



31st International Symposium on **Electro- and Liquid-Phase Separation Techniques**

24-27 August 2025

Ankara University, Ankara, Türkiye

PLATINUM SPONSOR



MAIN SPONSORS



OTHER SPONSORS



AWARDS SPONSORS



SUNDAY - 24 August

	Hall C
09.30-11.00	Short Course Rafael Lucena, Ezel Boyaci Sample Preparation
11.00-11.15	Coffee Break
11.15-13.15	Short Course Elia Psillakis, Veronica Pino Sample Preparation
13.15-14.15	Lunch
14.15-15.45	Short Course Emirhan Nemutlu, Fernando Benavente Omics
	Registration 14.00-17.45
	Hall A
17.00-17.30	Opening Ceremony Chair: Gustavo Rivas
17.30-18.15	PL-01 Bezhan Chankvetadze Recent Advances and Still Remaining Challenges in Understanding Chiral Recognition Mechanisms of Cyclodextrins
19.00-20.00	Welcome Reception Turkish Air Force Eagles of Jazz

MONDAY - 25 August

	Hall C	
	Chair: Salvatore Fanali	
09.00-09.45	PL-02 Vaclav Kasicka Capillary Zone Electrophoresis and Isotachophoresis Applied for Analysis and Physicochemical Characterization of Biologically Active Peptides and Lipopeptides	
09.45-10.15	Coffee Break	
	Hall C	Hall D
	Chairs: Paola Peluso, Rafael Lucena	Chairs: Markus Ganzera, Ziad El Rassi
10.15-10.45	KL-01 Salvatore Fanali Use of capillary packed with sub 2 mm modified silica particles for enantiomers separation by nano-LC	KL-02 Zhengjin Jiang Impact of Zwitterion Charge Distribution and types on HILIC Retention Behavior: Toward Rational Stationary Phase Design
10.45-11.15	KL-03 Gerhard K. E. Scriba Combination of CE and molecular modeling for the understanding of the chiral recognition of cyclodextrins	KL-04 Ann Van Schepdael The LC/MS Analysis of Amino Acids in Biological Fluids: Challenges and Relevance
11.15-11.45	KL-05 Maria Soledad Cardenas Affordability of Substrate Spray Mass Spectrometry Interfaces Based on Capillaries	KL-06 Yehia Mechref Integrative Multi-Omics Profiling of Traumatic Brain Injury: From Glycan Isomers to Functional Networks
11.45-12.00	OP-01 Zeynep Kalaycioglu Elucidating the Binding Behavior of Biogenic Amines to Serum Albumin via Capillary Electrophoresis–Frontal Analysis and Molecular Docking	OP-02 Metrohm-Elif Kulaksiz Ion chromatography for pharmaceutical analysis
12.00-12.15	OP-03 Emre Birol Investigation of the Changes in Protein Corona Profile Under Ultrasound Exposure	OP-04 Aysun Dincel HPLC-Based Quantitative Determination of Calcium Channel Blockers Felodipine and Lercanidipine in Biological Fluids: Method Development and Validation

MONDAY - 25 August

	Hall A	Hall B
12.15-13.30	Lunch and Vendor Seminars CAS- Gorkem Mergen Enhance your research with CAS Sciencefinder Discovery Platform	Lunch and Vendor Seminars Mettler Toledo- Furkan Ermut Data Integrity- Data Transformation
	Hall C	Hall D
	Chairs: Gerhard Scriba, Zhengjin Jiang	Chairs: Ann Van Schepdael, Caglar Elbuenen
13.30-14.00	KL-07 Paola Peluso Mechanistic Aspects in Enantioselective Liquid-Phase Separations	KL-08 Lukasz Ciesla UPLC-MS/MS and MALDI Mass Spectrometry and Imaging Techniques in the Study of Pro-resolving Oxylinins in Animal Models of Parkinson's Disease
14.00-14.15	OP-05 Emine Kubra Inal Application of an HPLC Method for Detecting Furosemide, a Diuretic, in Edema-Relieving Herbal Coffee	OP-06 Seyedamirhosein Abdorahimzadeh Microfluidic Electro-Viscoelastic Separation of Submicron Particles and Extracellular Vesicles
14.15-14.30		OP-08 Fulya Sutcu Guney Removal of Methylene Blue by Adsorption and Photocatalytic Methods Using Nanoclay@VS2 Nanocomposite
14.30-16.00	Coffee Break and Poster Session (ITP-P-01; ITP-P-30)	
	Chairs: Boguslaw Buszewski, Vaclav Kasicka	Chairs: Lukasz Ciesla, Gamze Guney Eskiler
16.00-16.30	KL-09 Ziad El Rassi Reversed Phase Capillary Electrochromatography of Derivatized Mono- and Oligosaccharides on an Octadecyl Monolithic Capillary Column	KL-10 Markus Ganzera Mycosporine-like Amino Acids – An Interesting Class of Natural Products From an Analytical Perspective
16.30-16.45	OP-09 Gabriela Ribeiro Novel and Simple Method for Determination of Glycols Using Capillary Electrophoresis with Contactless Conductivity Detection	OP-10 Nadia Bounoua Temperature and Concentration Effects on the Enantioselective Analysis of some azoles via HPLC and Capillary Electrophoresis
18.00-18.40	Ankara State Performing Arts Ensemble	

TUESDAY - 26 August

	Hall A	
	Chair: David Da Yong Chen	
09.00-09.45	PL-03 Maria Montes Bayon Analysis of Individual Cells Using Mass Spectrometric Approaches: An Analytical Challenge	
09.45-10.15	Coffee Break	
	Hall A	Hall B
	Chairs: Maria Montes Bayon, Serge Rudaz	Chairs: Takuya Kubo, Bohuslav Gas
10.15-10.45	KL-11 Alberto Escarpa Paper and 3D Printing-Based Analytical Devices for Transferrin Saturation Assessment in Serum Samples from Ischemic Stroke Patients	KL-12 Michał J. Markuszewski Multiplatform pharmacometabolomics towards evaluation endothelium dysfunction induced by oncological therapy.
10.45-11.15	KL-13 Ismail Rustamov Native RPLC-HRMS for Rapid Characterization of Antibody Drug Conjugates	KL-14 Fernando Benavente Valve-free on-line digestion strategies for enhanced bottom-up analysis of protein biomarkers by capillary electrophoresis-mass spectrometry
11.15-11.35	IL-01 Caglar Elbuken Electro-viscoelastic Focusing – A New Method for Nanoparticle Purification	IL-02 Chiara Cavaliere Liquid Chromatography-High Resolution Mass Spectrometry for the Identification of Bacterial Lipids as Potential Environmental Biomarkers
11.35-11.50	OP-11 Sevgi Polat Continuous-Flow Electrochemical Recovery of Lithium Ions Using Biomass-Derived Electrodes	OP-12 Songul Ulusoy HPLC-DAD determination of Bisphenol A in fruit juices using a synthesized Magnetic Sorbent
11.50-12.15	Symposium Photo	
12.15-13.30	<i>Lunch and Vendor Seminars</i> Mettler Toledo- Özgür Çökelek Equipment Qualification of Balances for USP and EP Regulations	<i>Lunch and Vendor Seminars</i> LiKrom-Ezgi İrem Sıbroglu Waters® “MaxPeak™ High Performance Surface” Technology

TUESDAY - 26 August

	Hall A	Hall B	Hall F
	Chairs: Alberto Escarpa, Yehia Mechref	Chairs: Michal Markuszewski, Fernando Benavente	
13.30- 14.00	KL-15 Serge Rudaz Comprehensive Steroid Profiling as Bioanalytical Readouts for Toxicology : Uncover Hormonal Alterations in Cannabis Users	KL-16 David Da Yong Chen Specific and non-specific interactions of biomolecules evaluated by capillary electrophoresis frontal analysis.	Brokerage event - OrChESTRA
14.00- 14.30	IL-03 Nebile Daglioglu Chromatographic Approaches for the Determination of Drug and Alcohol Markers in Forensic Toxicology.	KL-17 Takuya Kubo Specific Interactions in Liquid Phase Separations	
14.30- 14.50	IL-05 Giorgi Kobidze Isotope-Effects in High-Performance Liquid Chromatography: First Baseline Separation of Isotopomers on Achiral and Chiral Columns	IL-04 Wiktorina Struck-Lewicka Targeted metabolomics as a successful tool in evaluation of prospective cancer biomarkers	
14.50- 15.10	OP-13 Merve Kuloglu Genc Detection of Undeclared Sibutramine in Herbal Weight Loss Supplements by Gas Chromatography-Mass Spectrometry (GC-MS)	OP-14 Metrohnm- Nurten Ucak Titration for pharmaceutical analysis	
15.10- 16.20	Coffee Break and Poster Session (ITP-P-31; ITP-P-55)		
	Chairs: Eva Szoko, Giorgi Kobidze	Chairs: Coral Barbas, Lorenzo Antonelli	
16.20- 16.50	KL-18 Boguslaw Buszewski Characterization, identification and determination of microbiomes by separation, imaging and spectral techniques	KL-19 Bohuslav Gas The Beauty of Partial Differential Equations in Mastering Electrokinetic Separations	
16.50- 17.05	OP-15 Marta Pelcová Finding Relationship between Dried Blood Spot and Plasma Clozapine Concentrations	OP-16 Edoardo Parisi UHPLC-MS-MS Characterization of Anthocyanins and Phenolic Compounds from Different Fractions of Pigmented Wheat	
17.05- 17.20	OP-17 Xiaodong Sun MOFs based OT-CEC for chiral separation	OP-18 Hazal Avcı A Novel and Environmentally Friendly Stability Indicating HPLC Method for the Analysis of Vamorolone, A Duchenne Muscular Dystrophy Drug	
19.30- 22.00	Gala Dinner		

TUESDAY - 26 August



OrChESTRA



Brokerage event

AGENDA

26 August 2025, Tuesday
Ankara University, Ankara, Türkiye

13:20 - 13:30	Registrations
13:30 - 13:40	Opening Remarks
13:40 - 14:00	Overview of the Organ-on-a-Chip Focused Strategic Partnership (OrChESTRA) Project Ender Yıldırım ODTÜ MEMS Center
14:00 - 14:40	Overview of the upcoming Horizon Europe Calls National Contact Points (tbc)
14:40 - 15:20	Pitching Session - I
15:20 - 15:30	Coffee Break
15:30 - 16:10	Pitching Session - II
16:10 - 17:30	One-to-one Matchmaking Meetings

ACKNOWLEDGEMENTS

Organised within the framework of the OrChESTRA project coordinated by ODTÜ MEMS Center, the Brokerage Event benefits from the synergistic collaboration of leading European research organisations.

Ankara University is generously hosting the brokerage event activities, providing the venue, logistical support, and on-site coordination.

The event is hosted by 31st International Symposium on Electro- and Liquid-Phase Separation Techniques (ITP 2025) and 7th International Symposium on Advances in Pharmaceutical Analysis (APA 2025) organized at Ankara University.



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WEDNESDAY - 27 August

	Hall C	
	Chair: Veronico Pino	
09.00-09.45	PL-04 Elia Psillakis Towards Sustainable Analytical Chemistry	
09.45-10.15	Coffee Break	
	Hall C	Hall D
	Chairs: Maria Soledad Cardenas, Elia Psillakis	Chairs: Chiara Cavaliere, Wiktoria Struck-Lewicka
10.15-10.45	KL-20 Alessandra Gentili Natural Cyclodextrin Nanosponges: an Example of Sustainable Sorbents for Green Sample Preparation	KL-21 Guowang Xu Metabolomics analysis for single cell based on mass spectrometry
10.45-11.15	KL-22 Rafael Lucena Planar sorptive phases, from classical analytical workflows to direct mass spectrometry analysis	KL -23 Bekir Salih Ion Mobility-Mass Spectrometry Analysis of Biopharmaceuticals
11.15-11.45	KL-24 Veronica Pino In-vial thin film microextraction with metal-organic frameworks.	KL-25 Coral Barbas Advances in accurate annotation for lipidomics analysis
11.45-12.05	IL-06 Chiara Fanali Green Approaches to Sample Preparation and Pesticide Analysis: Advances in Sustainable Analytical Techniques	IL-07 Ezel Boyaci Advanced Extractive Materials in Solid Phase Microextraction: Electrospun Nanofibers
12.05-12.20	OP-19 Giovanni D'Orazio A sustainable approach to the analysis of plant matrices by Nano-LC and NMR	OP-20 Rukiye Aslan Critical Role of Derivatization In The Analysis of Amphetamine-Type Stimulants in Urine by Solid-Phase Microextraction and Electrospun Nanofibers for Determination
12.20-12.35	OP-21 Halil Ibrahim Ulusoy Easy applicable sensitive analysis approaches for pesticide residues in food Samples	OP-22 Aslihan Ekici Magnetic Solid-Phase Extraction and Photocatalytic Removal of Organic and Pharmaceutical Pollutants Using a Multifunctional $\text{TiSe}_2/\text{Fe}_3\text{O}_4/\text{ZnS}$ -Based Nanocomposite

WEDNESDAY - 27 August

	Hall A	
12.35-13.35	Lunch and Vendor Seminar EBSCO- Ugurcan Ozkan Solutions from EBSCO: OA Article Publishing, AI Based Research and Drug Info Tool	
	Hall C	Hall D
	Chairs: Bezhan Chankvetadze, Salvatore Fanali, Rafael Lucena, Ezel Boyaci	Chairs: Marisol Cardenas, Coral Barbas, Boguslaw Buszewski, Maria Montes Bayon
13.35-13.45	YS-01 Mayra Paschoarelli Innovative 3D-Printed Integrated Porous Membrane for Electromembrane Extraction	YS-06 Mathias Kavai Simple and low-cost platforms for fluorescence analyses coupled with electrophoretic separation
13.45-13.55	YS-02 Ceren Bozmaoglu Quantification of Naltrexone and 6 β -Naltrexol in Human Plasma for Monitoring Alcohol Use Disorder Treatment	YS-07 Abeer Elris Rapid Determination of Flavorings in E-cigarette Liquid and Hookah Tobacco by Direct Analysis in LC-MS/MS Method
13.55-14.05	YS-03 Lorenzo Antonelli Recycled Polymers as Functional Sorbents: A Green Approach to Analytical Sample Preparation and Water Remediation	YS-08 Cansu Beyret Development of a Capillary Electrophoresis Method for the Determination of Naltrexone and Its Main Metabolite 6-B-Naltrexol Used in the Treatment of Opioid Dependence
14.05-14.15	YS-04 Jincai Wang A sensitive and accurate 1536-based screening platform coupled with cosine similarity-driven algorithm for high-throughput screening of bioactive compounds from complex matrices	YS-09 Kardelen Avci Development and Validation of A Simultaneous HPLC-UV Method for Alpha-Lipoic Acid and Coenzyme Q10 in Multiple Biological Matrices
14.15-14.25	YS-05 Omer Sen Wound Healing Properties of Paliurus spinachristi Mill.: Insights from Green Extraction Techniques and Metabolomic Analysis	YS-10 Maria Chiara Frondaroli Deep Eutectic Solvent and Silica Gel Material for the Extraction of Pesticides from Hazelnut Samples followed by UHPLC-MS/MS Analysis
14.25-15.10	Coffee Break	
	Open Air Ceremony Hall	
	Chair: Bezhan Chankvetadze	
15.10-15.50	PL-05 Gustavo Rivas Assembling Functionalized Carbon Nanomaterials as Lego Pieces to Build Electrochemical Sensors	
15.50-16.30	Awards Ceremony / Closing Remarks	

POSTER PROGRAM

POSTERS / 25 August 2025

ITP-P-01	Siloxane-Free Silicon-Based Copolymer for In-Tube Solid-Phase Microextraction <u>Mohamed Mohamed</u> (Kuwait University, Kuwait)*; Abdullah Alhendal (Kuwait University, Kuwait); Ali Husain (Kuwait University, Kuwait)
ITP-P-02	Comparison of Commercial and Local Production Reagents in Complete Blood Count Analysis <u>Merve Vurucuel</u> (Erciyes University, Türkiye)*; E. Yılmaz (Erciyes University, Türkiye)
ITP-P-03	Development of a Molecularly Imprinted Solid-Phase Extraction (MISPE) Method for the Extraction of Quercetin from Quercetin-Containing Dietary Supplement Capsules. <u>Sibel Barbaros Djebbar</u> (Altınbas University, Türkiye)*; Fatma Tuba Gozet (Altınbas University, Türkiye); Eda SAHİN (Altınbas University, Türkiye); Ayse Huda GUN (Altınbas University, Türkiye)
ITP-P-04	Supramolecular Deep Eutectic Solvent As A Potential Innovative Green Solvent For The Extraction Of Phenolic Compounds From Olive Pomace <u>Giorgia Pietrangeli</u> (Campus Bio-Medico University of Rome, Italy)*; Susanna Della Posta (Campus Bio-Medico University of Rome, Italy); Chiara Maggi (Istituto superiore per la protezione e la ricerca ambientale, Italy); Chiara Fanali (Campus Bio-Medico University of Rome, Italy)
ITP-P-05	A Simple and Affordable CZE-UV Method for Quality Control of Insulin in Active Pharmaceutical Ingredient and Formulations Using Quadruple Polymer-Coated Capillars <u>Hailekiros Kidanemariam</u> (KU Leuven, Belgium)*; Ann Van Schepdael (KU Leuven, Belgium); Erwin Adams (KU Leuven, Belgium)
ITP-P-06	In-Silico Study of Momordica charantia L. extract with GC-MS to Reveal Its Biological Importance <u>Beril Sena Kaya</u> (Istanbul Technical University, Türkiye)*; Neset Nesetoglu (Istanbul University, Türkiye); Durisehvar Unal (Istanbul University, Türkiye); Ayseul Golcu (Istanbul Technical University, Türkiye)
ITP-P-07	A Novel Method for Determination of Sucralose via Capillary Electrophoresis with Contactless Conductivity Detection <u>Gabriela Ribeiro</u> (Universidade Estadual de Campinas, Brazil)*; Dosil de Jesus (Universidade Estadual de Campinas, Brazil)
ITP-P-08	Detection of Milk Adulteration with Volatile Fingerprints <u>Uluc Sipahi</u> (Ege University, Türkiye)*; Su Ozgur (EgeSAM (Ege University Translational Pulmonary Research Center), Türkiye); Levent Pelit (Ege University, Türkiye)
ITP-P-09	Development Of Metal Oxide-Based Solid Phase Microextraction Fiber for The Determination of Volatile Compounds <u>Berfu Yigrik</u> (Ege University, Türkiye)*; Levent Pelit (Ege University, Türkiye)
ITP-P-10	Novel and Simple Method for Determination of Glycols Using Capillary Electrophoresis with Contactless Conductivity Detection <u>Gabriela Ribeiro</u> (State University of Campinas, Brazil)*; Layra de Faria (State University of Campinas, Brazil); Dosil de Jesus (State University of Campinas, Brazil)

ITP-P-11	On-chip Cyclotide Separation from Plant Extracts <u>Beyza Daghan</u> (Ankara Yıldırım Beyazıt University, Türkiye)*; Fatma Dogan Guzel (Ankara Yıldırım Beyazıt University, Türkiye); Mesut Bora Akdogan (Ankara Yıldırım Beyazıt University, Türkiye); Aliakbar Ebrahimi (Ankara Yıldırım Beyazıt University, Türkiye); Mulatu Kassie Birhanu (Ankara Yıldırım Beyazıt University, Türkiye); Hossein Hashempour (Azarbaijan Shahid Madani University, Iran); Reza Didarian (Ankara Yıldırım Beyazıt Univeristy, Türkiye); Zahra Zendehe (Ankara Yıldırım Beyazıt University, Türkiye)
ITP-P-12	Acidity Constants of Peptides with Prolonging Fatty Acid Chain Estimated by Capillary Electrophoresis <u>Veronika Solinova</u> (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic)*; Adela Krizkova (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic); Lenka Maletinska (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic); Vaclav Kasicka (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic)
ITP-P-13	Analysis of Cyclic Diadenosine Diphosphorothioate and the Diastereomers of Its Difluorinated Derivative and Characterization of Their Interactions with 2-Hydroxy-propyl-β-Cyclodextrin by Capillary Electrophoresis <u>Sille Stepanova</u> (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic)*; Petra Brehova (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic); Vaclav Kasicka (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic)
ITP-P-14	Development of a Fast Liquid Chromatography Method With a Chemometric Approach Based on Box-Behnken Design for the Determination of Antidepressants in Pharmaceutical Formulations <u>Tugce Ozyigit</u> (Karadeniz Technical University, Türkiye)*; Sercan Yıldırım (Karadeniz Technical University, Türkiye)
ITP-P-15	Quantitative Determination of Isavuconazole in Rat Brain Tissue by HPLC-PDA Using A Box-Behnken Design: A Validated Approach For Assessing Blood-Brain Barrier Penetration <u>Ekin Aydin</u> (Anadolu University,Türkiye)*; Elris A. (Anadolu University,Türkiye); Avcı H. (Anadolu University,Türkiye); Ozcan S. (Anadolu University,Türkiye); Levent S. (Anadolu University,Türkiye); Can NO.(Anadolu University,Türkiye)
ITP-P-16	The Assessment Of Urinary Nucleosides And Deoxynucleosides As Potential Cancer Markers <u>Joanna Raczak-Gutknecht</u> (Medical University Of Gdańsk, Poland)* ; W. Struck-Lewicka(Medical University Of Gdańsk, Poland); J. Jacyna (Medical University Of Gdańsk, Poland); M. Artymowicz (Medical University Of Gdańsk, Poland); M. Markuszewski (Medical University Of Gdańsk, Poland); P. Gutknecht (Medical University Of Gdańsk, Poland); M.J. Markuszewski (Medical University Of Gdańsk, Poland); D. Siluk (Medical University Of Gdańsk, Poland)

	Polystyrene Microplastics: Biofilm Formation and Adsorption Behavior of Organic Contaminants and Humic Substances
ITP-P-17	<u>Chiara Cavaliere</u> (University of Rome La Sapienza, Italy)*; Aldo Laganà (University of Rome La Sapienza, Italy); Angela Michela Immacolata Montone (Istituto Zooprofilattico Sperimentale del Mezzogiorno, Italy); Carmela Maria Montone (University of Rome La Sapienza, Italy); Erica Quagliarini (University of Rome La Sapienza, Italy)
	A Novel Combo HPLC Analytical Method For Trimethobenzamide HCl Related Substances And Preservative Assay Analysis in Drop Form
ITP-P-18	<u>Simge Balci Filiz</u> (Kurtsan Pharmaceuticals Inc., Türkiye)*; Bahriye Celik (Kurtsan Pharmaceuticals Inc., Türkiye); Erhan Temur (Kurtsan Pharmaceuticals Inc., Türkiye); Dilek Matur (Kurtsan Pharmaceuticals Inc., Türkiye)
	Antioxidant Activities of Turkish Black Tea During Processing
ITP-P-19	<u>Meysera Bakirci</u> (Istanbul Technical University, Türkiye)* ; A. Al Faysal (Istanbul Technical University, Türkiye); A. Gölcü (Istanbul Technical University, Türkiye)
	A study of enzyme kinetics and their inhibition using droplet microfluidics with online variation of the analyte concentration
ITP-P-20	<u>Zdenek Glatz</u> (Masaryk University, Czech Republic)*, Michal Sedlák (Masaryk University, Czech Republic), Lukáš Jordán (Masaryk University, Czech Republic), Marta Pelcová (Masaryk University, Czech Republic)
	Investigation of the Explosive Performance Properties of Co-Crystals of TNT and Picric Acid: A Combined Experimental and Theoretical Approach
ITP-P-21	<u>Irem Teciman</u> (Ankara University, Türkiye)*; Nilgün Sen (Turkish National Police Academy, Türkiye)
	Analytical Separation and Quantification of THC Isomers and Metabolites in Blood and Urine by LC-MS/MS
ITP-P-22	<u>Hatice Soy Turk</u> (Ankara University, Türkiye)*; Ismail Ethem Goren (Ankara University, Türkiye); Asli Atasoy Aydın (Ankara University, Türkiye); Nebile Daglioglu (Ankara University, Türkiye)
	Monitoring of Morphine in Urine After Consumption of “Opium Poppy Sprouts” Using Immunoassay and Orbitrap LC-MS/MS
ITP-P-23	<u>Duygu Yesim OVAT</u> (Ege University, Türkiye)*; Emine OZBUNAR (Police Academy, Türkiye); Ozlem AKIN (Ege University, Türkiye); Inci SAGLAM (Manisa Mental Health and Diseases Hospital, Türkiye); Serap Annette AKGUR (Ege University, Türkiye)
	Determination of Fluoxetine in Culture Medium by High Performance Liquid Chromatography
ITP-P-25	<u>Nuran Gokdere</u> (Ankara University)* ; S.S. Rızvanoglu (Ankara University, Türkiye); Murat Sefa Karaaslan (Ankara University, Türkiye); I.Murat Palabiyik (Ankara University, Türkiye); Nurten Altanlar (Ankara University, Türkiye); Mujde Eryilmaz (Acibadem Mehmet Ali Aydınlar University, Türkiye)

POSTERS / 25 August 2025

ITP-P-26	Method Optimization for Cyclophosphamide Administered After Allogenic Stem Cell Transplantation from Blood Serum by HPLC <u>Sema Koyuturk</u> (Istanbul Medipol University, Türkiye)*; Elif Nur Basaran (Istanbul Medipol University, Türkiye); Gulden Zehra Omurtag (Istanbul Medipol University, Türkiye)
ITP-P-27	Apomorphine Hydrochloride API Cleaning Test Analytical Method Development and Validation <u>Deniz Kaya</u> (Gen Pharmaceuticals Inc., Türkiye)*; Ceren Ozdemir (Gen Pharmaceuticals Inc., Türkiye); Serhat Kozlu (Gen Pharmaceuticals Inc., Türkiye)
ITP-P-28	Quantitative Determination of Dapagliflozin Bioequivalence in Human Plasma by LC-MS/MS Method <u>Elif Basak Tuncer</u> (Novagenix Drug R&D Center, Türkiye)*; Hale Aydonat (Novagenix Drug R&D Center, Türkiye); Berrak Guney (Novagenix Drug R&D Center, Türkiye); Melek Ercelik (Novagenix Drug R&D Center, Türkiye); Onursal Saglam (Novagenix Drug R&D Center, Türkiye)
ITP-P-29	Determination of the Genotoxic Impurity p-Chloroaniline at ppm Level in a Pharmaceutical Dosage Form Containing Chlorhexidine Hydrochloride, Benzocaine and Enoxolone <u>Duygu Sena Yasin</u> (Nobel Pharmaceuticals Inc., Türkiye) *; Serdar Mısırlıoglu (Nobel Pharmaceuticals Inc., Türkiye); Gamze Aydogan (Nobel Pharmaceuticals Inc., Türkiye); Selda Zengin Kurnalı (Nobel Pharmaceuticals Inc., Türkiye); Berna Okcelik Erdogan (Nobel Pharmaceuticals Inc., Türkiye)
ITP-P-30	Development of Cost-Effective Electrode Platforms: A Comparative Study of Screen-Printed, Slurry-Based, and Laser-Induced Graphene Electrodes <u>Zelal Sayan</u> (TOBB University of Economics and Technology, Türkiye)*; Emine Yıldırım (Gazi University, Türkiye); Erhan Karaca (Hacettepe University, Türkiye); Gokhan Ozgenc (Gazi University, Türkiye), Ugur Tamer (Gazi University, Türkiye)
ITP-P-31	Structural and Optical Characterization of CMC-Based Thin Films Reinforced with Cerium Oxide, Nano-Graphene, and Graphene Oxide <u>Nilay Kahya</u> (Istanbul Technical University, Türkiye); Nilay Kahya (Istanbul Technical University, Türkiye)*; Alper Gurarslan (Istanbul Technical University, Türkiye)

ITP-P-32	An innovative electrochemical magnetosensor for sensitive detection of dibutyl phthalate: a strategy for migration tests <u>Elif Burcu Aydin</u> (Namık Kemal University, Türkiye)*; Muhammet Aydin (Tekirdag Namık Kemal University, Türkiye); Mustafa Kemal Sezginturk (Canakkale Onsekiz Mart University, Türkiye)
ITP-P-33	Label-free detection of di(2-ethylhexyl)phthalate with bio-modified magnetic nanoparticles <u>Muhammet Aydin</u> (Tekirdag Namık Kemal University, Türkiye)*; Elif Burcu Aydin (Tekirdag Namık Kemal University, Türkiye); Mustafa Kemal Sezginturk (Canakkale Onsekiz Mart University, Türkiye)
ITP-P-34	Specific monitoring of dibutyl phthalate using flexible graphite screen-printed electrode: A new electrochemical biosensor <u>Elif Burcu Aydin</u> (Tekirdag Namık Kemal University, Türkiye)*; Muhammet Aydin (Tekirdag Namık Kemal University, Türkiye); Mustafa Kemal Sezginturk (Canakkale Onsekiz Mart University, Türkiye); Mamas I. Prodrmidis (University of Ioannina, Greece)
ITP-P-35	A Novel Aptamer-Based Electrochemical Biosensor for Rapid and Highly Sensitive Detection of ARAH1 <u>Inci Uludag Anil</u> (Canakkale Onsekiz Mart University, Türkiye)*; Canan Ozyurt (Canakkale Onsekiz Mart University, Türkiye); Burcak Demirbakan (Canakkale Onsekiz Mart University, Türkiye); Burcu Eroglu (Canakkale Onsekiz Mart University, Türkiye); Mustafa Kemal Sezginturk (Canakkale Onsekiz Mart University, Türkiye)
ITP-P-36	Ultrasensitive Electrochemical Detection of Hepatocellular Carcinoma Biomarker Alpha-fetoprotein <u>Nazlıcan Candaş</u> (Canakkale Onsekiz Mart University, Türkiye)*; Inci Uludag Anil (Canakkale Onsekiz Mart University, Türkiye); Ayca Ozel (Canakkale Onsekiz Mart University, Türkiye); Elif Nur Ustun (Canakkale Onsekiz Mart University, Türkiye); Mustafa Kemal Sezginturk (Canakkale Onsekiz Mart University, Türkiye)
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ITP-P-42	Magnetic Nanoparticle-Based Enrichment and SERS-Labeled Sandwich Immunoassay in a PDMS Microfluidic Chip for Sensitive Bacterial Detection Zahra Zende (Ankara Yıldırım Beyazıt University, Türkiye)*; Emine Yıldırım (Gazi University, Türkiye); Leyla Didem Kozacı (Ankara Yıldırım Beyazıt, Türkiye); Ugur Tamer (Gazi University, Türkiye); Fatma Dogan Guzel (Ankara Yıldırım Beyazıt, Türkiye)
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	<u>Cemre Kancagi Kuran</u> (Ilko Pharmaceuticals Research and Development Center, Türkiye)*; Yagmur Cengiz (Ilko Pharmaceuticals Research and Development Center, Türkiye); G. Pelin (Ilko Pharmaceuticals Research and Development Center, Türkiye), K.O. Bahar (Ilko Pharmaceuticals Research and Development Center, Türkiye), D. Asuman (Ilko Pharmaceuticals Research and Development Center, Türkiye) P. Onur (Ilko Pharmaceuticals Research and Development Center, Türkiye)
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	<u>Melike AKAN</u> (Ankara Hacı Bayram Veli Üniversitesi, Türkiye)*; Cigdem Kanbes-Dindar (Ankara Hacı Bayram Veli University, Türkiye); Nazim Karadeniz (CHIDO Technology, Türkiye)
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	<u>Elif Damla Gök Topak</u> (Hacettepe University, Türkiye)*; Emirhan Nemutlu (Hacettepe University, Türkiye)
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	Fusun Pelit (Ege University); <u>I. Erbas</u> (Ege University, Türkiye)*; M. Gul (Ege University, Türkiye); E. Sakrak (Ege University, Türkiye); K. Ocakoglu (Tarsus University, Türkiye); D. Ozdemir (Izmir Institute of Technology, Türkiye), T. Goksel (Ege University, Türkiye); O. Goksel (Ege University, Türkiye), L. Pelit (Ege University, Türkiye)
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	<u>Murat Serhatlioglu</u> (Antalya Bilim University)*; B. Rezaei (Technical University of Denmark, Denmark); A. Stovicek (Technical University of Denmark, Denmark); S. Pikkupaura (Novo Nordisk A/S, Denmark) ;K.Hoestgaard-Jensen (Novo Nordisk A/S, Denmark); S. S. Keller (Technical University of Denmark, Denmark); A. Dechesne (Aarhus University, , Denmark) B. F. Smets (Novo Nordisk A/S, Denmark) A. Kristensen (Technical University of Denmark, Denmark)
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	<u>Melda Beleli</u> (Ege University)*; M.Gul (Ege University, Türkiye); E.C.Yildirim (Ege University, Türkiye); F. Pelit (Ege University, Türkiye)

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