

Monday Posters



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Antwerp, Belgium

**10th EuChemS
Chemistry Congress**

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12 - 16 July 2026

EuChemS **kvcv**

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CBF-D1 - F02	945	Raffaello Nardin	Geographical fingerprinting of Wine: Multi-technique approach and signal masking effects
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MDR - D1 - P12	496	George Costache	Multistate photoswitches containing arylazopyrazole and N-acylhydrazone units
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MDR - D1 - P18	630	Oleksandr Grygorenko	Stability of Heteroaromatic Sulfonyl Chlorides and Fluorides
MDR - D1 - P19	635	Letícia D. Costa	Novel 2-pyridyl functionalized thiazolo[5,4-c]isoxanines as selective chemosensors for metal cations
MDR - D1 - P20	1010	Leha Dmytro	Difluoromethoxy Group as a New MedChem Handle
MDR - D1 - P27	869	Mohammad Usman	Catalytic ammonia oxidation mediated by high-spin Fe(III) complex: combined experimental and DFT study
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RC - D1 - F03	1369	Iwona Maciejowska	The ECTN Eurolecturer Academy: A European Platform for Teaching Innovation and Professional Development in Chemistry Higher Education
RC - D1 - F04	1093	Silke Fähnemann	Educating Future Chemists for Sustainable Transformation: Digital and Competency-Based Approaches across Vocational and Higher STEM Education
RC - D1 - F05	1650	Dorien Baeten	Sustainability Hackathon: Bridging the Gap between Higher Education and Society

Tuesday Posters



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CODE	Abstract ID	Presenter	Title
APC - D2 - F01	1211	Scovacricchi Teresa	Graph-Based Clustering of Isotopic Patterns in High-Resolution MALDI-MSI Using Matrix Distances
APC - D2 - F02	1227	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	1401	Piscitelli Fabiana	Integrating IC-MS and maldi-2 MS imaging to map brain region specific distribution of endocannabinoids and their congeners
APC - D2 - F05		Jeonahun Kim	TiO ₂ -Supported Ru-Fe Catalysts for the Hydrodeoxygenation of Bis(2-hydroxyethyl) Terephthalate (BHET) Prepared by the Glycolysis of Polyethylene Terephthalate (PET)
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APC - D2 - P02	815	Ortega Khianne Ed Miguel Pajarillo	Interactions of engineered silica nanoparticle-bound PFOA: adsorption and toxicological effects on pulmonary health
APC - D2 - P06	1017	Kim Yong-Kyoung	Determination of antimony species and analysis in various food using ICP-MS
APC - D2 - P07	1020	KAUR TARNEVER	Thermodynamics studies of L-threonine in aqueous1-butyl-3-methylimidazolium chloride solutions over the temperature range T=(288.15-318.15) K
APC - D2 - P08	1031	Verdin Alexandre	Controlling Gold Nanoparticles Aggregation in Continuous Flow Microreactor for Robust Production of Ultrasensitive NIR SERS Nanotags
APC - D2 - P10	1071	Panda Soumya Ranjan	Spacer-mediated Interplay of Triplet Excitons in Delayed Fluorescent Emitters
APC - D2 - P11	1142	Smolková Vendula	Analytical strategy for speciation-resolved monitoring of labile arsenic using passive sampling and HPLC-ICP-MS
APC - D2 - P13	1416	Brum Malta Luiz Fernando	Cyclodextrin-coumarin complexes as corrosion inhibitors of carbon steel 1020 in acid medium
CAI - D2 - F01	345	Ekmekci Cumhur Gokhan	Structure-based discovery of NLRP3 inflammasome inhibitors: an integrated computational approach combining virtual screening, molecular dynamics, and binding free energy calculations
CAI - D2 - F02	346	Ekmekci Cumhur Gokhan	Structure-based identification of novel USP7 inhibitors targeting the p53-MDM2 axis: a computational approach for anticancer drug discovery
CAI - D2 - F03	347	Leherte Laurence	Mimicking the effect of displacement parameter and crystallographic resolution on the topology of electron density distributions: application to non-covalent interactions
CAI - D2 - F04	525	Lipin Raju	How Subsurface Carbon Affects Hydrogen Interactions at Transition Metal Electrodes
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CAI - D2 - F06	636	Sulkova Katarina	FNDMC as a tool for quantifying static and dynamic electron correlation in complex systems
CAI - D2 - F07	570	Andrae Dirk	Accurate property data for small molecules from theory
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CAI - D2 - P01	423	Sheu Sheh-Yi	Molecular quantum computer
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Wednesday Posters

 Antwerp, Belgium

**10th EuChemS
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CCS - D3 - P11	1595	Kevin Bucher	Iron-porphyrin Catalyzed Deaminative Hydrobenzylation of Alkenes using Redox-active Pyridinium Salts
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CCS - D3 - P23	1669	Erdali Ayse Dilay	From Isolated Rh Single Atom Catalytic Sites to Cooperative Single Atom Ensembles: Tuning Catalytic Pathways in CO ₂ and Ethanol Interactions
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EES - D3 - F08	1182	Tayyebi Ahmad	Photoelectrochemical Solar Ammonia Production
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EES - D3- P021	1156	Jose Javier Delgado-Marin	High-Temperature Operation of Vacuum Tube Solar Collectors Using Ionic Liquids
EES - D3- P022	1161	Arcangelo Celeste	Synthesis-Route Effects on Competing Phase Formation in Na _{0.67} Mn _{0.75} Ni _{0.25} O ₂
EES - D3- P023	1164	Manuel Alejandro Andino Enriquez	Matrix Dependent Photochemical Transformation of Sulfamethoxazole in Natural and Managed Waters

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EES - D3- P041	1560	Paula Barbosa	Silk Fibroin Solid Electrolyte Membranes for Sustainable Sodium-Ion Batteries
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IM - D3 - P07	1350	Ruiz Guerrón Juan Francisco	Polymerization of Malononitrile Dimer: A New Route for Construction of Nitrogen-Rich Polytriazines with Functional Properties
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IM - D3 - P13	1751	Semih Macit	Dual crosslinked printable chitosan/PEG/γ-cyclodextrin hydrogels with tunable rheological properties
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MDR - D3 - P01	1070	Cristian Andrei Spinu	Nitronyl nitroxide stable radicals derived from nitro-o-vanillin and bisphenol A as ligands towards 3d and 4f metal ions

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MDR - D3 - P06	1154	Martin Hutereau	Identifying promising low-fluorine weakly coordinating anions for lithium-ion batteries via high-throughput screening
MDR - D3 - P07	1174	Karim Ullah	Perfluorooxosulfate Salts as SOF ₄ -Gas-Free Precursors to Multidimensional SuFEx Electrophiles
MDR - D3 - P08	1194	Luiz Carlos Silva-Filho	Expanding Visible-Light Photopolymerization: Azapentalene Derivatives for Methacrylate and Biobased Acrylic Systems
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MDR - D3 - P13	1271	Anna-Marlene Vogt	Investigation of mononuclear molybdenum and tungsten complexes with pentaphosphine environment for activation of dinitrogen and catalytic ammonia synthesis
MDR - D3 - P14	1272	Aleksandar Pashev	Angular substituted dibenzo[a,g]quinolizidines – synthesis and DPP-IV inhibitory activity
MDR - D3 - P15	1277	Teodora Aleksandrova	Novel heterocyclic derivatives based on the [1,4]thiazino[3,4-a]isoquinoline ring system – molecular design, synthesis and DPP-IV inhibitory activity
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MDR - D3 - P17	1750	Merve Ercan Ayra	The effect of PEG localization and charge density on transfection ability of artificial gene delivery vectors
MDR - D3 - P18	1417	Jaqueline Senra	Exploratory studies on the mechanosynthesis of the copper(II) cyclodextrin complex
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Thursday Posters

 Antwerp, Belgium

**10th EuChemS
Chemistry Congress**

euchems2026.eu **12 - 16 July 2026**



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APC - D4 - P06	1651	Alegria Carrasco Pancorbo	Untargeted UHPLC-IMS-MS Metabolomics Reveals Genotype-Dependent Chemical Diversity among Avocado Varieties
APC - D4 - P07	1652	Alegria Carrasco Pancorbo	Postharvest Storage and On-Tree Maturation Drive Distinct Carbohydrate Signatures in Hass Avocado
APC - D4 - P08	1657	Ann-Christin Seidl	Surfactant-free Microemulsions in Surface Cleaning
APC - D4 - P09	1658	Clara Ernst	Characterization of Tristyrylphenol Ethoxylate Surfactants
APC - D4 - P11	1674	Donghun Kim	One-Pot Multisubstrate Screening for Asymmetric Catalysis Enabled by 19F NMR-Based Simultaneous Chiral Analysis
CAI - D4 - F01	1263	Weiser Jonas	Towards automated ensemble-averaged kinetics of reverse intersystem crossing in flexible TADF emitters
CAI - D4 - F02	1352	Shekiladze Ilona	From Nature's Layers to Neural Layers: An AI and Machine Learning Approach to Tomato Preservation via an Edible Pseudoprotein Coating
CAI - D4 - F03	1491	Kuchenbecker Vinicius	Theoretical study of collision induced dissociation mechanism for PO3G 77-59 m/z ion: When MS2 Energy Data and Quantum Chemistry reveals hidden molecular structures
CAI - D4- P01	1479	Žagar Leon	Model Order Reduction of CFD Model for Membrane Distillation
CAI - D4- P02	1573	Yaşar Nesrin Işıl	Cross-validated screening of natural products targeting two distinct functional sites of the bacterial ribosome: An in-silico study
CAI - D4- P03	1683	Francisca Salas	Beyond Bulk Aggregation: Interfacial Chloride Recognition by Triazolophane on Graphene
CAI - D4- P04	1703	Carl Schiebroke	Balancing Data Quantity and Quality: Evaluating Curation Strategies for Bioactivity Prediction
CAI - D4- P05	1764	Umair Khan	Unified data-driven flow regime identification in horizontal and vertical multiphase pipe flows using dynamic pressure signals
CBF-D4 - F01	472	Mihai-Alexandru Molența	Design and synthesis of lipid substrates for sterol imaging
CBF-D4 - F02	478	Magdi El Fergani	Synthesis and Characterization of Novel Rhodamine and Coumarin-based Fluorophores
CBF-D4 - F03	644	Inês Ferreira	De novo analytical chemistry approaches for collagen and polyphenol characterization in <i>Physalia physalis</i>
CBF-D4 - F05	804	Lucio Spinelli	PEGylation-Driven Remodeling of the Protein Corona on PLGA Nanoparticles: Implications for Macrophage Recognition
CBF-D4 - F08	264	Konrad Barnowski	Synergistic cancer therapy targeting LAG-3&PD-L1 through co-administration of flavonoid and durvalumab
CBF-D4 - P01	1516	Paola Montoro	High-Resolution Mass Spectrometry: Unlocking the Chemical Complexity of Xylem Sap
CBF-D4 - P02	1547	Lavinia Klement	Stability meets Mobility: N-Heterocyclic Carbene-based Tethers for Functional Biomimetic Membranes
CBF-D4 - P03	1564	Ankita Borah	Effect of noscapine hydrochloride on the near-infrared optical properties of indocyanine green
CBF-D4 - P04	1576	Cláudia Lopes	Lead-silica interactions in food additive E551: concentration-dependent effects on surface charge and colloidal stability
CBF-D4 - P05	1607	Ramla Khiari	Effect of drying methods and pretreatments on the carbohydrate profile of Pingo de Mel figs
CBF-D4 - P06	1638	Malgorzata Starowicz	The Effect of Processing Technology on the Content of Acrylamide, Amino Acids, and Reactive Dicarbonyl Compounds Formed During Bread Baking
CBF-D4 - P07	1644	Aziziyan Fatemeh	Mining for Novel Tryptophanase A: extremophilic organisms <i>Ardenticatena maritima</i> and <i>Haloarcula japonica</i> as alternative to <i>E. Coli</i> in the synthesis of tryptophan analogues
CBF-D4 - P08	1671	Sobhi Khaled	Implementation and Optimization of automated computer processing tools for a bi-instrumental Systematic Toxicological Analysis strategy using HPLC-DAD and GC-MS
CBF-D4 - P09	1688	Schäfer Evelin	Membrane organoid chips for programmable growth of stem cells
CBF-D4 - P10	1705	Gawor Andrzej	Proteomics in the Multi-Omics Era: A Key to Safer Drugs and Deeper Disease Insights
CBF-D4 - P11	1728	Bulska Ewa	PATHFOOD: From Soil to Health. Analytical Chemistry Driving Selenium-Enriched Functional Foods
CBF-D4 - P12	1735	Hanschen Franziska	Identification of Isothiocyanate-Hydrolase Candidate Proteins by in silico Modelling
CCS - D4 - P04	1715	Sukserm Supichcha	Modification of Ni/Al ₂ O ₃ catalysts by incorporating graphitic carbon quantum dots (CQDs) for selective CO ₂ hydrogenation to CO
CCS - D4 - P07	798	Yogendra Kumar	Sustainable synthesis of 2,4,6-trisubstituted pyridines using surface-modified PET@UiO-66 vials

CCS - D4 - P18	198	Farhan Arshad	Bubbles Templated Porous CeSe ₂ /Co ₃ Se ₄ Heterostructures Supported on Ni Foam for CO ₂ -free Selective Methanol Oxidation to Enhance Green Hydrogen Production
CCS - D4 - P22	598	Sreenidhi M Varma	4,4'-oxybis-benzoic acid-based Pristine MOFs as reusable, heterogeneous catalyst for Hydrogenation Reactions
CCS - D4 - P25	1760	Bastian Schaal	Dehydrogenation of Methanol to Methyl Formate using CuO/CuAl ₂ O ₄ /Al ₂ O ₃ -catalysts
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EES - D4 - F04	1481	Bonitz Lena	Polyhalite Stability in Salt Solutions at 25 °C : A Long-Term Investigation
EES - D4 - F05	1492	Faria Joaquim	Light-matter interactions in carbon nitride-based photocatalysis
EES - D4 - F06	1540	Buchinger Richard	Enhancing Faradaic Efficiency in Electrochemical CO ₂ reduction via Fermentation-derived Acid Intermediates
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EES - D4- P003	1493	Hagen Fiebig	Phase Stability and Thermodynamic Properties of Magnesium Carbonates in Salt Solutions
EES - D4- P004	1509	Smain Camilia Nafissa	Removal of metallic fragments from waste generated during photovoltaic cell manufacturing
EES - D4- P005	1519	Tia Ansell	Identifying complexing agents for the selective binding of Pb ²⁺ released during perovskite solar cell degradation
EES - D4- P006	1521	Timothy Vadas	Comparison of hydrogel coated ion selective solid-state electrodes for nitrate measurements in soil
EES - D4- P007	1566	Sharad Kumar Sachan	Monoatomic copper-anchored UiO-66-NH ₂ as a mechanistically defined Lewis acid catalyst for CO ₂ cycloaddition and enantioselective Strecker synthesis
EES - D4- P008	1567	Bezayet Tesfaye	Scale-up, shaping, and catalytic performance of MIL-100(Fe) in propane oxidation
EES - D4- P009	1577	Cláudia Lopes	Clay-based platforms for REE recovery: selective adsorption, regeneration and magnetic separation
EES - D4- P010	1580	Jose Luis Díaz De Tuesta	Activated carbon production from exhaustive olive pomace: simulation process and autothermal pyrolysis
EES - D4- P011	1582	Arda Altan	Synthesis and Characterization of Lithium Metal Phosphates in Various Solvents
EES - D4- P012	1585	Anamika Res. Scholar, Chemical Engg. & Tech., IIT(BHU)	Integrated zeolite membrane and Cu-ZnO-Al ₂ O ₃ catalyst for intensified CO ₂ -to-methanol conversion
EES - D4- P013	1597	William De Rezende Locatel	Kinetic Analysis and Multiscale Hydrolysis of Reinforced PET and PBT Plastics: Innovative Process Configurations for Enhanced Monomer Recovery
EES - D4- P014	1642	Naimat Ullah	Electroreduction of CO ₂ to C ₁ and C ₂ products on Dual Active Sites
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EES - D4- P016	1656	Jayasekara Neranjan	Comparative Assessment of Microplastic Accumulation in Upper Catena Fisheries of the Kothmale Reservoir, Sri Lanka
EES - D4- P017	1663	Chun Sangeun	Tailored-Shell Hollow TiO ₂ Spheres with Reduced Tortuosity for Fast-Charging Anode
EES - D4- P018	1665	Tayyab Muhammad	Regulating redox sites for photocatalytic phenylcarbinol conversion and H ₂ production on lattice-matched Schottky junction
EES - D4- P019	1682	Holthuijsen Matthijs	Revealing battery interface chemistry with spectroscopy
EES - D4- P020	1687	Bayazit Şahika Sena	Investigation of MOF Derived NASICONs for Capacitive Deionization Application
EES - D4- P021	1689	Nikiforov Vladimir	Proposal for restriction on difluoromethylene substances aka "universal PFAS restriction": chemical analysis
EES - D4- P022	1691	Kim Do Hwan	Electronic Structure Engineering via Atomic W Doping in NiO/Cr ₂ S ₃ Nanotube Heterostructures for Enhanced Overall Water Splitting
EES - D4- P023	1694	Kerkez Kuyumcu Özge	Ti/Fe-Based MOF Photocatalysts for Efficient Solar-Driven Dye Removal
EES - D4- P024	1695	Mihet Maria	Fine-tuning the Supercapacitor's performance with EPR spectroscopy
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IM - D4 - P02	1486	Ös Muratcan	Two Salt-Surfactant Mesophases: Synthesis of Mesoporous MgM ₂ O ₄ (M=Mn, Fe and Co) Electrodes and Their Electrochemical Properties
IM - D4 - P03	1551	Saka Ece Tugba	Calcone-Schiff Base Hybride Coated Titanium Surfaces With Light-Induced Antibacterial Activity
IM - D4 - P04	1578	Diaz De Tuesta Jose Luis	Impact of PZA Incorporation on the thermal stability, carbon yield, and electrical conductivity of 3D-printed polymer-derived carbons
IM - D4 - P05	1586	Delaney Colm	3D Printing of Nanocomposites-some assembly required
IM - D4 - P06	1627	Salinas Soler Yolanda	Silica-based degradable micromotors with potential environmental and health impact
IM - D4 - P07	1654	Abhijit Nag	Efficient Dissolution and Selective Recovery of Gold from Electronic Waste Using a Recyclable Ionic Medium
IM - D4 - P08	1677	Ilma Amalina	Magnetically Induced Drug Release from Doxorubicin-Loaded Niosome Nanocarriers
IM - D4 - P09	1711	Abdilla Roderick	Exploring composite hydrogel systems using solid state NMR
IM - D4 - P10	1714	Marina Piacenti-Silva	A Multifunctional Nitrogen-Doped Magnetic Graphene Oxide Nanocomposite Prepared by One-Step Microwave-Assisted Synthesis
MDR - D4 - P01	1427	Yong Rok Kwon	Molecular design of acrylic polymers for controlling the damping behavior of epoxy composites
MDR - D4 - P02	1455	Ben Clarke	The Design & Synthesis of Fluorescent Self-Assembled Monolayers for Optical Applications
MDR - D4 - P03	1456	Arne Hendrickx	Synthesis and Evaluation of Boronate Precursors for Stable Astatine Radiopharmaceuticals. Ring-Opening Polymerization of δ -Tetradecalactone for Oil-Soluble Poly(ester) Lubricant Additives with Tunable Molecular Weight
MDR - D4 - P04	1494	Hae Chan Kim	
MDR - D4 - P05	1495	Sue Been Lee	Epoxy-terminated Polyurethanes as Effective Toughening Agents for Epoxy Molding Compounds
MDR - D4 - P06	1502	Sun Ho Seok	Toughening Effect of Core-shell Impact Modifiers on Epoxy Resin Maintaining Thermal Stability
MDR - D4 - P07	1503	Yuki Kurashige	Theoretical Design Principles for Spin-Selective Relaxation in Photoexcited Metal Complexes
MDR - D4 - P08	1507	Min Jin Seong	Improving the Toughness of Electronic Adhesives through Epoxy-Acrylic Hybridization
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MDR - D4 - P10	1563	Sean Betteridge	Structure Activity Relationship Directed Development of an Internal standard for an Electrochemical Fentanyl Detector.
MDR - D4 - P11	1589	Ayşe Zeyneb Erten	Monomer structure and feed protocol effects on microstructure and processing of resorcinol based polyarylates A Mechanochemical Kolbe-Schmitt reaction: Catechol Carboxylation Provides Building Blocks for Renewable Plasticizers
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MDR - D4 - P13	1629	Devendra Yadav	Two Electrons in a Li-S Cage: A Novel Lithium Cubic Electride - [(tBu ₂ MeSiS) ₆ Li ₈] ₂ +•2e ⁻
MDR - D4 - P14	1660	Zareen Khaleel	Expanding Drug-Relevant Chemical Space Through Pt-Au Bimetallic Catalysis Malonic-Type Macrocyclic Esters from Catechol-Derived Propargyl Diols: Effect of Catechol Substituents on Reactivity
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MDR - D4 - P19	1720	Kim Eunae	Synthesis of Mevalonate Derivatives via LiNTf ₂ catalyzed Mukaiyama Aldol Reaction
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