

Posters		
APC - D4 - P01	Zarini Lorenzo	A polymer-based surface functionalization strategy for DNA immobilization on gold electrodes
APC - D4 - P05	Deng Shibin	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 ¹⁹ F NMR-Based Simultaneous Chiral Analysis
APC - D4 - P12	Naser Al-Tannak	Development and Validation of an LC-MS/MS Method for the Simultaneous Determination of Alprazolam, Bromazepam, Clonazepam, Diazepam and Flunitrazepam in Human Urine and Its Application to Samples from Suspected Drug Abusers
CAI - D4 - F01	Weiser Jonas	Towards automated ensemble-averaged kinetics of reverse intersystem crossing in flexible TADF emitters
CAI - D4 - F02	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	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	Žagar Leon	Model Order Reduction of CFD Model for Membrane Distillation
CAI - D4 - P02	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	Francisca Salas	Beyond Bulk Aggregation: Interfacial Chloride Recognition by Triazolophane on Graphene
CAI - D4 - P04	Carl Schiebroek	Balancing Data Quantity and Quality: Evaluating Curation Strategies for Bioactivity Prediction
CAI - D4 - P05	Umair Khan	Unified data-driven flow regime identification in horizontal and vertical multiphase pipe flows using dynamic pressure signals

Posters		
CBF - D4 - F01	Mihai-Alexandru Molența	Design and synthesis of lipid substrates for sterol imaging
CBF - D4 - F02	Magdi El Fergani	Synthesis and Characterization of Novel Rhodamine and Coumarin-based Fluorophores
CBF - D4 - F03	Inês Ferreira	De novo analytical chemistry approaches for collagen and polyphenol characterization in Physalia physalis
CBF - D4 - F05	Lucio Spinelli	PEGylation-Driven Remodeling of the Protein Corona on PLGA Nanoparticles: Implications for Macrophage Recognition
CBF - D4 - F08	Konrad Barnowski	Synergistic cancer therapy targeting LAG-3&PD-L1 through co-administration of flavonoid and durvalumab
CBF - D4 - P01	Paola Montoro	High-Resolution Mass Spectrometry: Unlocking the Chemical Complexity of Xylem Sap
CBF - D4 - P02	Lavinia Klement	Stability meets Mobility: N-Heterocyclic Carbene-based Tethers for Functional Biomimetic Membranes
CBF - D4 - P03	Ankita Borah	Effect of noscapine hydrochloride on the near-infrared optical properties of indocyanine green
CBF - D4 - P04	Cláudia Lopes	Lead-silica interactions in food additive E551: concentration-dependent effects on surface charge and colloidal stability
CBF - D4 - P05	Ramla Khiari	Effect of drying methods and pretreatments on the carbohydrate profile of Pingo de Mel figs
CBF - D4 - P06	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	Aziziyan Fatemeh	Mining for Novel Tryptophanase A: extremophilic organisms Ardicatena maritima and Haloarcula japonica as alternative to E. Coli in the synthesis of tryptophan analogues
CBF - D4 - P08	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	Schäfer Evelin	Membrane organoid chips for programmable growth of stem cells
CBF - D4 - P10	Gawor Andrzej	Proteomics in the Multi-Omics Era: A Key to Safer Drugs and Deeper Disease Insights
CBF - D4 - P11	Bulska Ewa	PATHFOOD: From Soil to Health. Analytical Chemistry Driving Selenium-Enriched Functional Foods
CBF - D4 - P12	Hanschen Franziska	Identification of Isothiocyanate-Hydrolase Candidate Proteins by in silico Modelling

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CBF - D4 - P13	João António	Click! Bioconjugate! Release!: A Unified Diazaborine Platform for Stimuli-Responsive Therapeutics
CCS - D4 - P04	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	Yogendra Kumar	Sustainable synthesis of 2,4,6-trisubstituted pyridines using surface-modified PET@UiO-66 vials
CCS - D4 - P18	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	Sreenidhi M Varma	4,4'-oxybis-benzoic acid-based Pristine MOFs as reusable, heterogeneous catalyst for Hydrogenation Reactions
CCS - D4 - P25	Bastian Schaal	Dehydrogenation of Methanol to Methyl Formate using CuO/CuAl ₂ O ₄ /Al ₂ O ₃ -catalysts
EES - D4 - F02	Monir Mohammad	A Systematic Computational Screening for Discovery of Low-Cost, Sustainable Thermochemical Heat Storage Materials
EES - D4 - F03	Rita Veloso	Presodiation as a key strategy for stabilizing sodium-ion batteries
EES - D4 - F04	Bonitz Lena	Polyhalite Stability in Salt Solutions at 25 °C : A Long-Term Investigation
EES - D4 - F05	Faria Joaquim	Light-matter interactions in carbon nitride-based photocatalysis
EES - D4 - F06	Buchinger Richard	Enhancing Faradaic Efficiency in Electrochemical CO ₂ reduction via Fermentation-derived Acid Intermediates
EES - D4 - F10	Ramackers Augustin	Bimetallic Anionic Organic Frameworks with Solid-State Cation Conduction for Charge Storage Applications
EES - D4 - F11	Alessandra Imbrogno	Green and Wearable Energy Storage: Fully Sustainable Solid-State Supercapacitors Using Pectin Derived Laser okInduced Graphene and Pectin Electrolyte Systems
EES - D4- P001	Emilia Kazek	Treatment of poly(vinyl chloride) and study of its pyrolysis outcomes
EES - D4- P002	Safyan Akram Khan	High Performance Steam Methane Reforming via Tuned Metal Support Interactions in NiMg-Yb ₂ O ₃ sesquioxide: Activity, Stability, and Coke Resistance
EES - D4 - P003	Hagen Fiebig	Phase Stability and Thermodynamic Properties of Magnesium Carbonates in Salt Solutions
EES - D4- P004	Smain Camilia Nafissa	Removal of metallic fragments from waste generated during photovoltaic cell manufacturing

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EES - D4- P005	Tia Ansell	Identifying complexing agents for the selective binding of Pb ²⁺ released during perovskite solar cell degradation
EES - D4- P006	Timothy Vadas	Comparison of hydrogel coated ion selective solid-state electrodes for nitrate measurements in soil
EES - D4- P007	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	Bezayet Tesfaye	Scale-up, shaping, and catalytic performance of MIL-100(Fe) in propane oxidation
EES - D4- P009	Cláudia Lopes	Clay-based platforms for REE recovery: selective adsorption, regeneration and magnetic separation
EES - D4- P010	Jose Luis Diaz De Tuesta	Activated carbon production from exhaustive olive pomace: simulation process and autothermal pyrolysis
EES - D4- P011	Arda Altan	Synthesis and Characterization of Lithium Metal Phosphates in Various Solvents
EES - D4- P012	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	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	Naimat Ullah	Electroreduction of CO ₂ to C ₁ and C ₂ products on Dual Active Sites
EES - D4- P015	Nag Abhijit	Efficient Dissolution and Selective Recovery of Gold from Electronic Waste Using a Recyclable Ionic Medium
EES - D4- P016	Jayasekara Neranjan	Comparative Assessment of Microplastic Accumulation in Upper Catena Fisheries of the Kothmale Reservoir, Sri Lanka
EES - D4- P017	Chun Sangeun	Tailored-Shell Hollow TiO ₂ Spheres with Reduced Tortuosity for Fast-Charging Anode
EES - D4- P018	Tayyab Muhammad	Regulating redox sites for photocatalytic phenylcarbinol conversion and H ₂ production on lattice-matched Schottky junction
EES - D4- P019	Holthuijsen Matthijs	Revealing battery interface chemistry with spectroscopy
EES - D4- P020	Bayazit Şahika Sena	Investigation of MOF Derived NASICONs for Capacitive Deionization Application
EES - D4- P021	Nikiforov Vladimir	Proposal for restriction on difluoromethylene substances aka "universal PFAS restriction": chemical analysis

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EES - D4- P022	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	Kerkez Kuyumcu Özge	Ti/Fe-Based MOF Photocatalysts for Efficient Solar-Driven Dye Removal
EES - D4- P024	Mihet Maria	Fine-tuning the Supercapacitor's performance with EPR spectroscopy
EES - D4- P025	Aydın Yasar Andelib	Valorisation of waste tea leaves and egg shells in carbon nanodot synthesis
EES - D4- P026	Pigot Corentin	Bioinspired catalysts for photoelectrochemical solar energy conversion
EES - D4- P027	Ferraz Gabriel	Atmospheric microplastics in a Brazilian elementary school and true-to-life PET-associated internalization and mitochondrial dysfunction in lung-relevant models
EES - D4- P028	Napier Rachel	Optimising reaction efficiency with surfactants
EES - D4- P029	Chen Qi	Revealing the Extraction and Coordination Behavior of Novel Cyclohexyl o-oxydiamides ligand toward Pu(IV)
EES - D4- P030	Yan Taihong	Selective Extraction of Plutonium(IV) by Novel Diphenylpyridine Diamide Extractants
EES - D4- P031	Wang Wentao	A Green and Efficient Aqueous LLPS Platform for Metal Ion Separation
EES - D4- P032	Wong Ping Keung	Green Extractive Desalination with Designer Green Solvents for Freshwater Production
EES - D4- P033	Shahid Ali	MXene-Promoted Ni-Based Bimetallic Catalysts on CeO ₂ -ZrO ₂ for Efficient Hydrogen Production via Steam Methane Reforming
EES - D4- P034	Daouia Ingrachen	Natural Algerian Diatomite as a Low-Cost Adsorbent for Bezacryl Yellow Dye Removal
EES - D4- P035	Elsayed Mohamed	Enhanced Photocatalytic Hydrogen Evolution via Broad Visible-Light Harvesting in g-C ₃ N ₄ /Polymer Heterostructures
EES - D4- P036	Alsultan Abdullah	Energy-Efficient and Sustainable Water Desalination Using Flow Electrode Deionization with Enhanced Charge and Ion Transfer
EES - D4- P037	Gilleece Grainne	Graphene Quantum Dot-Based Nanostructured Electrodes For Advanced Sodium Ion Batteries
EES - D4- P069	Bhatti Umair Hassan	Functionalized glucose-derived carbon spheres for low-temperature CO ₂ capture

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IM - D4 - F02	Maria Gutiérrez-Blanco	Molybdenum sulfide - chitosan hydrogels as model platforms for the delivery of Antibody-Drug Conjugates
IM - D4 - F04	Albert Serrà Ramos	Electrospun TiO ₂ / BiOI heterostructured nanofibers for solar-driven water decontamination
IM - D4 - F05	Sama Al Jintan	Uncovering synthesis-structure-function relationships in ZnFe ₂ O ₄ @TiO ₂ Z-scheme photocatalysts
IM - D4 - P01	Ozmen Pinar	Enhancing the Flame Retardant Performance of Expandable Polystyrene Using Halogen-Free Additives and Synergists
IM - D4 - P02	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	Saka Ece Tugba	Calcone-Schiff Base Hybride Coated Titanium Surfaces With Light-Induced Antibacterial Activity
IM - D4 - P04	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	Delaney Colm	3D Printing of Nanocomposites-some assembly required
IM - D4 - P06	Salinas Soler Yolanda	Silica-based degradable micromotors with potential environmental and health impact
IM - D4 - P07	Abhijit Nag	Efficient Dissolution and Selective Recovery of Gold from Electronic Waste Using a Recyclable Ionic Medium
IM - D4 - P08	Ilma Amalina	Magnetically Induced Drug Release from Doxorubicin-Loaded Niosome Nanocarriers
IM - D4 - P09	Abdilla Roderick	Exploring composite hydrogel systems using solid state NMR
IM - D4 - P10	Marina Piacenti-Silva	A Multifunctional Nitrogen-Doped Magnetic Graphene Oxide Nanocomposite Prepared by One-Step Microwave-Assisted Synthesis
IM - D4 - P11	Faizah Altaf	Multifunctional Novel Materials for CO ₂ Capture and Nutrient Delivery: Advanced Soil Amendments to Enhance Soil Health and Crops Growth
IM - D4 - P22	Aad Rony	Systematic functionalization of silk sericin via acetylation: a design of experiments approach toward sustainable biomaterials
MDR - D4 - P01	Yong Rok Kwon	Molecular design of acrylic polymers for controlling the damping behavior of epoxy composites
MDR - D4 - P02	Ben Clarke	The Design & Synthesis of Fluorescent Self-Assembled Monolayers for Optical Applications

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MDR - D4 - P03	Arne Hendrickx	Synthesis and Evaluation of Boronate Precursors for Stable Astatine Radiopharmaceuticals.
MDR - D4 - P04	Hae Chan Kim	Ring-Opening Polymerization of δ -Tetradecalactone for Oil-Soluble Poly(ester) Lubricant Additives with Tunable Molecular Weight
MDR - D4 - P05	Sue Been Lee	Epoxy-terminated Polyurethanes as Effective Toughening Agents for Epoxy Molding Compounds
MDR - D4 - P06	Sun Ho Seok	Toughening Effect of Core-shell Impact Modifiers on Epoxy Resin Maintaining Thermal Stability
MDR - D4 - P07	Yuki Kurashige	Theoretical Design Principles for Spin-Selective Relaxation in Photoexcited Metal Complexes
MDR - D4 - P08	Min Jin Seong	Improving the Toughness of Electronic Adhesives through Epoxy-Acrylic Hybridization
MDR - D4 - P09	Vishakha Goyal	General and selective ruthenium-catalyzed hydrogenation of primary amides to primary amines under mild conditions
MDR - D4 - P10	Sean Betteridge	Structure Activity Relationship Directed Development of an Internal standard for an Electrochemical Fentanyl Detector.
MDR - D4 - P11	Ayşe Zeyneb Erten	Monomer structure and feed protocol effects on microstructure and processing of resorcinol based polyarylates
MDR - D4 - P12	Bert U.W. Maes	A Mechanochemical Kolbe-Schmitt reaction: Catechol Carboxylation Provides Building Blocks for Renewable Plasticizers
MDR - D4 - P13	Devendra Yadav	Two Electrons in a Li-S Cage: A Novel Lithium Cubic Electride - $[(tBu_2MeSiS)6Li_8]^{2+} \cdot 2e^-$
MDR - D4 - P14	Zareen Khaleel	Expanding Drug-Relevant Chemical Space Through Pt-Au Bimetallic Catalysis
MDR - D4 - P16	Chojnacka Anna	Heck Coupling of 10,10'-Dibromo-9,9'-bianthracene with
MDR - D4 - P17	Lavoie Gino	Polymerizations Using Transition Metal Complexes of Monoanionic Bidentate Guanidine-Ethenolate, Phenolate, and Benzene Sulfonate Ligands
MDR - D4 - P18	Godinho Patrícia	Photoinduced Radical Cascade for the Synthesis of Enantiopure 2-Benzofuranyl C-Glycosides
MDR - D4 - P19	Kim Eunae	Synthesis of Mevalonate Derivatives via LiNTf2 catalyzed Mukaiyama Aldol Reaction
MDR - D4 - P20	Lee Garyeong	Mild Radical Construction of Tricyclic Tetrazoles via In Situ Diazotization
MDR - D4 - P21	Nam Ha Yun	Nazarov Cyclization of α -SCF3 Vinyl (Hetero)aryl Ketones Enabled by Trifluoromethylthio Group

