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**ANALYSIS**  
September 1-5 **2019**  
Istanbul University, Istanbul / TURKEY



SCIENTIFIC PROGRAM



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Short Courses

(Venue: Istanbul University, Faculty of Pharmacy)

	Hall A	Hall B		Hall C	Hall D
	<b>Introduction to chemometrics</b>	<b>New trends in biosensors, bioanalysis, biofuelcells-biosupercapacitors</b>		<b>Ion-mobility mass spectrometry and applications</b>	<b>Metabolomics for beginners</b>
09:00-10:30	Roma Tauler	Susana Campuzano Ruiz María Pedrero José Manuel Pingarrón Gustavo Rivas		Christian Rolando Mehmet Atakay	Coral Barbas Emirhan Nemetlu
10:30-10:45	Coffee Break			Coffee Break	
10:45-13:00	Roma Tauler	Susana Campuzano Ruiz María Pedrero José Manuel Pingarrón Gustavo Rivas		Christian Rolando Mehmet Atakay	Coral Barbas Emirhan Nemetlu
13:00-14:00	Lunch			Lunch	
14:00-15:30	Federico Marini	Giovanna Marrazza Raluca-Ioana Stefan-van Staden Sergey Shleev		<b>Capillary electrophoresis in biotech and pharmaceutical industries</b>	<b>Proteomics for beginners</b>
				Franka Kalman Cari Sängner	Duygu Ozel Demiralp Secil Turan
15.30-15.45	Coffee Break			Coffee Break	
15.45-17.00	Federico Marini	Giovanna Marrazza Raluca-Ioana Stefan-van Staden Sergey Shleev		Franka Kalman Cari Sängner	Duygu Ozel Demiralp Secil Turan

Short Courses

Venue: Istanbul University, Faculty of Pharmacy


	Hall A	Hall B		Hall C	Hall D
	<b>Challenges in analytical development for pharmaceutical industry</b>	<b>Enantioseparations</b>		<b>Sample preparations and solid phase microextraction</b>	 <b>GE Protein purification: How to determine the best strategy for your protein purification process</b>
09:00-11:00	Vladimir Ioffe	Wolfgang Lindner Bezhan Chankvetadze		Janusz Pawliszyn Ezel Boyaci	Alper Uras
11:00-11:30	Coffee Break			Coffee Break	
11:30-14:00	Vladimir Ioffe	Wolfgang Lindner Bezhan Chankvetadze		Janusz Pawliszyn Ezel Boyaci	Alper Uras
14:00-14:30	Lunch			Lunch	
14:30-16:00	Vladimir Ioffe				

Scientific Program

Venue: Prof. Dr. Cemil Bilisel Conference Hall (Faculty of Science)

14:00-19:00	Registration		Registration
	<b>Hall A</b>		<b>Hall A</b>
17:00-17.15	<b>Opening Ceremony: Sibel A. OZKAN, Chair</b>		<b>Opening Ceremony: Sibel A. OZKAN, Chair</b>
	<b>Chairs:</b>		<b>Slavica RAZIC &amp; Mustafa Resat APAK</b>
17:15-19:00	<b>Plenary Lecture</b>		<b>Osman Yavuz Ataman</b> A short history of analytical chemistry in Turkey
	<b>Plenary Lecture</b>		<b>Luisa Torsi</b> Single-molecule sensing of clinical biomarkers <i>Robert Kellner Award 2019 (Sponsored by Springer)</i>
19:00-19:30	<b>GE HEALTHCARE</b>		<b>Fredrik Sundberg</b> Novel analytical approaches which has been changing the way of working in research and industry
20:00-21:30	<b>Welcome Reception &amp; "ADA"</b> Ankara University Dance Research Student Culture and Art Association & Ankara University Faculty of Educational Sciences Folk Dance Ensemble (EBF-HOT) <i>(Venue: Best Western Plus The President Hotel)</i>		<b>Welcome Reception &amp; "ADA"</b> Ankara University Dance Research Student Culture and Art Association & Ankara University Faculty of Educational Sciences Folk Dance Ensemble (EBF-HOT) <i>(Venue: Best Western Plus The President Hotel)</i>

	Hall A			Hall A	
	Chairs			Bezhn CHANKVETADZE & Ana Maria Oliveira BRETT	
08:30-09:10	Plenary Lecture			Mustafa Resat Apak Mechanisms of colorimetric sensors and nanoprobe for characterizing antioxidant and nitroenergetic substances	
09:10-09:50	Plenary Lecture			Elena Ibanez Ezequiel Green foodomics: New discoveries in a long journey	
09:50-10:20	Coffee Break- Poster Session 1 - (Poster Areas)			Coffee Break- Poster Session 1 - (Poster Areas)	
	Hall A	Hall B		Hall C	Hall D
	Session 1	Session 2		Session 3	Session 4
	Separation Science-1 (Chairs: Emmanuelle LIPKA & Cari SANGER)	Sensors-1 (Chairs: Gustavo RIVAS & Zuhre SENTURK)		Education (Chairs: Martin VOGEL & Charlotta TURNER)	Chemical Analysis (Chairs: Simona PICHINI & Marcela Alves SEGUNDO)
10:20-10:50	KNL - Emmanuelle Lipka Which strategy for small scale chiral separation with a low environmental impact in supercritical fluid chromatography	KNL - Gustavo Rivas Biofunctionalization of carbon nanostructures: An interesting alternative for the electrochemical sensing of relevant biomarkers		KNL - Michael Maiwald QM Summer School – teaching living quality management to our young generation.	KNL - Simona Pichini Building bridges between clinical and forensic toxicology laboratories
10:50-11:05	KNL - Wolfgang Lindner Enantioselective 2D-LC concepts and their implementation to analyze D-amino acids and other target compounds	OP - Zuhre Senturk The role of surfactant adsorption on electroanalytical performance: some applications in voltammetric analysis		KNL - Charlotta Turner Teaching analytical chemistry in a changing world – result from a survey conducted in Sweden	OP - Petr Bednar Advanced chemical analysis in archaeological and cultural heritage research – selected aspects and perspectives
11:05-11:20		OP - Arunas Ramanavicius Sensors and biosensors based on conducting polymers			OP - Hadj Daoud Bouras Methylene blue biosorption by Aspergillus carbonarius M333 and Penicillium glabrum Pg1: Kinetics, equilibrium and thermodynamic
11:20-11:35	OP - Pavel Jáč Disputable suitability of $\alpha$ -bromophenylacetic acid as a model analyte for chiral separations	OP - Giorgi Jibuti Application of smart gas sensors for monitoring of atmospheric air quality in urban areas		OP - Nataša Gros What water bodies as a topic have to offer for project-centred cooperative learning at master level	OP - Mounir Daoud Adsorption of reactive dye (BEZAKTIV Yellow S-MAX) on activated carbons derived from Date Palm Rachis and Jujube Stones, in aqueous solution
11:35-12:05	Poster Session 1 - (Poster Areas)			Poster Session 1 - (Poster Areas)	

Hall A		Hall B	
Lunch and Vendor Seminars		Lunch and Vendor Seminars	
<b>GE HEALTHCARE</b> <b>Emeric Gueneau:</b> To affinity and beyond: Biomolecular interaction analysis using surface plasmon resonance		<b>ACS and Methodsnow</b> <b>Wesam AbuSaif:</b> Chemical Abstracts Service collective data to find the best analytical methods	
Chairs		<b>Jose Manuel PINGARRON &amp; K. Arzum ERDEM GURSAN</b>	
13:10-13:50 <b>Plenary Lecture</b>		<b>Christopher M.A. Brett</b> New strategies for nanostructured electrochemical sensor and biosensor platforms	
13:50-14:30 <b>Plenary Lecture</b>		<b>Anthony P.F. Turner</b> Smart polymer biosensors	
Hall A	Hall B	Hall C	Hall D
Session 5	Session 6	Session 7	Session 8
 <b>Electroanalysis</b> Heyrovsky Special Session (Chairs: Jiří BAREK & Mustafa Kemal SEZGINTURK)	<b>Chemometrics</b> (Chairs: Roma TAULER & Federico MARINI)	<b>Olmics</b> (Chairs: Alejandro CIFUENTES & Mustafa CELEBIER)	<b>Atomic Spectroscopy</b> (Chairs: Maria Montes BAYON & Elena IBANEZ EZEQUIEL)
14:30-15:00 <b>KNL - Jiří Barek</b> Importance of electrode materials for modern electroanalytical chemistry	<b>KNL - Roma Tauler</b> Chemometrics: A powerful tool for the investigation of high throughput analytical data	<b>KNL - Alejandro Cifuentes</b> Foodomics identification of bioactive compounds with antiproliferative activity from tropical fruits by-products	<b>KNL - María Montes Bayón</b> Inductively coupled plasma mass spectrometry (ICP-MS) based strategies for biomarker analysis in cell cultures: from bulk to single cell analysis
15:00-15:15 <b>KNL-Ana Maria Oliveira-Brett</b> Electrochemical sensing of health-relevant biological interactions	<b>KNL-Federico Marini</b> Class-modeling: an under-used approach in analytical applications	<b>OP - Ezel Boyaci</b> In vivo investigation of metabolic changes occurring in the rat brain hippocampus after fluoxetine administration using two complementary techniques: solid phase microextraction and microdialysis	<b>OP - Khaled Elgendy</b> Removal of some heavy metal ions in water using ficus sycomorus latex and ficus sycomorus latex-graft-acrylic acid copolymer
15:15-15:30		<b>OP - Domenica Mangraviti</b> High throughput lipidomics analysis by ultra-high performance liquid chromatography combined with a novel dual-filter mass spectral library for identification purposes	<b>OP - Vladimir P Kolotov</b> Methodology and software for comprehensive ICP-QMS data processing using advanced capabilities of relational data base management system
15:30-15:45 <b>KNL - Alain Walcarius</b> Vertically aligned nanoporous silica films: a new class of materials for electrochemical sensing	<b>OP - Martin Feickert</b> Design of experiments as a key element for enabling the endogenous mass spectrometric determination of substance P and related hemokinin-1	<b>OP - Barbara Bojko</b> Application of solid phase microextraction to in vivo brain and brain tumor analysis	<b>OP - Ali Mehdinia</b> Synthesis of nano-magnetic core-shell structures with polystyrene coating in order to extract copper ions in marine samples
15:45-16:00	<b>OP - Ahmad Mani Varnosfaderani</b> Exploring the effects of Lx-norm penalty terms in multivariate curve resolution methods for resolving LC/GC-MS data	<b>OP - Duygu Ozel Demiralp</b> Investigation of nicotinamide effects on Beta-TC-6 cells	<b>OP - Khaled Elgendy</b> Spectrophotometric determination of cerium(III) in some industrial and plant samples in presence of surfactant
16:00-16:45 Coffee Break – Pitches – Poster Session 1 - (Hall A)		Coffee Break – Pitches – Poster Session 1 - (Hall A)	


	Hall A	Hall B		Hall C	Hall D
	Session 9	Session 10		Session 11	Session 12
	<b>Sample Preparation &amp; Green Analytical Chemistry-1</b> (Chairs: Gongke LI & Ezel BOYACI)	<b>Bioelectrochemistry</b> (Chairs: Elena FERAPONTOVA & Barbara BOJKO)		<b>Capillary Electrophoresis</b> (Chairs: Franka KALMAN & Bedia Erim BERKER)	<b>Mass Spectrometry</b> (Chairs: Christian ROLANDO & Nafiz Oncu CAN)
16:45-17:15	<b>KNL - Gongke Li</b> The application of microporous organic polymers for the complex sample preparation in chromatographic analysis	<b>KNL - Elena E. Ferapontova</b> Electrochemical biosensors for bacterial analysis		<b>KNL - Salvatore Fanali</b> Capillary electrochromatography: Features and applications in the field of enantiomers separation	<b>KNL - Christian Rolando</b> Insoluble natural and synthetic polymers analysis for Cultural Heritage Science
17:15-17:30	<b>IOP - Alessandra Gentili</b> Oxidized buckypaper for disc solid phase extraction of oxidative stress biomarkers from plasma samples	<b>OP - Gennady Evtugyn</b> Electrochemical sensing of DNA-drug interaction based on electropolymerized materials as DNA support		<b>OP - Lali Chankvetadze</b> Separation of brombuterol enantiomers in capillary electrophoresis with cyclodextrin-type chiral selectors and investigation of structure of selector-selectand complexes using nuclear magnetic resonance spectroscopy	<b>OP - Elisa Blanco-González</b> Sensitive determination of the human epidermal growth factor receptor 2 (HER2) by immuno-polymerase chain reaction with inductively coupled plasma-mass spectrometry (ICP-MS) detection
17:30-17:45	<b>OP - Philiswa Nosizo Nomngongo</b> Ultrasound-assisted magnetic solid phase extraction of lead and thallium in complex environmental samples using magnetic multi-walled carbon nanotubes/zeolite nanocomposite	<b>OP - Melike Bilgi Kamac</b> Preparation and electrochemical characterization of label-free HE4 immunosensor on screen-printed electrode modified with reduced graphene oxide, polythionine and gold nanoparticles		<b>OP - Bedia Erim Berker</b> Capillary electrophoretic analysis: Revealing the origins, similarities, adulterations, and correlations between contents and bioactivities	<b>OP - Zsuzsanna Eke</b> Effectiveness of gas chromatography mass spectrometry as a tool for the identification of compounds migrating from food contact materials
17:45-18:00	<b>OP - Melisew Tadele Alula</b> Silver nanoparticles coated filter paper with peroxidase-like activity for detection of thiocyanate	<b>OP - Fariba Mollarasouli</b> Ultrasensitive label-free electrochemical impedance immunosensor based on 11-Mercaptoundecanoic acid/Au NPs/L-cysteine modified screen printed carbon electrode for the detection of glial fibrillary acidic protein		<b>OP - Arin Gul Dal Pocan</b> A sensitive CE-LIF method for the determination of telmisartan in rat plasma samples	<b>OP - Mehmet Atakay</b> Conformational analysis of human insulin by trapped ion mobility-mass spectrometry
19:00-20:00	<b>Social Programme:</b> Ministry of Culture and Tourism, İstanbul Historical Turkish Music Ensemble, <b>MEHTER</b> (Ottoman Military Band) & "ADA" Ankara University Dance Research Student Culture and Art Association Venue: Prof. Dr. Cemil Bilsel Conference Hall (Science Faculty)			<b>Social Programme:</b> Ministry of Culture and Tourism, İstanbul Historical Turkish Music Ensemble, <b>MEHTER</b> (Ottoman Military Band) & "ADA" Ankara University Dance Research Student Culture and Art Association Venue: Prof. Dr. Cemil Bilsel Conference Hall (Science Faculty)	

	Hall A			Hall A	
	Chairs:			Arben MERKOÇI & Renato ZENOBI	
08:30-09:10	Plenary Lecture			Coral Barbas Analytical approaches in the metabolomics workflow	
09:10-09:50	Plenary Lecture			David Alsteens Probing ligand binding to native membrane receptors in physiologically relevant conditions using AFM - <i>Heinrich Emanuel Merck Award 2019</i>	
09:50-10:20	Coffee Break – Poster Session 2 - (Poster Areas)			Coffee Break – Poster Session 2 - (Poster Areas)	
	Hall A	Hall B		Hall C	Hall D
	Session 13	Session 14		Session 15	Session 16
	<b>Separation Science-2</b> (Chairs: Emirhan NEMUTLU & Wolfgang LINDNER)	<b>Biosensors-1</b> (Chairs: Almira RAMANAVICIENE & Giovanna MARRAZZA)		<b>Imaging</b> (Chairs: Tony D. JAMES & Yi CHEN)	<b>Bioanalysis-1</b> (Chairs: Salvatore FANALI & Alessandra GENTILI)
10:20-10:50	<b>KNL - Jacques Crommen</b> Stereoselective analysis of D- and L-amino acids by CE-MS and UHPLC-MS	<b>KNL - K. Arzum Erdem Gursan</b> New trends in nucleic acids-based electrochemical biosensors		<b>KNL - Yi Chen</b> SPR imaging for pharmaceutical analysis	<b>KNL - Jonas Bergquist</b> Invasive sampling of inaccessible regions of the human body – pushing the limits of analytical techniques
10:50-11:05	<b>OP - António Rangel</b> Flow-based systems with solid-phase extraction to tackle the challenges of metal ions determination in recreational waters	<b>KNL - José Manuel Pingarrón</b> Affinity biosensing platforms on screen-printed electrodes: electrografting with diazonium salts and new carbon nanoforms		<b>KNL - Tony D. James</b> Fluorescent chemosensors and imaging agents	<b>OP - Ivan Yurievich Sakharov</b> Chemiluminescent microplate-based assays for detection of nucleic acids
11:05-11:20	<b>OP - Yasin Arslanoglu</b> The determination of the geographic origins of Ezine cheese by multi-elemental fingerprinting				<b>OP - Marieta L C Passos</b> Enzymatic reactions for cholesterol evaluations: Use of a lab-on-valve system
11:20-11:35	<b>OP - Paola Donato</b> Investigation of the protein content in waste products from the fishery industry by means of liquid chromatography-mass spectrometry	<b>OP - María Pedrero</b> Looking for the determination of cancer-associated proteases by coupling peptide-magnetic bioconjugates and disposable electrodes		<b>OP - Sezin Ozdemir</b> Use of layer by layer assembly of polyelectrolytes and gold nanoparticle for SERS substrate	<b>OP - Eva Baldrich</b> Synthrocyte: Synthetic erythrocytes for global influenza surveillance
11:35-11:50	<b>OP - Melike Guler Simsek</b> Simultaneous determination of fluoride, acetate, formate, chloride, nitrate, sulphate in distilled alcoholic beverages with ion chromatography/ conductivity detector	<b>OP - Mamas Prodromidis</b> Portable diagnostic medical devices utilizing free-standing responsive polymer film-based biosensors and low-cost transducers for point-of-care applications		<b>OP - Wei Lung Tseng</b> Lysozyme-templated synthesis of nonblinking and trypsin-resistant gold nanoclusters with an emission peak at 820 nm for in vitro and in vivo imaging	<b>OP - Alaa Eldin Salem</b> Interactions of trivalent metal ions with human telomeric DNA induce the formation of antiparallel G-quadruplex DNA structures: Implications in anticancer treatment
11:50-12:20	Poster Session 2 - (Poster Areas)			Poster Session 2 - (Poster Areas)	



Hall A		Hall B		
Lunch and Vendor Seminars		Lunch and Vendor Seminars		
12:25-13:25	<b>Vladimir Ioffe</b> Gradient elution troubleshooting	<b>Metrohm:</b> <b>Laura Fernandez Llano</b> Combining Spectroscopy & Electrochemistry produces powerful results	<b>SEM:</b> <b>Murat Emrah Mavis</b> LC-MS/MS in the analysis of biomarkers-quantitation of phosphatidylethanol (Peth 16:0/18:1) in DBS samples	
Chairs:		Frantisek SVEC & Sedef KIR		
13:25-14:05	<b>Plenary Lecture</b>	<b>Janusz Pawliszyn</b> Development and application of matrix compatible coatings for clean selective enrichment from complex samples" or "Why smaller is better in extraction?"		
14:05-14:45	<b>Plenary Lecture</b>	<b>Arben Merkoci</b> Graphene-based biosensors		
Hall A	Hall B	Hall C	Hall D	
<b>Session 17</b>	<b>Session 18</b>	<b>Session 19</b>	<b>Session 20</b>	
<b>Separation Science-3</b> (Chairs: Yvan van Der HEYDEN & Vladimir IOFFE)	<b>Biosensors-2</b> (Chairs: Maria PEDRERO & Arunas RAMANAVICIUS)	<b>Microfluidics</b> (Chairs: Ester HEATH & Ugur TAMER)	<b>Bioanalysis-2</b> (Chairs: Osman Yavuz ATAMAN & Jacques CROMMEN)	
14:45-15:15	<b>KNL - Yvan van der Heyden</b> Metabolite profiling or fingerprinting: applications in natural-product research	<b>KNL - Gert Desmet</b> Recent advances in chip-based liquid chromatography	<b>KNL - Ruin Moaddel</b> Ligand fishing and bioaffinity chromatography for natural product screening	
15:15-15:30	<b>OP - Rusudan Kakava</b> Synthesis of some phenothiazine derivatives and study of their enantioseparation in high-performance liquid chromatography	<b>IOP - Mirek Macka</b> Paperfluidic-based instrument-free analysis using high-throughput fabricated length-based detection devices	<b>OP - Sema Demirci Cekic</b> Determination of oxidative damage and antioxidant protection on DNA and protein biomacromolecular probes	
15:30-15:45	<b>OP - Fulvio Ferretti</b> Analytical characterization of meglumine by HPLC/MS	<b>OP-Mustafa Kemal Sezgenturk</b> A biochip based on microfluidic technology: C1-Inhibitor analysis in human serum samples	<b>OP - Wang Hailong</b> Exploring the trace element contents and distribution patterns in single cells using ICP-MS with a high efficiency cell introduction system	
15:45-16:00	<b>OP - Anele Mpupa</b> Determination of hydrocortisone in wastewater by magnetic solid phase extraction based on beta-cyclodextrin decorated magnetic activated carbon material and liquid chromatographic analysis	<b>OP - Maria Ines G S Almeida</b> Total ammonia monitoring in freshwaters using a micro-distillation microfluidic paper-based analytical device	<b>OP - Abuzar Kabir</b> Fabric phase sorptive extraction: novel sample preparation strategy for pharmacokinetics, pharmacodynamics, toxicokinetics, and therapeutic drug monitoring studies directly from whole blood	
16:00-16:15	<b>OP - Marcello Locatelli</b> Simultaneous determination of solar uv filters in three biological fluids by FPSE-HPLC-PDA method	<b>OP - Caglar Elbuken</b> Particle synthesis using droplet based microfluidic systems	<b>OP-Mustafa Celebier</b> Comparison of different sample preparation techniques on human plasma samples for Q-TOF LC/MS based metabolite profiling	
16:15-17:00	Coffee Break - Pitches – Poster Session 2 - (Hall A)		Coffee Break - Pitches – Poster Session 2 - (Hall A)	



	Hall A	Hall B		Hall C	Hall D
	Session 21	Session 22		Session 23	Session 24
	<p><b>Nanosensors</b> (Chairs: Ali A. ENSAFI &amp; David ALSTEENS)</p>	 <p><b>COST-Action, European network for the promotion of portable, affordable and simple analytical platforms: Sample Treatment and Microfluidics</b> (Chair: Elia PSILLAKIS)</p>		<p><b>DCE Meeting: Environmental Analysis</b> (Chairs: Chiara FANALI &amp; Gert DESMET)</p>	<p><b>Molecular Assay</b> (Chairs: Michael MAIWALD &amp; Ruin MOADDEL)</p>
17:00-17:30	<p><b>KNL - Ali A. Ensafi</b> Challenge with recent application of nanomaterials in bioelectrochemistry and electrochemical biosensing</p>	<p><b>OP - Elia Psillakis</b> Introduction to WG4 and the recent developments on the effect of vacuum on headspace (micro)extraction</p> <p><b>OP - Steven Moscrez</b> A comprehensive study on the effect of vacuum of targeted volatile compounds on HS-SPME in a complex matrix: A softer efficient method to profile olive oil aromas</p> <p><b>OP - Marcela A. Segundo</b> Automation and miniaturization of sample treatment using lab-on-valve platforms</p>		<p><b>KNL-Ester Heath</b> Bisphenols in food and the environment</p>	<p><b>KNL-Ugur Tamer</b> Surface-enhanced Raman spectroscopy for the ultrasensitive quantification: metallic nanoparticles versus nanostructured films</p>
17:30-17:45	<p><b>OP - Adina Arvinte</b> Strategies for bimetallic materials electrodeposition with applications for sensitive detection of biomolecules</p>	<p><b>OP - Marília Barreiros Santos</b> Affordable microfluidic chip for the detection of biotoxins inhibiting protein phosphatases</p> <p><b>OP - Eva Baldrich</b> Electrochemical quantitation of malaria infection from whole blood in &lt;20 min by using magnetic beads, poly-HRP and microfluidic paper electrodes</p>		<p><b>OP-Slavica Ražić</b> Spatial distribution of technology critical elements (TCE) in sediments of the Danube river and its tributaries in Republic of Serbia</p>	<p><b>OP-Tatiana Shekhovtsova</b> The universal approaches to the fluorimetric determination of the markers of neuromediator exchange and oxidative stress</p>
17:45-18:00	<p><b>OP - Hasan Bagheri</b> Impedimetric immunosensor based on magnetic graphene nanoribbons modified by boronic acid for sensitive label-free detection of lymphoma cancer cells</p>	<p><b>OP - Nikola Sakač</b> Determination of therapeutic imidazole dipeptides in meat by microchip electrophoresis</p> <p><b>OP - Francisco Pena Pereira</b> Headspace microextraction approaches combined with optical detection systems for determination of environmentally relevant analytes</p>		<p><b>OP-Waleed Alahmad</b> Hollow fiber membrane liquid phase microextraction (HF-LPME) as a powerful and suitable preconcentration technique for paper-based analytical devices: Application for the determination of hexavalent chromium in water samples</p>	<p><b>OP-Ayse Cinkilic</b> Molecular pathways: New approach to investigation cancerous and healthy cells with surface-enhanced Raman scattering</p>
18:00-18:15	<p><b>OP - Guzel Ziyatdinova</b> Novel electrochemical sensors based on the carbon nano- and electropolymerized materials for the simultaneous determination of natural phenolic antioxidants</p>	<p><b>OP - Hasan Kurt</b> Monitoring water quality of a recycled artificial lake using arduino-based open source hardware</p>		<p><b>OP-Lawrence Mzukisi Madikizela</b> Determination of naproxen, diclofenac and ibuprofen in Umgeni estuary and Durban seawater, South Africa</p>	<p><b>OP-Hasan Ilhan</b> Measurements of 6-monoacetylmorphine in body fluids using surface enhanced Raman spectroscopy</p>
18:15-18:30	<p><b>OP - Mustafa Tahsin Guler</b> Sensors of Lab-on-a-Chip</p>			<p><b>OP-Gokhan Sarp</b> Green synthesis of graphene like-MoS<sub>2</sub> modified magnetic carbon dot nanoflowers for magnetic solid phase extraction of ibuprofen prior to HPLC analysis</p>	<p><b>OP-Canan Hocuk</b> In vitro study on the reactions between arsenic and selenium with glutathione</p>
19:30	<p><b>Social Programme:</b> Ministry of Culture and Tourism, Istanbul Historical Turkish Music Ensemble, Whirling Dervishes Venue: Prof. Dr. Cemil Bilsel Conference Hall (Science Faculty)</p>			<p><b>Social Programme:</b> Ministry of Culture and Tourism, Istanbul Historical Turkish Music Ensemble, Whirling Dervishes Venue: Prof. Dr. Cemil Bilsel Conference Hall (Science Faculty)</p>	

	Hall A		Hall A
	Editorial Session: ELSEVIER Biosensors and bioelectronics		(Chairs: A.F.P. TURNER & A. MERKOCI)
09:00-09:30	Editor Anthony F.P. Turner		"Glucose sensors for the management of diabetes"
09:30-10:00	Editor Arben Merkoci		"Paper-based nanobiosensors"
10:00-10:30	Editor Loïc Blum		"A versatile multielectrode platform for drug discovery and enzyme screening"
10:30-11:00	Coffee Break – Poster Session 3 - (Poster Areas)		Coffee Break – Poster Session 3 - (Poster Areas)
11:00-11:30	Editor Aldo Roda		"Smartphone-based biosensors: Present status and perspectives"
11:30-12:00	Editor Jiří Homola		"Plasmonic biosensors: Present and future"
12:00-12:30	Editor Anthony F.P. Turner		"Biosensors & Bioelectronics journal aims, recommendations and statistics"
12:30-12:45	Symposium Photo (Will be announced on the Announcement Board)		Symposium Photo (Will be announced on the Announcement Board)
	Hall A		Hall B
	Lunch and Vendor Seminars		Lunch and Vendor Seminars
12:45-13:30	Waters Rainer Rozenich Analytical method life cycle management		Phenomenex Frédéric Thiebaut Useful approaches to LC and GC method development
	Chairs:		Anna Laura CAPRIOTTI & Janusz PAWLYSZN
13:30-14:10	Plenary Lecture		František Švec Porous polymer monoliths: A universal tool in chromatography
14:10-14:50	Plenary Lecture		Karen Faulds Multiplexed and sensitive bioanalysis using SERS and SESORS

	Hall A	Hall B		Hall C	Hall D
	Session 25	Session 26		Session 27	Session 28
	<b>Pharmaceutical Analysis</b> (Chairs: Jun HAGINAKA & Durisehvar UNAL)	<b>Separation Science-4</b> (Chairs: Kelly ZHANG & Zhengjin JIANG)		<b>Sensors-2</b> (Chairs: Aysegul GOLCU & Loic BLUM)	<b>Sample Preparation &amp; Green Analytical Chemistry-2</b> (Chairs: Valerie PICHON & Serdar ABACI)
14:50-15:20	<b>KNL - Jun Haginaka</b> Preparation and application of molecularly imprinted polymers for warfarin and its substituted derivatives	<b>KNL - Kelly Zhang</b> Recent advances and applications of multidimensional HPLC in drug research and development		<b>KNL - Sergey Shleev</b> Biosupercapacitors	<b>KNL - Valérie Pichon</b> Miniaturized and selective extraction sorbents coupled on-line to nanoLC for the determination of target analytes at the trace level in complex samples
15:20-15:35	<b>OP - Sena Caglar Andac</b> Fully automated on-line analysis of new generation antidiabetics in raw urine samples	<b>KNL - Zhengjin Jiang</b> Preparation and application of zwitterionic hydrophilic stationary phase		<b>OP - Verónica Serafín González Carrato</b> Novel zinc finger protein-based strategies for electrochemical detection of miRNAs	<b>OP - Ana María Casas Ferreira</b> Determination of polyamines and related compounds in biological samples involving non-invasive methods of sample collection via in situ derivatization and microextraction by packed sorbents coupled to GC-MS
15:35-15:50	<b>OP - Esen Bellur Atici</b> Synthesis, analysis and fate studies of impurities in drug substances			<b>OP - Cheng Ju Yu</b> Phosphorylation-mediated sulfhydryl protection/deprotection and its application in screening of alkaline phosphatase activity	<b>OP - Oleg Shpigun</b> Microemulsions in the analysis of geochemical samples
15:50-16:05	<b>OP - Kader Poturcu</b> A study on the retention behavior of some imidazole antimycotic drugs in acetonitrile-water binary mixtures	<b>OP - Vladislav Andreevich Kolotygin</b> In situ preparation of standard mixtures for calibration of gas-analytical equipment using solid-state electrolyzer		<b>OP - Ahmad Farimin Ahmad Osman</b> Electromechanical analysis of polydimethylsiloxane elastomer with silicon oil-titanium dioxide hybrid fillers	<b>OP - Habib Bagheri</b> Amine modified magnetic polystyrene for extraction of drugs with a wide polarity range from urine samples
16:05-16:20	<b>OP - Sophia Barhdadi</b> Development of a sample preparation method for the GC-analysis of e-cigarette refill liquids	<b>OP - Ozgur Arar</b> Modification of biopolymer for the separation of beryllium (Be <sup>2+</sup> ) from aqueous solutions		<b>OP-Sukriye Ulubay Karabiberoglu</b> A sensitive electrochemical sensor for determination of gallic acid based on conducting polymer/multi-walled carbon nanotubes modified electrode	<b>OP - Aleksandra Dimitrijević</b> Controlling of the parthenolide partition using micelle structures of block copolymer in ionic liquid based aqueous biphasic system
16:20-17:00	Coffee Break – <b>Poster Session 3 - (Poster Areas)</b>			Coffee Break – <b>Poster Session 3 - (Poster Areas)</b>	

	Hall A	Hall B		Hall C	Hall D
	<b>Session 29</b>	<b>Session 30</b>		<b>Session 31</b>	<b>Session 32</b>
	<b>Biomarkers</b> (Chairs: Susana Campuzano RUIZ & Alain WALCARIUS)	<b>Food and Natural Products</b> (Chairs: Leticia MORA & Mirek MACKA)		<b>Material Sciences</b> (Chairs: Andre SKIRTACH & Jiri HOMOLA)	<b>Environmental Analysis</b> (Chairs: Raluca-Ioana Stefan-van STADEN & Freddy ADAMS)
17:00-17:15	<b>KNL-Susana Campuzano Ruiz</b> New electroanalytical tools for cancer epigenetics	<b>KNL-Leticia Mora</b> Challenges in the analysis of peptides in foods from animal origin		<b>KNL - Andre Skirtach</b> Instruments for polymeric microcapsules and coatings – get them or make them	<b>IOP - Jacobus(koos)Frederick Van Staden</b> Hightech-based multimode analytical devices/robotic systems for sensitive and selective real-time on-site high-performance process monitoring and control in real case challenges for industries, manufacturers and pollutant areas
17:15-17:30			<b>OP - Michaela Zeiner</b> Metal uptake by Betula pendula (silver birch) grown on contaminated sites		
17:30-17:45	<b>IOP - Raluca-Ioana Stefan-van Staden</b> New trends in molecular recognition of substances of biological importance	<b>IOP - Chiara Fanali</b> Application of deep eutectic solvents for the extraction and analysis of food phenolic compounds		<b>OP - Babatunde Oji</b> Corrosion behaviour of Al-Mg-Si alloy matrix hybrid composite reinforced with cassava peel ash and silicon carbide	<b>OP - Zhongtang Wang</b> Rapid determination of 90Sr in environmental soil: Simple method for large sample
17:45-18:00	<b>OP - Elif Burcu Aydin</b> Label-free electrochemical impedance immunosensor based on pyrrol succinimide ester modified ITO electrode for the detection of prostate cancer biomarker	<b>OP - Asli Erdem Yayayuruk</b> Synthesis, characterization, and application of polycarboxylic acid brushes on PS-DVB microbeads for the determination of lead in aqueous solutions		<b>OP - Sener Saglam</b> Development of gold nanoparticles/poly(carbazole-aniline) film-modified glassy carbon sensor electrodes imprinted for molecular recognition of RDX and HMX energetic materials	<b>OP - Melek Gucoglu</b> 2-(2'-Hydroxyphenyl)benzothiazole-functionalized silica for removal of Pb(II), Cu(II) and Ni(II) ions from water samples
18:00-18:15	<b>OP - Raquel Beatriz Ribeiro Mesquita</b> Biomarkers monitoring with specially-designed microfluidic paper-based devices as disposable, on-hand, real-time analysis	<b>OP - Ismail Emir Akyildiz</b> Unravelling the sugar syrup adulteration via HILIC-UPLC/MS method – enhanced confidence at honey authenticity monitoring using novel marker		<b>OP - Oguz Bayindir</b> Synthesis of supramolecules of phenothiazine derivative dyestuffs with metal salts	<b>OP - Oltan Canli</b> Determination of 117 endocrine disruptors (EDCs) in water by using SBSE TD – GC-MS/MS under the European Water Framework Directive
18:15-18:30	<b>OP - Anatoly V Zherdev</b> Immunochemical assays of protein biomarkers for authenticity and composition control of meat and dairy foodstuffs	<b>OP - Wenting Bu</b> Determination of 135Cs/137Cs isotopic ratio by TIMS with application to Fukushima marine sediment samples		<b>OP - Gokhan Sarp</b> Flower-like Fe <sub>3</sub> O <sub>4</sub> /GO/CdSe nanodot hybrid material for highly efficient magnetic solid phase extraction of ibuprofen prior to HPLC-UV detection	<b>OP - Mpingana Ndilimeke Akawa</b> Magnetic solid phase microextraction combined with HPLC-DAD for the determination of selected pharmaceutically active compounds in environmental samples
19:30	<b>GALA DINNER ON BOAT</b> (Transfer Point will be announced on the Announcement Board)			<b>GALA DINNER ON BOAT</b> (Transfer Point will be announced on the Announcement Board)	

	Hall A		Hall A
	Chairs		Karen FAULDS & Lutgarde BUYDENS
08:30-09:10	Plenary Lecture		Bezhn Chankvetadze Recent developments in enantioselective analysis of chiral compounds
09:10-09:50	Plenary Lecture		Anna Laura Capriotti Analytical Challenges in separation, enrichment and identification of peptides and amino acids: A piece in the puzzle of the bioactivity of protein derivative - <i>EuChemS Lecture Award</i>
09:50-10:15	Coffee Break		Coffee Break







	Hall A	Hall B		Hall C	Hall D	Hall E
	Young Scientist Oral Presentation - I <b>Seperation Science</b> (Sponsored by Amgen)	Young Scientist Oral Presentation - II <b>Pharmaceutical &amp; Chemical Analysis</b> (Sponsored by Amgen)		Young Scientist Oral Presentation - III <b>Material Science &amp; Surface Technology</b> (Sponsored by Elsevier)	Young Scientist Oral Presentation - IV <b>Biosensor &amp; Biomedical Analysis</b> (Sponsored by Elsevier)	Young Scientist Oral Presentation - V <b>Food &amp; Environmental Analysis</b> (Sponsored by Elsevier)
10:15-10:25	<b>OP-Sara Albe Slabi</b> A new SE-HPLC method for simultaneous quantification of proteins and main phenolic compounds from sunflower meal extract	<b>OP-Andrey Shishov</b> New applications deep eutectic solvents in chemical analysis		<b>OP-Cansu Zeliha Canbek Ozdil</b> In-situ STEM analysis of gold nanoparticles to understand nu-creation and crystal growth	<b>OP-Claudio Parolo</b> Expanding the capabilities of wash-free, electrochemical DNA switches for the detection of diagnostic antibodies in authentic human samples	<b>OP-Zeynep Kalaycioglu</b> Propolis and its active component, caffeic acid phenethyl ester (CAPE): correlation between CAPE contents and TNF- $\alpha$ enzyme inhibitory activities
10:25-10:35	<b>OP-Olivier Mortel�i</b> Optimization of an <i>in vitro</i> gut microbiome biotransformation platform with chlorogenic acid as model compound: From fecal sample to biotransformation product identification	<b>OP-Tutku Beduk</b> Fully inkjet-printed hydrazine sensor based on ZnO nanoparticles-modified PEDOT:PSS electrode on paper		<b>OP-Pauline Murat</b> Container-content interactions study in the cosmetic industry: Chemical and toxicological approach	<b>OP-Merve Eryilmaz</b> An insight into the detection of group A <i>Streptococcus pyogenes</i> with SERS-based assays	<b>OP-Abdullah Memon</b> Preparation of hydrothermal carbon from indigenous waste and its applications in water purification
10:35-10:45	<b>OP-Irina Timofeeva</b> Headspace solid-phase microextraction using magnetic nanoparticles	<b>OP-Donay Yuvali</b> Solid phase microextraction of ibuprophen in human plasma with a new magnetic carbon dot/graphene oxide hybrid (Fe <sub>3</sub> O <sub>4</sub> @ND@GO) material by HPLC-UV		<b>OP-Eva-Maria Kirchner</b> Electrochemical sensors based on 2D carbon materials: Impact of the fabrication method on the performance	<b>OP-Ruxandra Maria Ilie Mihai</b> Molecular recognition of p53, CEA, CA19-9 in whole blood	<b>OP-Xuepeng Shao</b> High-precision 143Nd/144Nd ratios of trace Nd by thermal ionization mass spectrometry for nuclear forensics

	Hall A	Hall B		Hall C	Hall D	Hall E
10:45-10:55	<b>OP-Amira Al Matari</b> Identification and semi-quantification of glycoforms by nano-LC-Orbitrap-MS analysis of intact proteins: application to the $\alpha$ - subunit of follicular stimulating hormone and human chorionic gonadotropin	<b>OP-Dervis Turkmen</b> Corrosion detection on diamond-like carbon coated waveguides using iron sensitive dyes		<b>OP-Ana M.O. Azevedo</b> GUMBOS and nanoGUMBOS: synthesis and sensing applications for protein analyses	<b>OP-Fulden Ulucan</b> A biosensor study based on polymeric nanomaterial as biologically active layer for detection of MUC1 in cancer diagnosis/prognosis and follow-up	<b>OP-Tim Boogaerts</b> Development and validation of a bioanalytical assay to detect biomarkers for antidepressant use in influent wastewater
10:55-11:05	<b>OP-Florine Hallez</b> Development of an immobilized-trypsin reactor coupled to liquid chromatography and tandem mass spectrometry (LC-MS/MS) for the analysis of long-lived adducts of sulfur mustard with hemoglobin in blood samples	<b>OP-Mourad Kharbach</b> Fusion strategy of Raman, NIR, MIR and SIFT-MS data to quantify extra virgin argan oil adulteration		<b>OP-Sara S. Marques</b> Exploiting ultrafiltration for purification and characterization of drug-nanocarriers	<b>OP-Hulya Yilmaz</b> A Surface-enhanced Raman scattering- thin layer chromatography approach for early cancer detection from blood samples	<b>OP-Sandeep G Surya</b> Graphene oxide and vanadium oxide devices as capacitive sensors for soil moisture: Its temperature effects and measurement study
11:05-11:15	<b>OP-Andrey M Zybinsky</b> A chemometric approach for resolving comprehensive spectral interferences in ICP-AES for complex matrices. As an application for REEs determination in Niobium-Rare-Earth Ores	<b>OP-Mohammed Alaoui Mansouri</b> Comparative study of the quantitative performances of conventional and SORS handheld Raman spectrophotometers		<b>OP-Veselina Adimcllar</b> Preparation and comparison of electrospun matrice and hydrogel based controlled release systems for chemotherapeutic agent epirubicin and metal complexes	<b>OP-Vuslat Buk</b> Microfabricated gold array electrodes modified by nanomaterials for highly sensitive electrochemical applications	<b>OP-Carina Dettenrieder</b> Detecting multiple volatile organic contaminants in water using a diamond-like carbon coated waveguide
11:15-11:30	Coffee Break			Coffee Break		
11:30-11:40	<b>OP-Daria Filatova</b> UHPLC-HRMS/MS method for determination of multi-class cyanotoxins in freshwater	<b>OP-Augustin Mot</b> Probing natural phenolic compounds by EPR spectroscopy – a prooxidant assay		<b>OP-Sarah Pereira</b> Automatic methodologies to perform loading and release assays of anticancer drugs from mesoporous silicon nanoparticles	<b>OP-Eloise Bihar</b> An all inkjet-printed glucose sensor on paper	<b>OP-Tahir Muhmood</b> Spherical graphitic carbon nitride Nano-composite with Ag <sub>2</sub> ZrO <sub>3</sub> for photodegradation of herbicide MTSM
11:40-11:50	<b>OP-Massimo Picardo</b> Application of a new method for the suspect screening of natural toxins in surface water reservoirs	<b>OP-Funda Kus</b> Investigation of the interaction mechanism of volatile organic compounds with Phthalocyanine derivatives via Raman spectroscopy and SAW-based sensors		<b>OP-Melike Saricam</b> A new therapeutic agent for lung cancer: AuNP-CRGD conjugates	<b>OP-Zhugen Yang</b> Low-cost paper-origami device for rapid microbial analysis in low resource settings	<b>OP-Baris Guzel</b> Validation study of the developed method for the simultaneous determination of some important aliphatic hydrocarbons in wastewater samples










	Hall A	Hall B		Hall C	Hall D	Hall E
11:50-12:00	<b>OP-Cheng Kang Chiang</b> Utilize 3-mercaptopropionic acid modified HgSe nanomaterials for surface-assisted laser desorption/ionization mass spectrometric analysis of biomolecule and synthetic polymer	<b>OP-Gizem Gulsoy Toplan</b> Chemical composition and cytotoxic activity of colchicum cilicicum from Turkey		<b>OP-Abdellatif Ait Lahcen</b> Novel and rapid strategy for the synthesis of decorated nanostructured magnetic molecularly imprinted polymers using an ultrasound probe	<b>OP-Cansu Ilke Kuru</b> Advanced fabrication of miRNA based electrochemical nanobiosensor for diagnosis of breast cancer	<b>OP-Amine Gizem Canli</b> Decanoic acid functionalized magnetic particles for sensitive determination of propoxur and fenitrothion residues in environmental samples
12:00-12:10	<b>OP-Baris Gun Surmeli</b> Beverage classification using Linear Discriminant Analysis with covariance matrix shrinkage	<b>OP-Pelin Senel</b> The dsDNA binding studies of novel flavonoid derivatives via sequential sulfation of apigenin		<b>OP-George Peter Szekeres</b> The protein corona composition sheds light on the fate of intracellular gold nanoparticles	<b>OP-Cagri Ceylan Kocak</b> Voltammetric determination of levofloxacin at poly(L-arginine) film electrode	<b>OP-Mereke Alimzhanova</b> Determination of volatile compounds in tea using vacuum-assisted headspace solid-phase microextraction
12:10-12:20	<b>OP-Cemil Can Eylem</b> 18O labeling ratio of adenosinetriphosphate at different positions by LC-qTOF-MS	<b>OP-Rafaela Cristina De Carvalho</b> Electroanalysis of pharmaceutical compounds		<b>OP-Efe Baturhan Orman</b> Electrochemical, spectroelectrochemical and electrocatalytic properties of new peripherally 2-naphtol substituted metal-free and metallophthalocyanines compounds	<b>OP-Burcak Demirbakan</b> Design of an electrochemical biosensor system for Suppression of Tumorigenicity 2 detection based on fullerene C60 modified disposable graphite paper electrode	<b>OP-Suzan El Akaad</b> Capacitive electrochemical sensor for detection of imidacloprid using molecular imprinted polymers
12:20-12:30	<b>OP-Shakiba Zeinali</b> Generic extraction medium: From highly polar to non-polar simultaneous determination	<b>OP-Nagore Grijalba</b> Renal localization and quantification of uranium in rodent exposed to uranyl nitrate by LA-ICP-MS		<b>OP-Fatah Hella</b> Local surface investigation of the electrochemical behaviour of an AISI 316Ti stainless austenitic steel, pre-heated and cold rolled	<b>OP-Ece Eksin</b> Label-free electrochemical detection of microRNA by graphene oxide modified disposable electrodes	<b>OP-Nergiz Kanmaz</b> Nanoparticle-based ferricyanide/prussian blue assay for determination of total antioxidant capacity
12:30-13:45	Lunch			Lunch		
	<b>Chair:</b>			<b>Slavica RAZIC</b>		
13:45-14:25	<b>Plenary Lecture</b>			<b>Freddy Adams</b> The Metamorphosis of Analytical Chemistry: chemical analysis in the 21 <sup>st</sup> century <i>DAC-EuChemS Award</i> (Sponsored by SPRINGER)		
14:25-15:05	Awards and Closing Ceremony:			Sibel A. OZKAN, Chair		



Poster Pitches - Monday, September 2<sup>nd</sup>, 2019

PP	Ref	Group	Presenter	Title
PP 1-1 	450	<i>Surface Science</i>	Selva Bilge	Gallic acid and ammonium fluoride functionalized TiO <sub>2</sub> nanoparticles
PP 1-2 	297	<i>Analytical Methods for Cultural Heritage and Art</i>	Monika Cechova	The application of LDI-MS and XPS techniques for the study of archaeological findings
PP 1-3 	631	<i>Analytical Methods for Cultural Heritage and Art</i>	Nkositile Raphael Biata	Recovery of gold and iridium using magnetic layered double hydroxide (Fe <sub>3</sub> O <sub>4</sub> /Mg-Al-LDH) nanocomposite prior their inductively coupled plasma spectrometric (ICP-OES) determination: Equilibrium studies and application to environmental samples
PP 1-4 	537	<i>Nano Analysis</i>	Fatma Mamatioglu	Determination of ammonium dinitramide in explosive mixture with gold nanoparticle-based colorimetric sensor
PP 1-5 	452	<i>Nano Analysis</i>	Sariye Irem Kaya	Highly sensitive carbon-based nanohybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan)
PP 1-6 	191	<i>Pesticide-Residue Analysis</i>	Anna Ivanova	Determination of pyrethroids in impregnated fabric
PP 1-7 	483	<i>Pesticide-Residue Analysis</i>	Gulce Zorlu	Application of a validated LC-MS/MS method for detection and quantification of 511 pesticides in fruit & vegetables
PP 1-8 	93	<i>Clinical Chemistry</i>	Cristina Stefanov	Electrochemical determination of monobenzyl-phthalate in biological samples
PP 1-9 	101	<i>Clinical Chemistry</i>	Jeongwoo Kang	Rapid detection of β-lactam antimicrobial resistance in patient's body by spectrometry
PP 1-10 	228	<i>Environmental Analysis and Monitoring</i>	Abuzar Kabir	Capsule phase microextraction: A field deployable complete sample preparation solution for modern high throughput analytical laboratories
PP 1-11 	216	<i>Environmental Analysis and Monitoring</i>	Amina Benaissa	Environmental risk assessment of dental amalgam
PP 1-12 	77	<i>Biomolecular Analysis</i>	Damaris Cristina Gheorghe	Fast screening of bladder cancer biomarkers using stochastic sensors

Poster Pitches - Monday, September 2<sup>nd</sup>, 2019

PP	Ref	Group	Presenter	Title
PP 1-13 	242	<i>Environmental Analysis and Monitoring</i>	Ibtissem Bouras	Assessments of industrial and environmental risks by the sensors of gas
PP 1-14 	320	<i>Environmental Analysis and Monitoring</i>	Malika Khelfaoui	Fate and impacts of heavy metals pollution near the abandoned Sidi Kamber Zn/Pb mine, north-east ALGERIA
PP 1-15 	244	<i>Environmental Analysis and Monitoring</i>	Marine Boudias	Potential of ion-imprinted polymers for studying migration of radioactive contaminants (226Ra, 137Cs) in environment
PP 1-17 	457	<i>Food Analysis</i>	Tetiana Hubetska	Optimization of QuEChERS procedure by hydrophobic magnetic nanocomposites for residual OCPs determination coupled with GC-MS
PP 1-19 	135	<i>Green Analytical Chemistry</i>	Berka Baya Zougali	Comparison of the chemical composition and biological activities of essential oils obtained by classical steam distillation and instant controlled pressure drop and ultrasound assisted extraction from myrtle leaves growing spontaneously in algeria
PP 1-20 	407	<i>Green Analytical Chemistry</i>	Boutheyna Aoufi	Performance of nanofiltration in lanthanum extraction process optimization
PP 1-21 	68	<i>Green Analytical Chemistry</i>	Farid Benkaci Ali	Head space solide phase micro-extraction GC-MS of volatiles of honeys from different regions, bio-indicators of air and soil pollution
PP 1-22 	139	<i>Green Analytical Chemistry</i>	Hassani Aicha Ali Bey	Phytochemical study, estimation of both flavonoids and hydrolysable tannins contents and determination of the lethal dose 50 "ld50" of cistus monspeliensis
PP 1-23 	591	<i>Green Analytical Chemistry</i>	Rahmouna Semmoud	An efficient cloud point extraction using an ionic liquid as extractant: separation of the Blue Bemacid dye from aqueous solution in saline medium and optimization through factorial design methodology
PP 1-24 	485	<i>Green Analytical Chemistry</i>	Yasmine Benmansour	Uranyl (II) removal by lewatis TP 214 resin
PP 1-25 	219	<i>Materials Science</i>	Benyahia Azzedine	The effect of the alkaline treatment time on the mechanical properties of a composite material based on an inorganic matrix reinforced with vegetal fibers
PP 1-26 	225	<i>Materials Science</i>	Sardi Amina	DLS study of a pickering miniemulsion using algerian montmorillonite

PP	Ref	Group	Presenter	Title
PP 1-27	222	Materials Science	Deghfel Nadir	Removal capacity and adsorption mechanism of a clay, bentonite and pomegranate bark for a textile dye
PP 1-28	644	Materials Science	Derya Kilic	2-Froyl thiourea modified layered double hydroxides for eco-friendly, effective and efficient removal of cadmium ions from aqueous environment
PP 1-29	645	Materials Science	Derya Kilic	Synthesis, characterization and application benzoyl thiourea modified layered double hydroxides for removal of cadmium ions from aqueous environment
PP 1-30	128	Materials Science	Farida Kellou Kerkouche	Corrosion inhibition effect of phenanthroline on cast iron in HCl solution
PP 1-31	638	Materials Science	Haissi Sofiane	The thermal and mechanical properties of tiane in some medical preparation
PP 1-32	633	Materials Science	Hatice Caglar Yilmaz	Preparation and characterization of Co doped TiO <sub>2</sub> for efficient photocatalytic degradation of Ibuprofen
PP 1-33	253	Materials Science	Noura Naili	Electronic structure and energy decomposition of platinum mononuclear materials coordinated with CN-tBu ligand
PP 1-34	12	Materials Science	Zahira Mohamed Seghir	Isomerization of n-butane on promoted tungstated zirconia
PP 1-37	475	Chemical Analysis	Reyhaneh Mohammadzadeh Barazandeh	The influence of sodium lignosulphonate (SLS), a green dispersant on the color intensity of carbon black (CB) used in cosmetics
PP 1-38	528	Chemical Analysis	Seda Uzunboy	Determination of oxidative DNA damage generated by different fenton systems and investigation of protective effects of selected antioxidants
PP 1-39	247	Chemical Analysis	Vasiliy Vadimovich Tatarinov	Comparison of 2D and 3D Monte Carlo models to construct the x-ray distribution function in the sample
PP 1-40	547	Chemical Analysis	Zainab Majid Salim Al Lami	Determination of possible oxidative effects of biologically important iron compounds

PP	Ref	Group	Presenter	Title
P 1-41	35	Environmental Analysis and Monitoring	Abdul Hadi Bu Olayan	Mercury concentrations in incenses: A potential bioindicator to human health
P 1-42	39	Environmental Analysis and Monitoring	Habiba Haddad	Hydrochemical characteristics and application of PCA to waters of the bouira watershed (North of Algeria)
P 1-43	85	Environmental Analysis and Monitoring	Raluca-Ioana Stefan-van Staden	Fast screening test for the assay of antibiotics in water
P 1-44	100	Environmental Analysis and Monitoring	Saima Memon	Design of experiment for removal optimization of phenol, 2-chlorophenol and 2, 4-dichlorophenol using a newly synthesized schiff's base polymer
P 1-45	117	Environmental Analysis and Monitoring	Francisco Pena Pereira	Paper-based analytical device for non-instrumental detection of volatiles: Application to arsenic speciation in waters
P 1-46	177	Environmental Analysis and Monitoring	Pablo Valiente Gonzalez	Using the Rasch model to estimate atmospheric pollution in different locations in Extremadura (Spain)
P 1-47	182	Environmental Analysis and Monitoring	Ouardia Yahiaoui	Treatment of water contaminated by metribuzin by coupling the electrocoagulation to advanced ultraviolet oxidation process
P 1-48	205	Environmental Analysis and Monitoring	Daniel Arismendi	Multiclass determination of emerging contaminants by rotating-disk sorptive extraction (RDSE) and gas chromatography coupled to mass spectrometry (GC-MS)
P 1-49	213	Environmental Analysis and Monitoring	Hector Goicoechea	Chemometric applications to study the occurrence, ecological risk and bioaccumulation of emerging contaminants in Argentina
P 1-50	259	Environmental Analysis and Monitoring	Victor Chubarov	X-ray fluorescence analysis of peat sediments for paleoecological investigations
P 1-51	260	Environmental Analysis and Monitoring	Victor Chubarov	X-ray fluorescence determination of ore elements in ferromanganese nodules
P 1-52	268	Environmental Analysis and Monitoring	Farid Metref	Efficient facilitated transport of lead and cadmium across a plasticized cellulose triacetate and polymer membranes mediated by crown-ethers
P 1-53	277	Environmental Analysis and Monitoring	Cristiana Radulescu	Indoor/outdoor particulate matter concentration and their relationship to meteorological conditions in rehabilitated historical monuments













PP	Ref	Group	Presenter	Title
P 1-54	331	<i>Environmental Analysis and Monitoring</i>	Eduardo Méndez	Electrochemical and infrared analyses of lead in paints: a high impact control in homes
P 1-55	336	<i>Environmental Analysis and Monitoring</i>	Ferdi Ozan	The effect of organic carbon existence on As, Mo and Se distribution between sediment and water phases
P 1-56	357	<i>Environmental Analysis and Monitoring</i>	Chellal Khalida	Phenol oxidation over iron pillared clays
P 1-57	375	<i>Environmental Analysis and Monitoring</i>	Ounissa Senhadji Kebiche	Micro-channel cell for the selective extraction and analysis of ionic metals using plasticized polymeric membranes
P 1-58	431	<i>Environmental Analysis and Monitoring</i>	Clarisse Vasconcellos Serra	Human exposure to mercury in the Amazon, Brazil: Cross-sectional environmental health study
P 1-59	508	<i>Environmental Analysis and Monitoring</i>	Carmen Quintana	Stout fluorescence enhancement of fungicide thiabendazole by interaction with transition metal dichalcogenides nanosheets: from in silico experiments to highly specific sensing
P 1-60	523	<i>Environmental Analysis and Monitoring</i>	Alessandra Cincinelli	Determination of legacy and emerging organic contaminants in top predators and their prey to improve chemical management
P 1-61	643	<i>Environmental Analysis and Monitoring</i>	Fatma Hassaine Sadi	Facilitated transport of toxic metals by membranaire process liquid membrane non supported containing different carriers
P 1-62	653	<i>Environmental Analysis and Monitoring</i>	Emma Brennan	Preconcentration and determination of diclofenac in aqueous samples with molecularly imprinted solid phase extraction
P 1-63	655	<i>Environmental Analysis and Monitoring</i>	Ivana H. Šrámková	3D-printed stirring cage for semi-dispersive fiber sorbent extraction of bisphenols
P 1-64	660	<i>Environmental Analysis and Monitoring</i>	Burkhard Horstkotte	Lab-In-Syringe automation of flow-through dispersive liquid-liquid microextraction integrating dispersive backextraction and simplified multivariate spectrum analysis with background modeling for the determination of nitrophenols in environmental wa
P 1-65	674	<i>Environmental Analysis and Monitoring</i>	Ander Chapartegui Arias	Covalently fluorophore functionalized ZIF-8 colloidal particles as a sensing platform for endocrine disrupting chemicals such as phthalates plasticizers

PP	Ref	Group	Presenter	Title
P 1-66	71	<i>Food Analysis</i>	Teresa Galeano Díaz	Usefulness of total fluorescence signal combined with PARAFAC to evaluate hydrophylic antioxidants in tomato paste
P 1-67	107	<i>Food Analysis</i>	Pavel Jáč	Development of micellar electrokinetic chromatography-mass spectrometry method for the determination of sudan dyes in chilli products
P 1-68	129	<i>Food Analysis</i>	Aida Zuberovic Muratovic	A single laboratory validation of a multimethod for analysis of paralytic and tetrodotoxin shellfish poisoning toxins (PSP and TSP) in bivalve molluscs using ultra high-performance liquid chromatography tandem mass spectrometry
P 1-69	131	<i>Food Analysis</i>	Isil Gazioglu	Determination of polycyclic aromatic hydrocarbons in nutritional supplements containing omega-3 fish oil using solid phase extraction and high pressure liquid chromatography method
P 1-70	171	<i>Food Analysis</i>	Ismail Emir Akyildiz	Breakthrough determination and quantification of wax-moth and bee repellents using GC-MS
P 1-71	176	<i>Food Analysis</i>	Catalina Negut	Fluorimetric determination of $\beta$ -carotene in food samples using a fluorescence dye
P 1-72	211	<i>Food Analysis</i>	Viacheslav I Vershinin	Determination of phenolic antioxidants sum content in the foodstuff with improved FRAP assay
P 1-73	308	<i>Food Analysis</i>	Michaela Zeiner	Influence of salinity on biometal content in collard greens
P 1-74	309	<i>Food Analysis</i>	Hanneli Du Plessis	A simple extraction method for arsenic from tuna fish using a choline chloride-malonic acid deep eutectic solvent for determination of total arsenic
P 1-75	326	<i>Food Analysis</i>	José António Maia Rodrigues	A GDME-HPLC-UV/MS evaluation of the SO <sub>2</sub> influence on the carbonyl compounds content of wines
P 1-76	360	<i>Food Analysis</i>	Ilyoung Ahn	Determination of florfenicol residues of fishery products in South Korea regional markets using UPLC-MS/MS
P 1-77	385	<i>Food Analysis</i>	Veronika Georgieva Ivanova	Quantification of total mercury in biota samples: Comparison of different analytical techniques
P 1-78	395	<i>Food Analysis</i>	Marcello Locatelli	Thallium, a polluting metal of new generation: Its voltammetric determination in herbal medicines












PP	Ref	Group	Presenter	Title
P 1-79	404	Food Analysis	Selen Durmazel	Silver mirror reaction-assisted nanocolorimetric assay for measuring reducing sugars in food extracts
P 1-80	427	Food Analysis	Antonio Ruiz Medina	Novel luminescent methods based on terbium-nanoparticles systems: selective determination of L-cysteine
P 1-81	496	Food Analysis	Cristian Eduardo Rogel Castillo	Chemical characterization of sweet chestnut ( <i>Castanea sativa mill.</i> ) Shells for the identification of active compounds with antioxidant activity
P 1-82	499	Food Analysis	Gisela Rios	Chemical characterization of honey ( <i>Apis mellifera l.</i> ) For the identification of sugars by HPTLC
P 1-83	500	Food Analysis	Beáta Bóka	Development of a novel bioanalytical method for invertase activity measurement in honey samples
P 1-84	505	Food Analysis	Beáta Bóka	Extractability of Northern Hungarian Horsemint ( <i>Mentha longifolia (L.) L.</i> ) as a potential source of preservative antioxidants
P 1-85	509	Food Analysis	Elena Casero	Electrochemical sensor based on diamond nanoparticles and WS2 for simultaneous azo colorants determination
P 1-86	511	Food Analysis	Birsen Ozturk	Development of a new method for total anthocyanin of cerasus L. (Rosaceae) samples by fiber optic reflection spectroscopy
P 1-87	512	Food Analysis	Maria Dolores Petit Domínguez	Electrochemical and physical synthesis of copper nanoparticles. Application to the development of sulfite chemical sensor
P 1-88	527	Food Analysis	Ziya Can	Determination of scavenging activity of some thiol-type antioxidants for nitric oxide radical with the aid of modified gold nanoparticles
P 1-89	531	Food Analysis	Kazhybek Ashimuly	Determination of semi-volatile additives in wines by vacuum-assisted headspace solid-phase microextraction method
P 1-90	542	Food Analysis	María Isabel Acedo Valenzuela	Determination of biogenic amines and precursor amino acids in sparkling wines obtained from different yeasts and strains
P 1-91	666	Food Analysis	Ece Kok Yetimoglu	Determination of furosine concentrations at royal jelly samples using ion exchange separation coupled with UV detection

PP	Ref	Group	Presenter	Title
P 1-92	671	Food Analysis	Saliha Esin Celik	A novel screening method for argan oil authenticity: An on-line HPLC assay with post-column detection utilizing chemometric multi-data analysis
P 1-93	123	Forensic Science	Aykut Kul	Determination of pethidine of abuse and revalant metabolite norpethidine in urine by ultra-performance liquid chromatography tandem mass spectrometry
P 1-94	124	Forensic Science	Aykut Kul	Determination of buprenorphine and norbuprenorphine in human urine by ultra-performance liquid chromatography-tandem mass spectrometry
P 1-95	453	Forensic Science	Maria Kuhtinskaja	Analysis of drug abuse in oral fluid using high performance liquid chromatography with native fluorescence detection
P 1-96	81	Analytical Methods for Cultural Heritage and Art	Pisutti Dararutana	Characterization on ancient Thai glass beads from Khlong Thom archaeological site
P 1-97	706	Biomedical Analysis	Nefise Akcelik	Application of bacteriocin nisin and certain disinfectant combinations to inhibit and eradication of <i>Enterococcus faecalis</i> biofilms
P 1-98	709	Biomedical Analysis	Nefise Akcelik	Biofilm-related genes regulated By MarT in Salmonella Typhimurium
P 1-99	673	Food Analysis	Mustafa Bener	A simple determination of sulfite in food extracts using a solid sensor
P 1-100	305	Chemical Analysis	Oana Elena Rachita	Electrochemical study of piperine and comparison to reference antioxidants
P 1-101	293	Forensic Science	Maria Kulp	Rapid and sensitive capillary electrophoresis method for the analysis of ecstasy in an oral fluid

Poster Pitches - Tuesday, September 3<sup>rd</sup>, 2019

PP	Ref	Group	Presenter	Title
PP 2-1 	75	Biomedical Analysis	Ioana Popa Tudor	Stochastic microsensors for the assay of IL-1 $\beta$ , IL-6, IL-12, and IL-17 from whole blood
PP 2-2 	698	Biomedical Analysis	Kyeung Ran Min	Chromatographic determination of abnormal sphingolipids by fumonisin B1 in LLC-PK1 cells
PP 2-3 	420	Biomedical Analysis	Yang Ching Yuan	Antibacterial study of <i>Acinetobacter baumannii</i> using blue light assisted graphene nanoparticles
PP 2-4 	78	Biomolecular Analysis	Alexandrina Lungu Moscalu	Detection of sweeteners in biological fluids and food samples using stochastic sensors
PP 2-5 	147	Biomolecular Analysis	Hacene Meghezzi	Theoretical study using the analysis of HOMO-LUMO energy gap, NBO method and QSAR methods for the drug design in the serie of pyrazolooxazine systems
PP 2-6 	86	Biomolecular Analysis	Zainelabdeen H Mohamed	Probing the activity of sphingomyelinases by fluorescence resonance energy transfer (FRET)
PP 2-7 	248	Biosensors	Giulia Selvolini	Aflatoxin B1 detection by means of an electrochemical enzyme-linked oligonucleotide array
PP 2-8 	249	Biosensors	Giulia Selvolini	Neurotransmitters detection through a conducting polymer-metal nanoparticles nanocomposite platform
PP 2-9 	449	Biosensors	Inci Uludag	3-cyanopropyltrimethoxysilane based electrochemical immunosensor system: Highly sensitive analysis of Parathyroid hormone
PP 2-10 	130	Biosensors	João Carlos Carlos De Souza	A keratin-electrochemical biosensor for in situ evaluation of human keratin interaction with hair dye precursor p-toluenediamine
PP 2-11 	337	Biosensors	Mariagrazia Lettieri	Colorimetric multienzymatic smart sensors for hydrogen peroxide, glucose and catechol screening analysis
P 2-12	151	Biosensors	Muhammed Altun	Preparation and electrochemical characterization of label-free CA125 biosensor on screen-printed electrode modified with nanoparticles and conducting polymers
PP 2-13 	462	Biosensors	Nur Tarimeri	An ultrasensitive electrochemical immunosensor system based on Au-polythionin for early detection of heat shock protein 70

Poster Pitches - Tuesday, September 3<sup>rd</sup>, 2019




PP	Ref	Group	Presenter	Title
PP 2-14 	416	Biosensors	Selva Bilge	A new sensor material from cigarette butt for the sensitive determination of antihypertensive drug trandolapril
PP 2-15 	604	Biosensors	Shengfeng Huang	Novel poly adenine sequence as anti-fouling layer coupled with CD-20 epitope mimic peptide for rituximab detection in serum
PP 2-16 	234	Biosensors	Tatiana Svalova	A voltammetric label-free immunosensor featuring anti-CEA antibody covalent immobilization via electrografted triazoldiazonium salt and EDC/NHS chemistry
PP 2-18 	158	Biosensors	Waheed Saban	Synthesis of copper oxide impregnated in graphite as electrochemical sensor
PP 2-19 	704	Biosensors	Leyla Karadurmus	A novel electrochemical nanobiosensor based on NH <sub>2</sub> fMWCNTs modified glassy carbon electrode for detection of interaction between Gemcitabine and DNA
PP 2-20 	258	Chemometrics	Camila Yarizell Bastidas	Study of the penetration and distributional homogeneity of florfenicol added by surface-coating to salmon feed with FTIR imaging, PLS-DA and macropixel analysis-homogeneity curves
PP 2-21 	275	Chemometrics	Ilja Burdman	A D-optimal response surface model approach to identify best suitable digestion condition for active renin determination by LC-MS
PP 2-22 	417	Chemometrics	Mario Ignacio Sanhueza	Confocal Laser-Scanning Microscopy (CLSM) as a novel tool for the analysis of solid pharmaceutical tablets with the presence of fluorescent compounds
PP 2-23 	330	Chemometrics	Mourad Kharbach	Phenolic fingerprinting using two platform techniques UPLC-DAD and UPLC-TOF/MS for geographic traceability of Moroccan Argan oils
PP 2-24 	45	Metabolomics	Atakan Arda Nalbant	Development of non-invasive and biocompatible thin film micro-extraction contact lens-type devices compatible for in vivo metabolomics investigations from eye surface
PP 2-25 	534	Metabolomics	Szymon Macioszek	Sample preparation method for metabolomic analysis of hydrophilic and lipophilic compounds in gastrointestinal stromal tumour



Poster Pitches - Tuesday, September 3<sup>rd</sup>, 2019

PP	Ref	Group	Presenter	Title
PP 2-26 	207	Pharmaceutical Analysis	Anastasia Ivanova	Chugaev's heritage: color reaction-based hand treatment proof system
PP 2-27 	201	Pharmaceutical Analysis	Anastasia Ivanova	Simultaneous determination of cationic surfactants in disinfectants
PP 2-28 	584	Pharmaceutical Analysis	Aysun Geven	Development of a new method for quantitative determination of lesinurad with hplc in the presence of its degradation products
PP 2-29 	414	Pharmaceutical Analysis	Bilge Surucu	Development of analytical method for sensitive determination of antibiotic residues in milk samples
PP 2-30 	455	Pharmaceutical Analysis	Bounoua Nadia	Effect of different concentration of heptakis (2, 3, 6 tris-O-methyl)- $\beta$ -CD in the separation of some imidazoles
PP 2-31 	649	Pharmaceutical Analysis	Chelghoum Rachid Chabane	Monitoring and validation of toltrazuril in oral solution by HPLC
PP 2-32 	355	Pharmaceutical Analysis	Demet Dincel	A high performance liquid chromatography method for the determination of meropenem in serum
PP 2-33 	517	Pharmaceutical Analysis	Gokce Ozturk	Voltammetric analysis of guaifenesin with boron doped diamond electrode and its determination from pharmaceutical dosage form
PP 2-35 	524	Pharmaceutical Analysis	Sinem Demir	Investigation of cefotaxime sodium and its metal complexes for controlled drug release
PP 2-36 	634	Pharmaceutical Analysis	Vazha Nebieridze	Secondary metabolites of Tribulus terrestris growing in Georgia
PP 2-37 	699	Pharmaceutical Analysis	Min Kyeong Kim	Chromatographic method and its validation of various tar colors in pharmaceuticals
PP 2-38 	695	Pharmaceutical Analysis	Goksu Ozcelikay	Voltammetric determination of anti-HIV drug rilpivirine using glassy carbon electrode modified with carbon quantum dots co-catalyzed with multiwalled carbon nanotubes and silver nanoparticles

Poster Pitches - Tuesday, September 3<sup>rd</sup>, 2019

PP	Ref	Group	Presenter	Title
PP 2-39 	715	Pharmaceutical Analysis	Fariba Mollarasouli	Electrochemical behavior of zafirlukast and its determination in pharmaceutical formulations using sodium dodecylsulfate doped over-oxidized polypyrrole/amine-functionalized multi-walled carbon nanotube composite film
PP 2-41 	162	Proteomics	Tanja Gangnus	A lean approach to examine surface adsorption of the low-abundant peptide bradykinin and to increase its signal intensity in LC-MS/MS: A design of experiments concept
PP 2-42 	148	Proteomics	Yuye Zhou	An antibody-free method for osteopontin preconcentration combined with MALDI-TOF MS/MS analysis

PP	Ref	Group	Presenter	Title
P 2-43	26	Analytical Instrumentation	Ulviya Abilova	Concentration of palladium which chelate sorbent on the basis of maleic anhydride styrene copolymer
P 2-44	89	Analytical Instrumentation	Marcello Locatelli	Comparison between exhaustive and equilibrium extraction: SPE and FPSE media
P 2-45	172	Analytical Instrumentation	Po Ling Chang	Immediate blood group typing by visualization of plasmonic nanoscattering via objective type dark field microscopy
P 2-46	295	Analytical Instrumentation	Jan Hrbac	Near-coulometric electrochemical detector with disposable pencil graphite electrode for FIA and HPLC
P 2-47	296	Analytical Instrumentation	Burcu Kabak	Removal of naproxen from water by using peanut husk as biochar adsorbents
P 2-48	298	Analytical Instrumentation	Burcu Kabak	Separation and preconcentration of Co(II) in drinking and waste water samples by amberlite CG-120 resin
P 2-49	302	Analytical Instrumentation	Jan Hrbac	Low-cost "green" sensors based on graphite nanomaterials prepared from pencil leads with the aid of a 3D positioning sparking device for the sensitive detection of nitroaromatic explosives
P 2-50	323	Analytical Instrumentation	Lucia Mitašik	Is 3D printing suitable tool for the facilitation of SPE-based extraction method?
P 2-51	433	Analytical Instrumentation	Paola Donato	Phenolic fingerprinting in pistachio nuts of different origins by LC×LC-PDA-MS
P 2-52	435	Analytical Instrumentation	Domenica Mangraviti	Characterization of oxygen heterocyclic compounds in cosmetics by applying linear retention indices in liquid chromatography
P 2-53	513	Analytical Instrumentation	Busra Bekar Yildirmaz	Detection of the interaction of new flavonoid quercetin derivative with dsDNA by spectrophotometric and electrochemical biosensors
P 2-54	572	Analytical Instrumentation	Steven Mascrez	Comprehensive multidimensional gas chromatography coupled with dual detection for MOSH&MOAH determination in food
P 2-55	632	Analytical Instrumentation	Mandana Amiri	Indirect determination of amikacin by following gold nanostructures voltammetric signal
P 2-56	374		Somandla Ncube	Photocatalytic degradation of antiretrovirals in environmental water samples

PP	Ref	Group	Presenter	Title
P 2-57	90	Biomedical Analysis	Marcello Locatelli	Simultaneous quantification of Gemcitabine and Irinotecan hydrochloride in rat plasma alone and in association by HPLC-PDA
P 2-58	125	Biomedical Analysis	Luisa Barreiros	Evaluation of BIBP 3226 and neuropeptide Y Y1 receptor expression by HPLC-MS/MS
P 2-59	133	Biomedical Analysis	Martin Bartosik	Rapid electrochemical assay for detection of human papilloma virus in clinical samples
P 2-60	181	Biomedical Analysis	Giuseppe Carlucci	Correlation analysis based on the hydrophobic properties of NSAIDs in SPE and RP-HPLC -DAD and their applications to biological samples
P 2-61	185	Biomedical Analysis	Anna Jarek	Nicotine ingestion among sportsmen in Poland. Method validation and statistics from last 6 years
P 2-62	187	Biomedical Analysis	Miguel Del Nogal Sánchez	Liquid-liquid extraction-programmed temperature vaporizer-gas chromatography-mass spectrometry for the determination of polycyclic aromatic hydrocarbons in saliva samples. Application to the occupational exposure of firefighters
P 2-63	195	Biomedical Analysis	José Luis Pérez Pavón	Microextraction by packed sorbents-programmed temperature vaporizer-gas chromatography-quadrupole mass spectrometry for the determination of polycyclic aromatic hydrocarbons in saliva samples
P 2-64	198	Biomedical Analysis	Patricia Martín Santos	Non-separative method based on a single quadrupole mass spectrometer for the determination of amino acids in saliva samples
P 2-65	199	Biomedical Analysis	Pablo Richter	Rotating disk sorptive extraction with integrated clean up for the determination of hormones in urine by UPLC-TOF/MS
P 2-66	208	Biomedical Analysis	Encarnación Rodríguez-Gonzalo	Determination of polar endogenous compounds in urine samples by means of a screening-confirmatory methodology based on mass spectrometry
P 2-67	220	Biomedical Analysis	María Esther Fernández Laespada	Determination of polyamines in urine samples by derivatization-PTV-GC-MS



PP	Ref	Group	Presenter	Title
P 2-68	285	<i>Biomedical Analysis</i>	Agnieszka Urbaniak	Detection of cannabinoids in urine using GC/MS/MS and GC/MS. Methods validation and statistics of cannabinoids use among Polish athletes
P 2-69	348	<i>Biomedical Analysis</i>	Katarzyna Kowalczyk	{In vitro} metabolism studies on four emerging selective androgen receptor modulators and implementation of the results into LC-MS/MS-based doping control analysis
P 2-70	445	<i>Biomedical Analysis</i>	Mirza Bojić	Inhibition of cytochrome P450 1A2 by flavonoid aglycones most commonly found in Croatian medicinal plants
P 2-71	461	<i>Biomedical Analysis</i>	Amal Rebai	Metabolic profiling of Tunisian patients with parkinson's disease
P 2-72	490	<i>Biomedical Analysis</i>	Sema Koyuturk	Simultaneous determination of hydrochlorothiazide and certain angiotensin-II Receptor antagonists in rat plasma with CE-DAD method
P 2-73	595	<i>Biomedical Analysis</i>	Daikh Badis Badis	Analytic and therapeutic evaluation of platelet –rich plasma on skin wound healing process in sheep
P 2-74	602	<i>Biomedical Analysis</i>	Ming Mu Hsieh	Sensitive determination of fluoxetine and norfluoxetine enantiomers in body fluids using ultrasound-assisted dispersive liquid-liquid microextraction combined with field-amplified sample stacking through capillary electrophoresis
P 2-75	679	<i>Biomedical Analysis</i>	Mario Juan Simirgiotis	Nutraceutical values and bioactive compounds in wild Chilean hops
P 2-76	703	<i>Biomedical Analysis</i>	Mirza Bojic	Biotransformation of tangeretin mediated by human liver cytochrome P450 enzymes
P 2-77	30	<i>Biomolecular Analysis</i>	Senani Rachida	phytochemical analysis and evaluation of antioxidant activity of Teucrium flavum extracts
P 2-78	38	<i>Biomolecular Analysis</i>	Snezana Miljanic	Binding of berberine and sanguinarine with G-quadruplex and duplex DNA revealed by surface-enhanced Raman spectroscopy
P 2-79	536	<i>Environmental Analysis and Monitoring</i>	Elia Psillakis	Leaching of metals and nicotine from littered cigarettes and heated tobacco sticks in water: An overlooked issue?
P 2-80	266	<i>Biomolecular Analysis</i>	Zehra Cobandede	A novel piezoelectric composite and its action on human osteoblast cells

PP	Ref	Group	Presenter	Title
P 2-81	267	<i>Biomolecular Analysis</i>	Berfin Uzunkaya	Investigation of endocytic pathway of gold nanoparticles in living cells using surface-enhanced Raman scattering
P 2-84	576	<i>Biomolecular Analysis</i>	Kazhybek Ashimuly	Analysis of biological volatile organic compounds of antagonistic bacteria's against fire blight
P 2-84	41		Sarra Bouhallel	Studies on Algerian Pearl Millet starch extraction methods
P 2-85	73	<i>Biosensors</i>	Livia Alexandra Gugoasa	Myoglobin-reduced graphene oxide based stochastic microsensors for molecular recognition of LH and FSH from saliva samples
P 2-86	103	<i>Biosensors</i>	Cihan Bostanci	High sensitive whole cell microbial biosensor to determine lead in aqueous solutions
P 2-87	112	<i>Biosensors</i>	Juan A Squella	Electrocatalytic determination of NADH in nanostructured electrodes modified with MWCNT and Nitroaromatics
P 2-88	156	<i>Biosensors</i>	Bohdan Josypcuk	Flow enzymatic biosensors for electrochemical determination of catecholamines
P 2-89	236	<i>Biosensors</i>	Alisa N. Kozitsina	A platform for anti-CEA antibody covalent immobilization based on polyvinylbenzylazide film included with Cu particles
P 2-90	280	<i>Biosensors</i>	Alisa N. Kozitsina	Electrochemical enzymeless oxidation and detection of glucose with polydopamine/ Ni(II)/Ru(III) complexes and Ag/Pd nanoparticles as electrocatalysts
P 2-91	338	<i>Biosensors</i>	Yesim Tugce Yaman	A single-used clay-protein composite nanoparticles modified sensor system for electrochemical diagnosis of MCF-7 cell lines
P 2-92	410	<i>Biosensors</i>	Suzan Yanik	An electrochemical nanobiosensor for sensitive determination of drug effect on cancer-related DNA
P 2-93	439	<i>Biosensors</i>	Cho Chun Hu	Synthesis of bi-ligand gold nanoclusters as a sensitive pH sensor and a probe for urea
P 2-94	711	<i>Biosensors</i>	Sibel A. Ozkan	Assay of phenylamidol with solid-based electrode
P 2-95	473	<i>Biosensors</i>	Saniye Soylemez	Glucose oxidase immobilization on thiazolothiazole containing multichromic polymer matrice for glucose detection

PP	Ref	Group	Presenter	Title
P 2-96	486	<i>Biosensors</i>	Hasret Subak	A highly sensitive electrochemical nanobiosensor for the analysis of DNA sequences based on meldola's blue and carbon nanotubes
P 2-97	516	<i>Biosensors</i>	Burcin Bozal Palabiyik	Study on electrochemical properties and DNA interaction of a novel schiff base
P 2-98	530	<i>Biosensors</i>	Roxana Mihaela Apetrei	Electrospun polyacrylonitrile-montmorillonite nanofibers in the design of first generation amperometric glucose biosensors
P 2-99	577	<i>Biosensors</i>	Sallahuddin Panhwar	Metal organic framework functionalized nanoparticles for electrochemical enumeration of bacteria
P 2-100	672	<i>Biosensors</i>	Esin Akyuz	Determining the prooxidant activity of food and biological samples using spectrophotometric gold nanocluster-based biosensor
P 2-101	688	<i>Biosensors</i>	John R Cirrito	Using micro-immunoelectrodes/ amperometry to detect rapid changes in brain A $\beta$ peptide levels in living mice
P 2-102	701	<i>Biosensors</i>	Sevinc Kurbanoglu	Enzyme-free H <sub>2</sub> O <sub>2</sub> detection via glassy carbon electrode modified with CoFe <sub>2</sub> O <sub>4</sub> @CdSe magnetic nanocomposite and rifampicin nanoparticles
P 2-103	712	<i>Biosensors</i>	Aysu Yarman	Synthetic receptors for the recognition of the copper enzymes tyrosinase and laccase
P 2-104	460	<i>Pharmaceutical Analysis</i>	Haidara Majid	Development of a suitable LC-MS/MS quantification method as key element in intraoral ex-vivo permeation studies within pharmaceutical research
P 2-105	304	<i>Proteomics</i>	Carmela Maria Montone	Development of an analytical method for the metaproteomic investigation of bioaerosol deposited on quartz filters in different environmental sites

PP	Ref	Group	Presenter	Title
P 3-1	65	<i>Pharmaceutical Analysis</i>	Nada Sayed Abdelwahab	New ecological method for determination of different $\beta$ -lactams: Application to real human plasma samples
P 3-2	66	<i>Pharmaceutical Analysis</i>	Nehal Fayek Farid	Development and validation of liquid chromatographic methods for the determination of cabergoline in presence of its degradation products: Investigation of drug degradation profile
P 3-3	74	<i>Pharmaceutical Analysis</i>	Catalina Negut	Electrochemical sensors for determination of L-tyrosine in pharmaceutical samples
P 3-4	498	<i>Biomolecular Analysis</i>	Fulya Sahin	Investigation of ATP Depletion in Living Cells using Surface-Enhanced Raman Scattering
P 3-5	224	<i>Pharmaceutical Analysis</i>	Gunay Onal	Electroanalytical investigation of antineoplastic drug vinorelbine at pencil graphite electrode in surfactant media
P 3-6	250	<i>Pharmaceutical Analysis</i>	Mohammed Albratty	Fourier transform-infra red (FT-IR) spectroscopy as a promising cost-effective technique to measure metal-protein interactions
P 3-7	310	<i>Pharmaceutical Analysis</i>	Isil Gazioglu	A simple HPLC method for quantification of everolimus from mice plasma and liver samples
P 3-8	324	<i>Pharmaceutical Analysis</i>	Alejandro Alvarez Lueje	Voltammetric determination of drugs using carbon electrodes modified with ionic liquid
P 3-9	343	<i>Pharmaceutical Analysis</i>	Mohdelhassan Ali Shayoub	Detection of feng reek seeds extract using fingerprint (TLC UV Spectrophotometer)
P 3-10	413	<i>Pharmaceutical Analysis</i>	Halil Ibrahim Ulusoy	Development of analytical method for determination of parabens at trace levels in cosmetic samples
P 3-11	477	<i>Pharmaceutical Analysis</i>	Selda Zengin Kurnali	RP-HPLC and RP-UPLC method development for simultaneous estimation of montelukast, levocetirizine dihydrochloride and desloratadine in pharmaceutical dosages form
P 3-12	479	<i>Pharmaceutical Analysis</i>	Ipek Bedir	Investigation of the effect of drug degradation on cellular mechanisms by SERS
P 3-13	491	<i>Pharmaceutical Analysis</i>	Gizem Gulsoy Toplan	Antioxidant and antimicrobial activity of different extracts from Teucrium polium L

PP	Ref	Group	Presenter	Title
P 3-14	518	<i>Pharmaceutical Analysis</i>	Kader Poturcu	Development of liquid chromatographic optimization method for quantification of clotrimazole in a topical pharmaceutical cream formulation
P 3-15	521	<i>Pharmaceutical Analysis</i>	Ebru Cubuk Demiralay	Quantification of dofetilide in human urine by reversed phase liquid chromatography method
P 3-16	583	<i>Pharmaceutical Analysis</i>	Bellifa Nazim	HPLC analysis of anthraquinones of Rhamnus alaternus from Tessala
P 3-17	585	<i>Pharmaceutical Analysis</i>	Ozgun Devrim Can	Development and validation of a sensitive hplc-ec method for quantification of catecholamines and its application on rat brain samples
P 3-18	586	<i>Pharmaceutical Analysis</i>	Saniye Ozcan	Development of a new lc-dad method for quantitative determination of ivacaftor in the presence of its degradation products
P 3-19	639	<i>Pharmaceutical Analysis</i>	Saadet Dermis	Analysis methods applied for drugs used in prostate diseases
P 3-20	626	<i>Pharmaceutical Analysis</i>	Saadet Dermis	Quantitative determination of sumatriptan in tablets by derivative spectrophotometry
P 3-21	636	<i>Pharmaceutical Analysis</i>	Djamila Zama	Antiproliferative effect of Centaurea maroccana Ball. (Asteraceae) compounds
P 3-22		<i>Pharmaceutical Analysis</i>	Ayca Urcuk	The role of graphene oxide doped poly $\beta$ -cyclodextrin on electrochemical response of sulphur as an antidepressant
P 3-23	652	<i>Pharmaceutical Analysis</i>	Dragana Sicarov	In vitro dissolution profile study of atomoxetine from hard gelatine capsules using HPLC method
P 3-24	714	<i>Pharmaceutical Analysis</i>	Nurgul K Bakirhan	Electrochemical behavior of a second generation H1-receptor antagonist: Benzimidazole difumarate
P 3-25	32		Oluwatosin Sarah Shokunbi	Composting of dry bean (phaseolus vulgaris) husk: physico-chemical and spectroscopic characterisation
P 3-26	675	<i>Pharmaceutical Analysis</i>	Iza Matarashvili	Comparative study of cellulose tris(3-chloro-5methylphenylcarbamate) coated or covalently immobilized on silica for separation of enantiomers in high-performance liquid chromatography
P 3-27	684	<i>Pharmaceutical Analysis</i>	Burcu Dogan Topal	Anodic oxidation of adenine nucleoside analog fludarabine on NH <sub>2</sub> functionalized multiwalled carbon nanotube modified glassy carbon electrode

PP	Ref	Group	Presenter	Title
P 3-28	685	<i>Pharmaceutical Analysis</i>	Dilay Subasi	Determination of dihydroxypropyl theophylline by square wave voltammetry using boron doped diamond electrode
P 3-29	710	<i>Pharmaceutical Analysis</i>	Derar Mohammad Omari	Use of ultrasound and microwaves to enhance solubility and bioavailability of modafinil: formulation and characterization of tablets for oral dosage form
P 3-30	694	<i>Proteomics</i>	Engin Kocak	Proteomics analysis of pseudomonas aeruginosa under ferrocene-boronic acid induced stress condition
P 3-31	387	<i>Surface Science</i>	Mehmet Gulcan	Graphene-based materials for the removal of Zn (II) from the aqueous solution: Isotherm and kinetic studies
P 3-32	611	<i>Surface Science</i>	Krzysztof Mech	Electrodeposition of Zn coatings reinforced with SiC nanoparticles
P 3-33	25	<i>Chemical Analysis</i>	Fatiha Fatiha	Optimization of the synthesis of mesoionics pyrimidinium betaines
P 3-34	27	<i>Chemical Analysis</i>	Yuliya Yu Petrova	Structural-group analysis of oil shale organic matter by infrared spectroscopy
P 3-35	58	<i>Chemical Analysis</i>	Sergejs Osipovs	Development of a SPA analysis method for the measurement of nitrogen organic compounds in producer gas
P 3-36	67	<i>Chemical Analysis</i>	Viacheslav I Vershinin	Interval estimation of similar analytes total content
P 3-37	82	<i>Chemical Analysis</i>	Lokman Liv	Realisation of a unified pH scale
P 3-38	87	<i>Chemical Analysis</i>	Muhammad Saeed Ullah	Thermogravimetric analysis of blends of biomass and indigenous coal
P 3-39	95	<i>Chemical Analysis</i>	Yavuz Yardim	Sensitive and simple electrochemical determination of higenamine using the pretreated pencil graphite electrode in the dietary supplements
P 3-40	104	<i>Chemical Analysis</i>	Rodrigo Segura	Voltammetric determination of As(III) in bivalve mollusks using a glassy carbon electrode modified with gold nanorods and electrochemically reduced graphene oxide
P 3-41	108	<i>Chemical Analysis</i>	Andrey Bulatov	Homogeneous liquid-liquid microextraction: recent advances and applications
P 3-42	127	<i>Chemical Analysis</i>	Filipa Raquel Simoes	Alkaline oxidation of carbon materials: from a chemical determination approach to a structural analysis perspective

PP	Ref	Group	Presenter	Title
P 3-43	134	<i>Chemical Analysis</i>	Yimin Xu	4-in-1 toxic metals analysis in chinese proprietary medicines using ultrawave microwave acid digestion system
P 3-44	155	<i>Chemical Analysis</i>	Aleksandrs Pučkīns	Chromatographic analysis of novel luminescent heterocyclic compounds derived from nitrobenzanthrones
P 3-45	223	<i>Chemical Analysis</i>	Rui Miguel Ramos	Determination of formaldehyde in wood-based products: Exploring the acetylacetone derivatization
P 3-46	235	<i>Chemical Analysis</i>	Yun Xie	A quick analysis of Strontium-90 in radioactive stainless steel samples from a research reactor
P 3-47	294	<i>Chemical Analysis</i>	Alexander Maltsev	Influence of Pt matrix on determination of impurities in refined platinum by means of ICP-OES
P 3-48	299	<i>Chemical Analysis</i>	Alla Ivanova	New potentiometric method for investigation total antiradical capacity
P 3-49	325	<i>Chemical Analysis</i>	Pelin Koseoglu Yilmaz	Ultrasound and vortex-assisted dispersive liquid-liquid microextraction (USVADLLME) of parabens
P 3-50	340	<i>Chemical Analysis</i>	Dahmani Nacera	Chemical analysis of essential oils and heavy compounds of artemisia herba alba from two regions of Algeria
P 3-51	369	<i>Chemical Analysis</i>	Rachedi Yahia	Synthesis and analysis of bispyrazole-thiazole-pyran-2-one-substituted, based condensed heterocycles
P 3-52	371	<i>Chemical Analysis</i>	Yildiz Uygun Cebeci	Synthesis of Diethanolamide Surfactants
P 3-53	421	<i>Chemical Analysis</i>	Mereke Alimzhanova	Quality control of pesticide products of glyphosate by HPLC method
P 3-54	422	<i>Chemical Analysis</i>	Boryana Koleva	Application of isotope dilution mass spectrometry for determination of element content in waters
P 3-55	428	<i>Chemical Analysis</i>	Antonio Ruiz Medina	Phytochemical analysis, antioxidant activity, and enzyme inhibitory properties of <i>berberis thunbergii</i> dc. leaves: a valuable source of phenolic acids
P 3-56	430	<i>Chemical Analysis</i>	Pilar Ortega Barrales	Graphene quantum dots-silver nanoparticles as a novel sensitive and selective analytical method for the detection of glyphosate in agri-food samples

PP	Ref	Group	Presenter	Title
P 3-57	432	<i>Chemical Analysis</i>	Pilar Ortega Barrales	Chemical profile and antioxidant activity of <i>Olea europaea</i> L. cv. Cornezuelo table olives. Influence of <i>in vitro</i> simulated gastrointestinal digestion
P 3-58	436	<i>Chemical Analysis</i>	Diana Mariola Gordon	Kinetic study on sulfur mustard degradation in Baltic Sea
P 3-59	443	<i>Chemical Analysis</i>	María Luisa Fernández De Córdova	Automated fluorimetric sensor for the determination of zearalenone mycotoxin in maize and cereal feedstuffs
P 3-60	444	<i>Chemical Analysis</i>	María Luisa Fernández De Córdova	Phytochemical and mineral composition of broccolini. Effect of different cooking methods
P 3-61	470	<i>Chemical Analysis</i>	Sare Kesekler	Effervescence-assisted dispersive liquid-liquid microextraction based on deep eutectic solvent for preconcentration and determination of lead in textile samples by using FAAS
P 3-62	471	<i>Chemical Analysis</i>	Maha Yahya	Preconcentration of cadmium and lead ions in hair dyes and henna samples based on deep eutectic solvent for liquid-liquid microextraction and determination by flame atomic absorption spectrometry
P 3-63	529	<i>Chemical Analysis</i>	Aysu Arman	Electrochemical determination of dopamine with using dopamine molecular memory-copolymer electrode
P 3-64	545	<i>Chemical Analysis</i>	Chanika Pinyorospatum	Liquid chromatography for separation of important insecticides coupled with amperometry on copper-gold nanoparticles modified boron-doped diamond electrode
P 3-65	662	<i>Chemical Analysis</i>	Mehmet Gokhan Caglayan	Fluorescence chemosensing of meldonium on paper microzone plates
P 3-66	670	<i>Chemical Analysis</i>	Burcu Bekdeser	Peroxy radical scavenging activity assay using starch stabilized-gold nanoparticles
P 3-67	676	<i>Chemical Analysis</i>	Gamze Ergin Kizilcay	Development and validation of HPLC-fluorescence method for determination of trans-resveratrol in rabbit plasma
P 3-68	680	<i>Chemical Analysis</i>	Mario Juan Simirgiotis	Phytochemistry, metabolomics and biological activity of <i>gypothamnium pinifolium</i> from Northern Chile

PP	Ref	Group	Presenter	Title
P 3-69	713	<i>Chemical Analysis</i>	Mehmet Gumustas	Comparison of fully porous silica and superficially porous silica particles for chromatographic resolution of enantiomers by supercritical fluid chromatography
P 3-70	708	<i>Chemical Analysis</i>	Kenan Can Tok	Efficient extraction method for simultaneous determination of bisphenols and phthalates in meconium specimens using GC-MS
P 3-71	52	<i>Chemometrics</i>	Arsenio Muñoz De La Peña	Three- and four-way data arrays, based in front-face fluorescence excitation-emission in polar and non-polar solvents, for classification of "tempranillo" grapes according to maturation stage and hydric status
P 3-72	72	<i>Chemometrics</i>	Pavel Majek	Determination of enantiomeric composition of drugs in different matrices by chemometric-assisted spectrometric methods
P 3-73	113	<i>Chemometrics</i>	Safia Kellou Tairi	Antioxidant activity mechanisms of some flavonoids: Dft study
P 3-74	214	<i>Chemometrics</i>	Hector Goicoechea	Third- and fourth-order data generation and modeling and their application in the analysis of complex systems
P 3-75	381	<i>Chemometrics</i>	Abdelmalek Kachbi	Differentiation of the infusion extracts of four spices by using mixed hierarchical models
P 3-76	440	<i>Chemometrics</i>	Said A Hassan	Advanced chemometric methods as a powerful tool for impurity profiling of bisoprolol and perindopril
P 3-77	501	<i>Chemometrics</i>	Silenne Vinet	Detection of powdery mildew ( <i>Erysiphe necator</i> ) in <i>Vitis vinifera</i> using FT-IR microscopy and Vis-NIR spectroscopy
P 3-78	458	<i>Clinical Chemistry</i>	Suat Ekin	Protective effect of boric acid and borax on a-tocopherol, retinol, cholecalciferol and phyloquinone levels against 3-methylcholanthrene and benzo[a]pyrene induced oxidative damage in rats
P 3-79	503	<i>Clinical Chemistry</i>	Maria Kulp	Quantification of beta-lactam antibiotics in human plasma by HPLC-MS/MS method. Validation study

PP	Ref	Group	Presenter	Title
P 3-80	598	<i>Clinical Chemistry</i>	Suat Ekin	Analysis of human serum trace element and mineral levels by ICP-OES in patients with osteoporosis
P 3-81	623	<i>Clinical Chemistry</i>	Durisehvar Ozer Unal	Therapeutic drug monitoring of patients with cancer
P 3-82	624	<i>Clinical Chemistry</i>	Cigdem Sayil	Synthesis of new Mono-, and Bis-Substituted 2-Nitrohalo-1,3-Dienes
P 3-83	464	<i>Biosensors</i>	Elif Burcu Aydin	Ultrasensitive biosensing of NSE biomarker in human serum using poly(thiophene)-graft-poly(methacrylamide) modified ITO electrode
P 3-84	647	<i>Clinical Chemistry</i>	Cigdem Sayil	Design, synthesis, and antioxidant activity of heteroatom-substituted 1,4-naphthoquinones
P 3-85	23	<i>Green Analytical Chemistry</i>	Zineb Lakache	Total phenolics, flavonoids contents and antioxidant properties of different extracts of {cymbopogon citratus} leaves from algeria
P 3-86	33	<i>Green Analytical Chemistry</i>	Mohamed Amine Ferhat	Green extraction and chromatography of carotenoid from tomato
P 3-87	47	<i>Green Analytical Chemistry</i>	Mohamed Amine Ferhat	Green chemical processing in the teaching laboratory: A convenient solvent free microwave extraction of natural products
P 3-88	269	<i>Green Analytical Chemistry</i>	Paniz Tashakkori	Determination of phenolic compounds in wine samples by solid phase microextraction coupled with gc-ms
P 3-89	271	<i>Green Analytical Chemistry</i>	Ana Jocić	Selective separation of tungsten from vanadium and molibdenium using polymer based aqueous biphasic systems
P 3-90	273	<i>Green Analytical Chemistry</i>	Paniz Tashakkori	Analysis of phenolic compounds in fruit juices by hplc after sme using ionic liquid grafted montmorillonite coating
P 3-91	300	<i>Green Analytical Chemistry</i>	Digdem Trak	Green synthesis of silver nanoparticles using prune and its antibacterial activities
P 3-92	434	<i>Green Analytical Chemistry</i>	Donay Yuvali	A rapid, simple and new extraction method of Erythrosine (E127) with hydrophobic deep eutectic solvents from pharmaceutical samples
P 3-93	654	<i>Laboratory Automation</i>	Burkhard Horstkotte	Lab-In-Syringe: A versatile technique for automation of liquid phase microextraction approaches



PP	Ref	Group	Presenter	Title
P 3-94	17	<i>Materials Science</i>	Yuliya Yurievna Petrova	Surface molecular imprinting of quercetin with the use of glutathione
P 3-95	22	<i>Materials Science</i>	Afir Arezki	High temperature X-ray diffraction study of Tantalum – Carbides phases
P 3-96	99	<i>Materials Science</i>	Safia Kellou Tairi	Novel metal complexes with curcumin and its diacetyl derivative: Theoretical elucidation on the antioxidant activity
P 3-97	159	<i>Materials Science</i>	Mamas Prodromidis	Advanced sensors for heavy metals based on monoelemental 2D bismuthene and graphene nanocomposites produced by shear-force liquid exfoliation
P 3-98	307	<i>Materials Science</i>	Anastasia Sergeevna Kholmogorova	Physico-chemical properties and analytical application of dithiooxamidated polysiloxane
P 3-99	344	<i>Materials Science</i>	Oznur Akbal	Preparation of montmorillonite- protein nanocomposites to be used as drug delivery in cancer therapy
P 3-100	345	<i>Materials Science</i>	Fernando José Godoy	Dual mechanism for the detection and quantification of Copper (II) based on "turn-on" fluorescence response using asymmetric ferrocenyl thiazolo[5,4d]thiazole probes
P 3-101	367	<i>Materials Science</i>	Chikh Afir Houria Houria	High temperature X-ray diffraction study of Tantalum – Oxides phases
P 3-102	382	<i>Materials Science</i>	Yongchai Kwon	Performance improvement of neutral aqueous organic redox flow battery using anthraquinone derivative and potassium iodide redox couple with additives
P 3-103	383	<i>Materials Science</i>	Yongchai Kwon	Performance evaluation of aqueous redox flow battery using alloxazine derivative and ferrocyanide redox couple with carboxylic acid-doped carbon nanotube catalyst
P 3-104	388	<i>Materials Science</i>	Mehmet Gulcan	Metal-organic framework-based silver nanoparticles for the biological applications: Preparation and detailed characterization
P 3-105	391	<i>Materials Science</i>	Mohamed Benamor	Statistical design of experiments for the optimization of the basic dye adsorption process by biopolymers in a batch system
P 3-106	543	<i>Materials Science</i>	Rafaella Cristina De Carvalho	A simple nanoparticle based TiO <sub>2</sub> memristor device and the role of defect chemistry in its operation

PP	Ref	Group	Presenter	Title
P 3-107	562	<i>Materials Science</i>	Babatunde Oji	Sintering, characterization and evaluation of ceramics recycled from waste soda-lime-silica glass and white corn cob ash
P 3-108	683	<i>Materials Science</i>	Aysegul Golcu	The new metal-based compound from anticancer drug 5-fluorouracil
P 3-109	50	<i>Materials Science</i>	Chadli Abdelhakim	Structural, electronic and anisotropic elastic properties of h-YMnO <sub>3</sub> in low symmetry: DFT calculations
P 3-110	118	<i>Nano Analysis</i>	Francisco Pena Pereira	Metal nanoparticles and nanoclusters for in-drop preconcentration and optical sensing of volatiles
P 3-111	347	<i>Nano Analysis</i>	Eduardo Méndez	Preliminary insights into lead ions detection with rhodizonate-capped gold nanoparticles
P 3-112	399	<i>Nano Analysis</i>	Kader Can	Manganese dioxide nanoparticle-based indirect determination of lipophilic and hydrophilic antioxidants using 3,3',5,5' tetramethylbenzidine reagent
P 3-113	621	<i>Nano Analysis</i>	Cemil Aydogan	Porous layer open-tubular nano LC with novel chiral stationary phase
P 3-114	265	<i>Pesticide-Residue Analysis</i>	Piia Jõul	Selective extraction and analysis of pesticides by carbon aerogel-based solid-phase microextraction
P 3-115	469	<i>Pesticide-Residue Analysis</i>	Cem Erkmen	Development of RP-HPLC method for chlorothalonil, dinobuton and buprofezin from environmental samples
P 3-116	519	<i>Pesticide-Residue Analysis</i>	Suzan El Akaad	3D bismuth ferrite nanoflowers electrochemical sensor for the multiple detection of pesticides
P 3-117	408	<i>Biomolecular Analysis</i>	Young Kee Chae	Investigation of propolis from various origins in Turkey
P 3-118	682	<i>Biomolecular Analysis</i>	Öznur Aglar	Preparation and binding studies with the START Domain of the Ceramide Transfer Protein (CERT) via Nuclear Magnetic Resonance (NMR)

# Congress Venues Day by Day

Day	Programme	Venue
31 August, 2019	<b>Short Courses</b>	Istanbul University Faculty of Pharmacy
1 September, 2019	<b>Short Courses</b>	Istanbul University Faculty of Pharmacy
1 September, 2019	<b>Registration Opening Ceremony Scientific Programme</b>	Prof. Dr. Cemil Bilsel Conference Hall (Faculty of Science)
1 September, 2019	<b>Welcome Reception</b>	Best Western Plus The President Hotel
2 September, 2019	<b>Scientific Programme</b>	Istanbul University Congress and Culture Center
2 September, 2019	<b>Social Programme</b>	Prof. Dr. Cemil Bilsel Conference Hall (Faculty of Science)
3 September, 2019	<b>Scientific Programme</b>	Istanbul University Congress and Culture Center
3 September, 2019	<b>Social Programme</b>	Prof. Dr. Cemil Bilsel Conference Hall (Faculty of Science)
4 September, 2019	<b>Scientific Programme</b>	Istanbul University Congress and Culture Center
4 September, 2019	<b>Gala Dinner On Boat</b>	
5 September, 2019	<b>Scientific Programme Awards and Closing Ceremony</b>	Istanbul University Congress and Culture Center

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