



Antwerp, Belgium

10th EuChemS Chemistry Congress

euchems2026.eu

12 - 16 July 2026



Monday 13th July 2026

Congress theme:
Perspectives in AC and PhC

Session	Timing	Presenter	Title	Topic ID
APC - D1 - O1	10:00-10:15	Dietzek-Ivansic Benjamin	Excited-State Proton Transfer in Ru(II)- and Fe(II)-Complexes with Pyrazine-Moieties – towards Iron-Based Photobases	Electrochemistry and Interface Phenomena
APC - D1 - O2	10:15-10:30	Dhirani Al-Amin	Charge exchange transistor: an extension of electrochemistry	Electrochemistry and Interface Phenomena
APC - D1 - O3	10:30-10:45	Al-Shamery Noah	Electrochemical confinement as a tool for nanoscale fabrication and redox control	Electrochemistry and Interface Phenomena
APC - D1 - O4	10:45-11:00	Süzer Sefik	Solid-Solid and Solid-Liquid Junctions and Interfaces as Probed by AC/DC Biased XPS	Electrochemistry and Interfacial Phenomena
APC - D1 - O5	11:00-11:15	Kaur Harminder	Synergistic Ni-Co layered double hydroxide interface on graphite for trace-level eugenol detection	Electrochemistry and Interface Phenomena
APC - D1 - O6	11:15-11:30	Pawlak Alicja	Interfacial effects in indium(III) ion electroreduction	Electrochemistry and Interface Phenomena
APC - D1 - O7	11:30-11:45	Obeng-Gyasi Obed	Lipid Composition Influences the formation of Vesicle Lamellarity	Structure and Structural Analysis
APC - D1 - O8	11:45-12:00	Morthala Rishi Bharadwaj	High-throughput continuous slug flow platform for investigating non-photochemical laser-induced nucleation mechanisms	Structure and Structural Analysis

Flash Presentations

APC - D1 - F01	12:00	De Vos Evelyne	The Development of an analytical Method For assessing the Cornea-on-Chip as a predictive In Vitro Model for Ocular Drug Absorption	
APC - D1 - F02		Nowak Izabela	Emulsifying Properties of Cetearyl Olivat and Sorbitan Olivat in Semi-Solid Cosmetic Matrices	
APC - D1 - F03		Kadela Karolina	Advancing O-PTIR Spectroscopy for Sub-Zero Materials Analysis	
APC - D1 - F04		Oleš Honorata	From Autofluorescence to Chemical Maps: Widefield FL-PTIR Imaging of Biological Tissues	

Lunch

APC - D1 - I1	14:00-14:30	Debora Scuderi	Molecular structure identification in mass spectrometry by FEL-based Infrared ion spectroscopy	Structure and Structural Analysis
APC - D1 - O9	14:30-14:45	Rensonnet Aurelie	The fate of the proton in protic and aprotic ionic liquids: acidity and ion transfer studied by Raman spectroscopy	Structure and Structural Analysis
APC - D1 - O10	14:45-15:00	Malherbe Cedric	Raman spectroscopy for probing extreme chemical systems: from high-temperature molten salts to super-acidic room temperature ionic liquids	Structure and Structural Analysis
APC - D1 - O11	15:00-15:15	Wang Chien-Lung	Water-Driven Self-Assembly Pathways for Thermostable and Adaptive Supramolecular Materials	Structure and Structural Analysis
APC - D1 - O12	15:15-15:30	Biribicchi Chiara	Evaluation of Cellulose-Based Passive Adsorbers for Capturing Acetic Acid Using HS-TD-GC-MS and Magic Chemisorbers	Structure and Structural Analysis
APC - D1 - O13	15:30-15:45	Reinhardt Peter	Mass-Dependent and Independent Isotopic Fractionation in Ozone	Structure and Structural Analysis
APC - D1 - O14	15:45-16:00	Kosowska Karolina	Probing Molecular Alignment and Microstructural Heterogeneity in Polymers via High-Resolution Polarized O-PTIR Imaging	Structure and Structural Analysis

Posters

APC - D1 - P01		Kugimiya Akimitsu	Development of paper-based analytical device for branched-chain amino acids	
APC - D1 - P02		Chalkiadaki Olga	Comparative Study of Digestion Methods for Antimony Analysis in Certified Ore Reference Materials	
APC - D1 - P03		Rinaldo Daniel	A Sustainable Strategy for High-Yield Resveratrol Recovery from Agro-Industrial Waste using Optimized MAE-NADES	
APC - D1 - P04		Alves Cátia	Sedimentation kinetic of a textile adhesive	
APC - D1 - P05		Límaa Cleuryson	Development of tools in chemical metrology for standardization of the analysis of Brazilian hops.	
APC - D1 - P06		Nosal-Wiercinska Agnieszka	Probing interfacial effects in bismuth(III) electroreduction using simple mercury-based electrodes	
APC - D1 - P07		Laoufi Nardjess Rim	Assessment of the crystalline state of polymorphic pharmaceutical active ingredients in a forced degradation study utilizing seven recommended methodologies: application to carbamazepine	
APC - D1 - P08		Tayari Faouzia Ep Iben Nassar	Predictive Acoustic Modelling of Sustainable Natural Fibers and 3D-Printed Architected Absorbers	
APC - D1 - P09		Salíngros Edouard	ShinyCDS: an open-source R-based software for reproducible processing of chromatograms	

APC - D1 - P10	Crisóstomo Bezerra Costa Clara Andrezza	Study of the stability and degradation of the LQM330 molecule active against the Chikungunya virus (CHIKV)
APC - D1 - P11	Crisóstomo Bezerra Costa Clara Andrezza	Characterization of the LQM330 molecule by High-Performance Liquid Chromatography (HPLC), Gas Chromatography-Mass Spectrometry (GC/MS), and Fourier-Transform Infrared Spectroscopy (FTIR)



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Tuesday 14th July 2026
Congress theme:
Perspectives in AC and PhC

Description	Timing	Presenter	Title	Topic ID
APC - D2 - O1	10:00-10:15	Pilkington Lisa	Sensing and capture/release of biological analytes in complex matrices	Sensors / Biosensors
APC - D2 - O2	10:15-10:30	Miceli Francesca	MAIGRET: a CRISPR-based immunoassay that employs antibody-induced cell-free transcription of CRISPR guide RNA strands	Sensors / Biosensors
APC - D2 - O3	10:30-10:45	Mesquita Raquel	Microfluidic paper-based devices for public health biomarkers monitoring	
APC - D2 - O4	10:45-11:00	Segundo Marcela	Flow-based automatic and miniaturized solid-phase extraction towards sample preparation and renewable sensors	
APC - D2 - O5	11:00-11:15	Girola Valentina	Programmable gene circuit cascades for biosensing applications	Sensors / Biosensors
APC - D2 - O6	11:15-11:30	Butera Ester	Carbon nano-dots based on L-Proline for non enzymatic electrochemical tyrosine sensing	Sensors / Biosensors
APC - D2 - O7	11:30-11:45	Sinha Ankita	Detection of circulating therapeutic monoclonal antibodies for cancer monitoring	
APC - D2 - O8	11:45-12:00	El Rhazi Mama	A Sustainable Route to Fe-Cu/CNT Nanocomposites on Screen-Printed Electrode Coupled with Smartphone for High Performance Electrochemical Detection of Diclofenac	

Flash	Presentations			
APC - D2 - F01	12:00	Scovacicchi Teresa	Graph-Based Clustering of Isotopic Patterns in High-Resolution MALDI-MSI Using Matrix Distances	
APC - D2 - F02		Pacchione Guglielmo	High-Sensitivity UHPLC-MS/MS Multi-Residue Analysis of Pharmaceuticals in Aquatic Systems: Methodological Advances for Environmental Risk and AMR Assessment	
APC - D2 - F03		Piscitelli Fabiana	Integrating IC-MS and malDI-MS imaging to map brain region specific distribution of endocannabinoids and their congeners	
APC - D2 - F04		Sule-Ogli Ada Florence	Spatial Distribution, Bioaccumulation and Human Health Risk Assessment of Heavy Metals in Urban Topsoil and Neem (<i>Azadirachta indica</i>) Bark in Makurdi, Benue State Nigeria	

Lunch

APC - D2 - I1	14:00-14:30	Zoltan Mester	Advancing the Chemical Measurement Science Enterprise — A Case for Strengthening Analytical Chemistry Education	Quality and Training
APC - D2 - O9	14:30-14:45	Ferreira Bruna	Linearity as the main source of uncertainty in chemical assays: statistical evaluation and implications for the limit of quantification (LOQ)	Quality and Training
APC - D2 - O10	14:45-15:00	Piotr Mytych	Analytical Science as a Catalyst for Process Efficiency: The Abrocitinib 2G Experience 36	Quality and Training
APC - D2 - O11	15:00-15:15	Gibkes Rebecca	Investigation of the applicability of dimethyl carbonate as a green solvent in liquid chromatography	Environmental
APC - D2 - O12	15:15-15:30	Bollella Alessandro	Integrated Analytical Strategies Supporting Risk Assessment of Emerging Contaminants in Marine Ecosystems	Environmental
APC - D2 - O13	15:30-15:45	Bogyor Andrea	Kinetic and thermodynamic studies as a tool for understanding the adsorption mechanism of organic pollutants from aqueous media	Environmental
APC - D2 - O14	15:45-16:00	Zwiener Christian	Novel and legacy PFAS in human hair reflect a broad range of exposure	Environmental
APC - D2 - O15	16:30-16:45	Evans Robert	Benchmark 19F NMR analysis of bio-oils produced from Brewers' Spent Grains and other waste products	Environmental
APC - D2 - O16	16:45-17:00	Awe Omoniyi	Analysis of Sulfated Cyanopeptides in Lake Erie Water Samples: Quantification via	Environmental
APC - D2 - O17	17:00-17:15	Barek Jifi	Novel Electroanalytical Methods for Monitoring of Environmental Carcinogens	Environmental
APC - D2 - O18	17:15-17:30	Zwiener Christian	Nontarget Screening and PhotoTOP assay to characterize PFAS in AFFF contaminated sites	Environmental
APC - D2 - O19	17:30-17:45	Quattrococchi Miriam	Covalent DNA-based dimerization networks to control in-vitro transcription	Biomolecular
APC - D2 - O20	17:45-18:00	Lermyte Frederik	Combining flow-induced dispersion and native mass spectrometry for biomolecular analysis	Biomolecular

Posters

APC - D2 - P01		Mijjanic Snezana	Silver and gold nanospheres for SERS-based detection of G-quadruplexes	
APC - D2 - P02		Orteza Khianne Ed Miguel Pajarillo	Interactions of engineered silica nanoparticle-bound PFOA: adsorption and toxicological effects on pulmonary health	
APC - D2 - P03		Hassan Ahmed Hassan Elzain	Vortex-Assisted Micro Solid-Phase Extraction of Carbamazepine Using Nb,C MXene-MWCNTs-MoSe ₂ Nanocomposite: Characterization, Optimization, and HPLC-DAD Application	
APC - D2 - P04		Hussain Abrar	Ratiometric Fluorescence and Chromogenic Probe for Ultra-Trace Detection of Selected Transition Metal Ions	
APC - D2 - P05		Shao Dahai	Enhanced Specificity in Plasma Acylcarnitine Profiling: Utilizing Group-Specific Fragmentation and High-Resolution Mass Spectrometry to Resolve Isobaric and Crossover Interferences	
APC - D2 - P06		Kim Yong-Kyoung	Determination of antimony species and analysis in various food using ICP-MS	
APC - D2 - P07		KAUR TARUVEER	Thermodynamics studies of L-threonine in aqueous-1-butyl-3-methylimidazolium chloride solutions over the temperature range T = (288.15-318.15) K	
APC - D2 - P08		Verdin Alexandre	Controlling Gold Nanoparticles Aggregation in Continuous Flow Microreactor for Robust Production of Ultrasensitive NIR SERS Nanotags	
APC - D2 - P09		T Phanrang Pynskhemborlang	Synergistic modulation of anticholinergic and antioxidant features of Alzheimer's disease drugs adsorbed on tunable graphene oxide surface	
APC - D2 - P10		Panda Soumya Ranjan	Spacer-mediated Interplay of Triplet Excitons in Delayed Fluorescent Emitters	
APC - D2 - P11		Smolliková Vendula	Analytical strategy for speciation-resolved monitoring of labile arsenic using passive sampling and HPLC-ICP-MS	
APC - D2 - P12		Gabbricci Giulia	Thermotropic and thixotropic lipid based nanocarriers: structure, rheology and phase behaviour	



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Wednesday 15th July 2026
Congress theme:
Perspectives in AC and PhC

Description	Timing	Presenter	Title	Topic ID
APC - D3- O1	10:00-10:15	Kaur Harminder	Sustainable Fe-MIL-101-based electrochemical sensor for selective and sensitive detection of 4-aminophenol and acetaminophen	Sensors / Biosensors
APC - D3- O2	10:15-10:30	Boukaroom Ouassim	Application of a new monomer sensor for the fluorimetric detection of cadmium ions: preparation of modified electrodes with fluorescent ion-imprinted polymers	Sensors / Biosensors
APC - D3- O3	10:30-10:45	Lettieri Mariagrazia	A Label-Free QCM Immunosensor Based on Hyaluronic Acid-Coated Solid Lipid Nanoparticles for Non-Invasive Haptoglobin Monitoring in Neuroinflammation	Sensors / Biosensors
APC - D3- O4	10:45-11:00	Dhanjai Dhanjai	Enzyme Nanocapsules as Robust Biosensors	Sensors / Biosensors
APC - D3- O5	11:00-11:15	Oró-Nolla Bernat	Exploring PFAS as a new source of chemical exposure in cosmetic formulations	
APC - D3- O6	11:15-11:30	Monakhova Yulia	NMR and IR spectroscopies as alternative analytical methods for biopolymers without chromophore: example of hyaluronic acid in dietary supplements and cosmetics	Food, Pharmaceuticals and Consumer Products
APC - D3- O7	11:30-11:45	Švorc Lubomir	Batch injection analysis with electrochemical detection as a useful tool in food and pharmaceutical practice	Food, Pharmaceuticals and Consumer Products
APC - D3- O8	11:45-12:00	Nowak Izabela	Innovative Lipid Nanocarriers for Advanced Delivery of Active Substances with Pharmaceutical/Cosmetic Activities	Food, Pharmaceuticals and Cosmetics

Lunch

APC - D3 - I1	14:00-14:15	Federico Marini	Is Chemometrics Still Needed in the Age of Artificial Intelligence?	Data Management
APC - D3- O9	14:30-14:45	Licheri Antonio	Extending SPE lifetime for accurate electrochemical detection of emerging environmental pollutants using machine learning-based data interpretation	Data Management
APC - D3- O10	14:45-15:00	Çağlar Yasemin	Chemometric optimization of a green DES-RP-DLLME method for total phenolic determination in cosmetic matrices	Data Management
APC - D3- O11	15:00-15:15	Lucena Pedro	Joint and unique spatial networks analysis using vibrational and atomic spectroscopies for mapping soil chemical associations in northeast Brazil	Data Management
APC - D3- O12	15:15-15:30	Castrignanò Erika	An AI-driven tool for the metabolic signatures of new psychoactive substance exposure within the NARCOSIS platform	Data Management
APC - D3- O13	15:30-15:45	Rojas Wudmir	Large-scale evaluation of semiempirical quantum mechanical EI-MS prediction for toxic compounds	Data Management
APC - D3- O14	15:45-16:00	Mathiyalagan Prabhakaran	An Analytical Framework for nanohydroxyapatite evaluation in commercial toothpaste formulations by multivariate optimization through ICP-OES	Food, Pharmaceuticals and Consumer Products/Data Management

Posters

APC - D3 - P01	Csontos Daniel	Determination of dopant elements in optical crystals with solid sampling high-resolution continuum source graphite furnace atomic absorption spectrometry
APC - D3 - P02	Csontos Daniel	Studies on the improvement of the electrolyte cathode atmospheric glow discharge for environmental monitoring purposes
APC - D3 - P03	Belforte Erica	Activity based (bio)sensor for the monitoring of MutyH DNA glycosylase activity
APC - D3 - P04	Hemdan Ahmed	LC-MS/MS Method Development and Validation for Clinical Pharmacokinetics and Therapeutic Drug Monitoring of Potassium-Competitive Acid Blocker Vonoprazan-Based Triple Therapy for <i>H. pylori</i> in Human Plasma
APC - D3 - P05	Weragalage Waruna Hashan Weragala	Forensic Characterization of Cannabis in Vape products and Labeled Products Seized in Two Court Cases: A Case Study
APC - D3 - P06	Ashrafzadeh Mohammad Pouya	Silver Nanoparticle Synthesis using a Deep Eutectic Solvent and Green Tea
APC - D3 - P07	Atanassova Maria	Green twist to solvent extraction and separation of metallic species with elfin chelating ligands
APC - D3 - P08	Özbal Ayşegül	Drug release performance of amphiphilic polymeric micelles and cross-linked micelles
APC - D3 - P09	Verbert Selam	Influence of Silane-Based Monolayers on the Stability and Transformation of β -Glycine using SHG Microscopy
APC - D3 - P10	Belova Lidia	Ion mobility high-resolution mass spectrometry (IM-HRMS) – an emerging technique facilitating the analysis of environmental contaminants and their metabolites.
APC - D3 - P11	Bek Sanjar	Synthesis and crystalline structure of diaquabis (5-methylthiazole-2-carboxylate- κ 2N,O) cobalt (II)
APC - D3 - P12		



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Thursday 15th July 2026
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Perspectives in AC and PhC

Session	Timing	Presenter	Title	Topic ID
APC - D4 - I1	10:00-10:15	Martin Oschatz	Using novel adsorption phenomena for the characterization of nanoporous materials	Structure and Structural Analysis
APC - D4 - O1	10:30-10:45	Pocrnić Marijana	Influence of cyclodextrins on loratadine stability and structural characterization of degradation products by HR MS/MS	
APC - D4 - O2	10:45-11:00	Mondal Soumyadip	Individual Marcus-type kinetics controls singlet and triplet oxygen evolution from superoxide	Structure and Structural Analysis
APC - D4 - O3	11:00-11:15	Clemente Ilaria	In situ SAXS investigation of microfluidic aggregation kinetics of lipid-based nanocarriers	Structure and Structural Analysis
APC - D4 - O4	11:15-11:30	Talarico Luigi	Probing light-triggered structural dynamics in Lipid Nanoparticles using Time-Resolved SAXS	Structure and Structural Analysis
APC - D4 - O5	11:30-11:45	Essid Safaa	Interaction of copper with silanol nests in silicalite nanocrystals: Evidence from FTIR and CO adsorption study	Structure and Structural Analysis
APC - D4 - O6	11:45-12:00	Mukherjee Taritra	Raman-MCR can be used to study solvation shells in particle dispersions	Structure and Structural Analysis
Lunch				
APC - D4 - O7	14:00-14:15	Mesquita Raquel	Microfluidic paper-based devices for public health biomarkers monitoring	Sensors / Biosensors
APC - D4 - O8	14:15-14:30	Puricelli Simone	H2 isotopologues chromatographic separation on metal oxides	
APC - D4 - O9	14:30-14:45	Spileers Gaëlle	X-Ray Fluorescence as a novel, flow-through, element-based detector for universal quantification in Liquid Chromatography	
APC - D4 - O10	14:45-15:00	Pobat Tatsiana	Toward an Innovative Portable MicroNIR/Chemometric Strategy for the Determination of Disinfection Byproducts in Water	
Posters				
APC - D4 - P01		Zarini Lorenzo	A polymer-based surface functionalization strategy for DNA immobilization on gold electrodes	
APC - D4 - P02		Romero-Alfano Irene	Untargeted metabolomics in Daphnia magna reveals pharmaceutical-driven metabolic disruptions in urban WWTP effluents	
APC - D4 - P03		Hab fatma zahra	Physicochemical Basis of pH-Triggered Quercetin Release from Liposomal Membranes	
APC - D4 - P04		Soyseven Murat	Artificial Intelligence-Assisted Optimization of an HPLC Method for the Determination of Levetiracetam and Piracetam	
APC - D4 - P05		Deng Shubin	Exciton Spatiotemporal Imaging: From Classical Diffusion to Quantum Correlations	
APC - D4 - P06		Alegria Carrasco Pancorbo	Untargeted UHPLC-IMS-MS Metabolomics Reveals Genotype-Dependent Chemical Diversity among Avocado Varieties	
APC - D4 - P07		Alegria Carrasco Pancorbo	Postharvest Storage and On-Tree Maturation Drive Distinct Carbohydrate Signatures in Hass Avocado	
APC - D4 - P08		Ann-Christin Seidl	Surfactant-free Microemulsions in Surface Cleaning	
APC - D4 - P09		Clara Ernst	Characterization of Tristyrylphenol Ethoxylate Surfactants	
APC - D4 - P10		Ginevra Vigni	Development and Optimization of Lipid Nanocarrier Systems for Agri-food Biowaste	
APC - D4 - P11		Donghun Kim	One-Pot Multisubstrate Screening for Asymmetric Catalysis Enabled by 19F NMR-Based Simultaneous Chiral Analysis	