted and Untargeted Analysis | Ayşegül Seyma Kir, Kubra Kahremanoglu, Atakan Kara, Ezel Boyacı | Ayşegül Seyma Kir |
| PT-53 | Toward a better understanding of the effect of the light glucose-induced chemical modifications on the structure and biological activity of a monoclonal antibody | Elena Rizzotto, Ilenia Inciardi, Elisabetta De Diana, Luca Menilli, Marina Coppola, Giorgia Miolo, Patrizia Polverino De Laureto | Elena Rizzotto |
| PT-54 | Untargeted Q-ToF LC/MS Metabolomics For Autism Spectrum Disorder | Buşra Ucar, Ozan Kaplan, Bilge Başak Fidan, Incilay Suslu, Dilek Unal, Cihan Aslan, Mustafa Celebier | Buşra Ucar |
| PT-55 | Development and Characterization of Quercetin-Loaded Folate-PLGA Nanoparticle Formulations and In Vitro Evaluation In Breast Cancer | Kubra Cetiner, Betül Gur, Indrit Seko, Yilmaz Capan | Kubra Cetiner |
| PT-56 | Development and Evaluation of HLB/PTFE Thin Film Samplers for Extraction of Selected Pesticides From Complex Samples Prior to Their GC-MS Determination | Yeliz Akpınar, Kubra Kahremanoglu, Ezel Boyacı | Yeliz Akpınar |
| PT-57 | Phenolic and Flavonoid Compounds and Biological Activities of <i>Teucrium brevifolium</i> : in silico and in vitro Evaluation | Anil Yilmaz, Fatih Uckaya, Mehmet Boga, Taner Özcan, Tuncay Dirmenci, Gulacti Topcu | Anil Yilmaz |
| PT-58 | Controlled Release of Ibrutinib from Collagen Nanobubbles | Sena Pişkin, Eda Cinar Avar, Canan Armutcu, Lokman Uzun | Sena Pişkin |
| PT-59 | Comparative evaluation of a transdermal patch form drug in the franz cell using two different types of synthetic membranes | Gizem Ersec, Hande Celebi Yatkın, Ediz Yildirim | Gizem Ersec |
| PT-60 | Multi-mycotoxin Analysis in Food Supplements by LC-MS/MS | Engin Bayram, Serdar Colak, Dilek Cerav | Engin Bayram |
| PT-61 | Evaluation of the Matrix Effect of Four Different Sample Matrices for 9 Neurotransmitters by Post-Column Infusion | Saniye Özcan, Serkan Levent, Nafiz Oncu Can | Saniye Özcan |
| PT-62 | Alternative Analytical Method and Validation to Pharmacopeia Methods for NDMA and NDEA Related Compounds of Losartan, Valsartan and Irbesartan Drug Products | Humeyra Funda Vardar, Buşra Gülşen, Filiz Demir, Serdar Unlu | Filiz Demir |

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| PT-63 | UV/Vis spectrophotometer determination of cadmium in tap water with matrix matching calibration strategy after preconcentration with vortex assisted liquid phase microextraction | Ozan Yagmuroglu, Emine Gulhan Bakirdere, Sezgin Bakirdere | Ozan Yagmuroglu |
| PT-64 | Capillary electrophoresis and GC-FID analysis of omega-3 fatty acids in food supplements | Lucie Perquis, Amélie Icher, Stephane Balayssac, Véronique Gillard, Ghislaine Biasini, Fabrice Collin, Francois Couderc | Fabrice Collin |
| PT-65 | Metabolomic analysis of clinical {E. Coli} strains in urinary tract infection and urosepsis patients | Michal J. Markuszewski, Joanna Raczak Gutknecht, Pawel Wityk, Danuta Dudzik, Wiktoria Struck Lewicka, Małgorzata Waszczuk Jankowska, Beata Krawczyk, Magdalena Fordon, Ewa Sokołowska, Jacek Szypenbejl, Mariusz Siemiński | Michal J. Markuszewski |
| PT-66 | Nanostructured Lipid Carrier (NLC) Formulations of Paliperidone for Treatment of Schizophrenia | Omer Yedikaya, Gulin Amasya, Ulya Badilli, Nurten Ozdemir | Omer Yedikaya |
| PT-67 | Three cyclodextrins mixture in CEKC: a long travel for resolution of 8 diastereoisomers derivative, a short trip to resolution of 4 diastereoisomers and 2 enantiomers derivatives. | Gaëlle Grolaux, Julie Charton, Christophe Furman, Emmanuelle Lipka | Emmanuelle Lipka |
| PT-68 | Simultaneous Analysis of Nitrosamines in Pharmaceutical Products by Liquid Chromatography APCI-Triple Quadrupole Mass Spectrometry | Engin Bayram, Serdar Colak, Dilek Cerav | Engin Bayram |
| PT-69 | Separation of enantiomers on novel chiral cyclic sulfoxides in high-performance liquid chromatography using cellulose-based chiral stationary phases with acetonitrile and aqueous-acetonitrile as mobile phases | Iza Matarashvili, Ani Rurua, Mariam Shanidze, Rusudan Kakava, Alessandro Volonterio, Bezhan Chankvetadze | Iza Matarashvili |
| PT-70 | Innovating a novel HPLC method for validated assay of Quercetin in nano drug delivery systems | Aslihan Hilal Algan, Kenan Can Tok, Ayeseğül Karatas | Aslihan Hilal Algan |
| PT-71 | Some technical aspects of enantioselective high-performance liquid chromatography tandem mass spectrometry. | Lasha Giunashvili, Saba Jorbenadze, Tamar Khatiasvili, Aluda Chelidze, Alfredo Fabrizio Lo Faro, Simona Pichini, Francesco Paolo Busardo, Tivadar Farkas, Bezhan Chankvetadze | Lasha Giunashvili |
| PT-72 | Optimization of High-Performance Liquid Chromatographic Method for Impurity Analysis in Antituberculous Drug Isoniazid | Lali Chankvetadze, Iza Matarashvili, Ann Gogolashvili, Gerhard K.e. Scriba, Bezhan Chankvetadze | Lali Chankvetadze |
| PT-73 | Deep eutectic solvent based microextraction method for the preconcentration/extraction of palladium from wastewater samples prior to slotted quartz tube – flame atomic absorption spectrometry measurement | Elif Seda Kocoglu, Ozge Yilmaz, Emine Gulhan Bakirdere, Sezgin Bakirdere | Elif Seda Kocoglu |

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| PT-74 | Development an Analytical Method for the Trace Determination of Rhodium in Soil Sample Matrices by Flame Atomic Absorption Spectrometry after Manganese Ferrite Nanoparticle based Dispersive Solid Phase Extraction | Hakan Serbest | Hakan Serbest |
| PT-75 | An innovative and sensitive QTF-based panel biosensor system for the analysis of leptin: A potential biomarker for early detection of obesity. | Burcu Ozcan, Mehmet Altay Unal, Fikret Ari, Mustafa Kemal Sezginturk, Sibel A. Ozkan | Burcu Ozcan |
| PT-76 | A novel QTF-based panel system for the detection of Aflatoxin B1 | Burcak Demirbakan, Mehmet Altay Unal, Fikret Ari, Mustafa Kemal Sezginturk, Sibel A.L Ozkan | Burcak Demirbakan |
| PT-77 | A novel and high-sensitive Quartz Tuning Fork based sensor system for C1-INH determination | Nur Tarimeri Koseer, Mehmet Altay Unal, Fikret Ari, Mustafa Kemal Sezginturk, Sibel A.Ozkan | Nur Tarimeri Koseer |
| PT-78 | Comparison of Immunopurification Methods for Erythropoietins Analysis Anti-doping Control | Yesim Somay Selbes, Kamile Elaldi, Emirhan Nemutlu | Yesim Somay Selbes |
| PT-79 | Integration of Thin Film Extractive Samplers with Surface Enhanced Raman Spectroscopy: Preliminary Investigation for Rapid Pesticides Determination | Silanur Sevgen, Yeliz Akpinar, Ezel Boyaci | Silanur Sevgen |



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