



Program Overview

Sunday, 20 July 2025	
Time	Rooms in the auditorium (A), Rooms in the Chemistry Department (DQ1, DQ2 and DQ3)
13:00 15:00	Registration (DQ1)
15:00	Opening Ceremony (DQ1)
15:30	Chair: Joaquim Faria and Jorge Parola (DQ1)
	LP1 – Prémio Ferreira da Silva Artur Silva (Universidade de Aveiro) <i>A Flavor of Four Decades of Synthetic Organic Chemistry towards Biologically Active Heterocyclic Compounds</i>
16:30	Chair: Carlos Geraldès and Joaquim Faria (DQ1)
	LP2 – Prémio Frausto da Silva João Rocha (CICECO, UA) <i>Still Believing in Science: A Chemist's 35-Year Voyage</i>
17:30	Chair: Jorge Parola
	New SPQ Image
19:00 20:30	Welcome Reception (Museu Machado de Castro)

Monday, 21 July 2025					
Time	Rooms in the auditorium (A), Rooms in the Chemistry Department (DQ1, DQ2 and DQ3)				
9:00	Chair: Jorge Parola (A)				
	LP3 – Davide Bonifazi (University of Vienna) <i>Aromatic Hydrocarbons Engaging with Light: Synthetic Strategies for Tailoring Properties</i>				
	10:00 CC1 – Clara Pereira (LAQV-REQUIMTE, UP) <i>Multifunctional Energy Harvesting and Storage Textile Technologies: Weaving the Future of Energy</i>				
10:30	CC2 – Mário Calvete (CQC-IMS, UC) <i>Photosensitizers in Action: Scalable Flow Synthesis and Oxidative (Photo)Catalytic Applications</i>				
11:00	Coffee Break				
DQ1	Chair: Dina Murtinho	DQ2	Chair: Amparo Faustino	DQ3	Chair: Clara Pereira
11:30	CO1 – Joana Lains (LSRE-LCM, UP) <i>Chestnut Burr – Derived Cellulose as a Functional Stabiliser in Pickering Emulsions</i>	11:30	CO5 – Daniela Teixeira (CQC, UC) <i>Advancing MRI Redox Probes: Solubility-Enhanced Mn Porphyrin for 19F and 1H Imaging</i>	11:30	COC1 – Hugo Rocha (UA) COC2 – Thomas Hietala (UL) COC3 – Simone Ferreira (UC) COC4 – Catarina Pinto (UC) COC5 – Catarina Ribeiro (UA) COC6 – Liliana Gomes (UNL) COC7 – Pedro Nazar (USP) COC8 – Margarida Cordeiro (UC) COC9 – Carolina Domingos (UC)
11:45	CO2 – Carmen Freire (DQ-UA) <i>Exploring the Combination of Amyloid Nanofibrils and Nanocellulose Fibers for the Design of Functional Nanomaterials</i>	11:45	CO6 – Filipe Morais (DQ-UA) <i>Metalloporphyrins design: a strategic approach to enhance photoantimicrobial efficiency</i>		
12:00	CO3 – Vasco Jesus (IP-Tomar) <i>New Inks Containing Silver Nanoparticles for Flexible Sensors, Synthesis and Characterization</i>	12:00	CO7 – Pedro Rosado (CQE, IST-UL) <i>Multi-omics mass spectrometry approaches to overcome MRSA antibiotic resistance</i>		
12:15	CO4 – Pedro Matias (CQC-IMS, UC) <i>High-performance triazine-based porous organic polymers for the remediation of sulfamethazine in water</i>	12:15	CO8 – Goreti Pereira (CESAM, UA) <i>Silver chalcogenides nanocrystals as amplifiers for surface-enhanced infrared absorption spectroscopy</i>	12:30	COC10 – Ariana Santos (UA)
12:30	Lunch Break				
13:45	Chair: Cristina Matos and Marta Pinheiro (A)				
	Prize – Woman Global Breakfast				
14:00	Chair: Mariete Pereira and Artur Valente (A)				
	LP4 – Troels Skrydstrup (Aarhus University) <i>Chemical Technologies for Closed-Loop Recycling of Thermoset Plastics</i>				
15:00	CC3 – Ana Clara Marques (IST-UL) <i>Engineered supported photocatalysts for solar light driven environmental remediation</i>				

15:30	CC4 – Andreia Valente (FC-UL) <i>Turning resistance into vulnerability: Ruthenium-cyclopentadienyl compounds against ABC transporter-driven chemoresistance</i>				
16:00 17:30	Coffee Break & Posters (CP1-CP70)				
DQ1	Chair: João Rodrigues	DQ2	Chair: João Pina	DQ3	Chair: Manuela Raposo
17:30	CO9 – Carla Vitorino (FFUC) <i>Enhancing glioblastoma treatment with pitavastatin and miRNA co-delivery via nanostructured lipid carriers</i>	17:30	CO13 – José Silva (CCMAR/CIMAR LA, UAlg) <i>Chemical and photochemical transformation of microplastics</i>	17:30	CO17 – Joana Azevedo (LAQV-REQUIMTE, UP) <i>Vegan cheeses – product development and physical-chemistry characteristics</i>
17:45	CO10 – Rita Barros (FEUP) <i>Dual-functional graphitic carbon nitride-based nanocarriers for cancer therapy</i>	17:45	CO14 – Paulo Barradas (CQC-IMS, UC) <i>A Cationic Pyrene-Based Ladder Polymer with Unexpected Dual-emission</i>	17:45	CO18 – Tiago Costa (FCUP) <i>Formulation and Development of Breakfast Cereals with Reduced Sugar and Improved Nutritional Properties</i>
18:00	CO11 – Teresa Perrone (FFUC) <i>Click-to-print gummies for pediatric brain tumors: drug release control via layered nanostructured lipid carriers</i>	18:00	CO15 – Catarina Viola (NOVA-UL) <i>Chalcone-Doped Zeolites as Near-Infrared Emitters for Advanced Anticounterfeiting Applications</i>	18:00	CO19 – Joana Oliveira (LAQV-REQUIMTE, UP) <i>Achieving a Dramatic Blue Colour Stability in Anthocyanins Bearing Acylated Sugars in Position 3',5'. A Thermodynamic and Kinetic Study</i>
18:15	CO12 – Anita Amorim (DQ-UC) <i>Use of a small cationic chlorin for Antimicrobial Photodynamic Therapy in clinical isolates from patients with DFIs</i>	18:15	CO16 – Joana Lopes (SRE-LCM, UP) <i>Visible-Light-Driven Photocatalysis: A Green Pathway for Organic Synthesis</i>	18:15	CO20 – Airam Roggero (BioSIM, UP) <i>Effects of Morin on Cell Membrane Fluidity: An Analysis of the Anti-inflammatory Efficacy of Flavonoids</i>
DQ1	Chair: Sara Pinto	DQ2	Chair: João Pina	DQ3	Chair: Amparo Faustino
18:30	CO21 – Sandra Pinto (iBB, IST-UL) <i>Cationic core-shell polyurea (PURE) dendrimers against antimicrobial resistance</i>	18:30	CO25 – Ana Monteiro (CiQUS, ES) <i>Exploring New Frontiers in Porphyrin and Nanographene Nanoarchitectures</i>	18:30	CO29 – Sónia Fernandes (CIQUP) <i>Development of a Fabrication Strategy for Upcycling Organic Waste into Brightly Fluorescent Carbon Dots</i>
18:45	CO22 – Ana Gomes (LAQV-REQUIMTE, UP) <i>Peptide-Ionic Liquid Hybrids as Dual-Action Agents for Wound Healing and Infection Control</i>	18:45	CO26 – Nuno Moura (LAQV-REQUIMTE, UA) <i>Synthesys and photodynamic activity of A₂B₂-type porphyrins functionalized with nitrogen-donor units via C-N bond formation</i>	18:45	CO30 – Cecília Santos (CQC-IMS, UC) <i>Turning Hazardous Waste into Resource: Regeneration of Complex Lubricant Oil Mixtures via Supercritical CO₂</i>
19:00	CO23 – Alice Dias (CQ-UM) <i>Corantes azo derivados de imidazole com absorção desviada para o vermelho, propriedades halocrómicas e atividade antimicrobiana</i>	19:00	CO27 – Manuel Aureliano (UAlg) <i>Dawson- and Lindqvist-Type Hybrid Polyoxometalates: Synthesis, Characterization, and Ca²⁺-ATPase Inhibition</i>	19:00	CO31 – Catarina Esteves (UL) <i>Sustainable Extraction of Insect Oils from the Portuguese Emerging Bioindustry</i>
19:15	CO24 – João Santos (QFM-UC) <i>Harnessing β-Cyclodextrin for Platinum(II) Drugs: A Host-Guest Approach to Cancer Therapy</i>	19:15	CO28 – Miriam Trigo-López (UB, ES) <i>Chemical Depolymerization of Polyurethanes and Valorization of Recovered Products to Foster a Circular Economy</i>	19:15	CO32 – Gabrielle Bangay (CBIOS) <i>Esterified Diterpenoids as Selective Chemosensitizers: Natural Product-Based P-gp Inhibitors Targeting MDR Cancer</i>
19:30 20:30	Sunset Party				

Tuesday, 22 July 2025					
Time	Rooms in the auditorium (A), Rooms in the Chemistry Department (DQ1, DQ2 and DQ3)				
9:00	Chair: Verónica Bermudez and Jorge Parola (A)				
	LP5 – Prémio Luso/Espanhol Hermenegildo Garcia (Universidad Politecnica de Valencia) <i>Metal-Organic Frameworks as Versatile Solar Photocatalysts to Produce Renewable Fuels</i>				
10:00	CC5 – S. Lanceros-Mendez (BCMaterials, UM) <i>Advanced Materials and Strategies for Li-ion Batteries: Towards Improved Performance and Sustainability</i>				
10:30	CC6 – Luís Branco (LAQV-REQUIMTE, FCT-NOVA) <i>Green Chemistry in Action: Ionic Systems for Sustainable Solutions</i>				
11:00	Coffee Break				
DQ1	Chair: Tânia Coelho	DQ2	Chair: Mário Calvete	DQ3	Chair: Liliana Gomes
11:30	CO33 – Natália Silva (CQC-IMS, UC) <i>Didática da Química e a Sustentabilidade: Estratégias de Aplicação da Química Verde no Ensino Básico e Secundário</i>	11:30	CO37 – Maria Viana (ITQB NOVA) <i>Amino-functionalised triazolylenes of nickel for catalytic cycloaddition of CO2 to epoxides</i>	11:30	COC11 – Tiago Alves (UP) COC12 – Leonardo Amaral (UA) COC13 – Arij Hassine (UL) COC14 – Safaa Alqudah (IPB) COC15 – Vasco Silva (UP) COC16 – Miriam Colaço (UNL) COC17 – Rúben Feiteira (UP) COC18 – Joana S. Teixeira (FCUP) COC19 – M. Eduarda Ramos (UBI)
11:45	CO34 – Daniel Costa (CQE-IST, UL) <i>Getting the recipe right: extracting chemical data in papers using multimodal language models</i>	11:45	CO38 – Pavel Zelenovskii (UA) <i>Exotic water flows in supramolecular peptide nanochannels</i>		
12:00	CO35 – Bárbara Sequeira (IST-UL) <i>Towards data-driven catalyst design: setting the ground for cause-effect relationships in catalysis</i>	12:00	CO39 – Gabrielle Morizaki (CIMO-IPB) <i>Removal of metformin from aquatic matrices using cork-based adsorbents</i>		
12:15	CO36 – João Brandão (CISCA, UA)g <i>Pressure effects in gas phase reactions: modelling the HO2* stabilisation in the presence of argon</i>	12:15	CO40 – Miguel Esteso (U Cat. Ávila) <i>Supramolecular encapsulation of hydrocortisone by (2-Hydroxypropyl)-α-, -β- and -γ-cyclodextrins in aqueous solution</i>	12:30	COC20 – Mafalda Penetra (UC)
12:30	Lunch Break				
14:00	Chair: Sérgio Melo and Artur Silva (A)				
	LP6 – Ehud Keinan (Technion-Israel Institute of Technology) <i>Humanity faces a bright future, and so Chemistry</i>				
15:00	CC7 – João Mano (Universidade de Aveiro) <i>Chemically designed biomaterials from human origin</i>				
15:30	CC8 – Bruno Medronho (Universidade do Algarve) <i>From Residues to Resources: Advancing Bio-Based Materials from Agroforestry Waste</i>				

16:00 17:30	Coffee Break & Posters (CP71-CP140)				
17:30	Chair: João Paulo André (DQ1)				
	CC9 – Bernadette Vincent (Université Paris 1 Panthéon-Sorbonne) <i>Chemistry without borders</i>				
DQ1	Chair: Paulo Almeida	DQ2	Chair: Carlos Serpa	DQ3	Chair: Vânia Calisto
18:00	CO41 – Ana Viana (CQE-IMS, UL) <i>Bioinspired adhesive catecholamine polymers for electrochemical and optical biosensors</i>	18:00	CO45 – Igor Reva (CERES, UC) <i>A look into prebiotic chemistry: Photoinduced cyclization of diaminomaleonitrile</i>	18:00	CO49 – André Seco (NOVA-UL) <i>Fluorescent heterowheel pseudo-rotaxanes for sensing applications: New supramolecular chemosensors for indicator displacement assays</i>
18:15	CO42 – Nuno Bandeira (BioISI, UL) <i>Thermally activated delayed fluorescence (TADF) in four-coordinate boranes seen through the lens of quantum chemistry</i>	18:15	CO46 – Thais Berberich (FEUP) <i>Fine-tuning Fischer-Tropsch selectivity through CNT surface engineering</i>	18:15	CO50 – Pedro Filho (CQE-IMS, UL) <i>Caracterização qualitativa do palm oil mill effluent (POME) por sílilação e determinação por GCxGC-TOFMS e GCxGC-FID</i>
18:30	CO43 – Péter Szuroczki (Univ. Pécs) <i>Synthesis of new porphyrin–amino acid bioconjugates in Pd-catalysed aminocarbonylation reactions</i>	18:30	CO47 – Vasco Krippahl (IST-UL) <i>Characterization of a PEM electrolyser and fuel cell</i>	18:30	CO51 – M. João Nunes (NOVA-UL) <i>Advanced lipid profiling of insect oils using integrated analytical techniques</i>
18:45	CO44 – Amilcar Prata (CQC-IMS, UC) <i>When surprises emerge: A call to rethink electron transfer theory</i>	18:45	CO48 – Katherine Bettencourt (UL) <i>Powering everyday life: Designing copolymeric cathode materials for sustainable ion-batteries</i>	18:45	CO52 – Joseany Almeida (FCTUC) <i>Deep eutectic solvent electropolymerization of brilliant cresyl blue on graphene quantum dot modified carbon electrodes for dipyrone sensing</i>
20:00 1:00	Meeting Dinner (Tertúlia de Eventos)				

Wednesday, 23 July 2025					
Time	Rooms in the auditorium (A), Rooms in the Chemistry Department (DQ1, DQ2 and DQ3)				
9:00	Chair: Pedro Góis and M. João Moreno (A)				
	LP7 – Mónica Fanarraga (Universidad de Cantabria) <i>Biology-Driven Nanomedicine Design to Overcome Challenges in Cancer Therapies</i>				
10:00	CC10 – Arjan Kleij (ICIQ, Spain) <i>Catalytic Valorization of Carbon Dioxide Enabling Stereoselective Small Molecule Synthesis</i>				
10:30	CC11 – Marco Reis (Universidade de Coimbra) <i>Chemometrics for Industry 4.0</i>				
11:00	Coffee Break				
DQ1	Chair: Cláudia Silva	DQ2	Chair: Paulo Almeida	A	Chair: Pedro Vidinha
11:30	CO53 – Armando Silvestre (UA) <i>Biomass fractionation and valorization using eutectic solvents: a contribution to more sustainable biorefinery processes</i>	11:30	CO57 – Adelino Pereira (CQC, UC) <i>Magnesian reduction of biosilica: systematic evaluation and advances toward ultrafast conversions</i>	11:30	CO61 – Filipe Vilela (Heriot-Watt Univ) <i>Advancing Sustainable Photocatalysis Through Enabling Technologies and Continuous Flow Systems</i>
11:45	CO54 – Carolina Oliveira (CQE, UL) <i>Towards sustainable recycling: green solvent selection for polymer dissolution using machine learning</i>	11:45	CO58 – Gabriela Côrrea (FCUP) <i>Wood fiber immobilized iron complex in green visible light-assisted catalytic redox reactions for water pollutant treatment</i>	11:45	CO62 – I. Graça (Univ Aberdeen) <i>Roadmap for enhanced CO₂ transfer hydrogenation with bio-derived glycerol over zeolite catalysts</i>
12:00	CO55 – Andreia Farinha (KAUST) <i>Water desalination: research challenges and opportunities in environmental sustainability</i>	12:00	CO59 – Eduarda Pereira (UA) <i>Magnetic nanomaterials as a low-cost solution for gadolinium remediation in contaminated waters</i>	12:00	
12:15	CO56 – Matilde Viegas (IST-UL) <i>Commercial carbon capture and utilisation technologies: scoping for industrial modelling potential</i>	12:15	CO60 – Guilherme Serrão (U. Calabria) <i>Hazardous metal capture by a neutral chitosan hydrogel</i>	12:15	
12:30	Chair: Pedro Vidinha (A)				
	CC12 – Filipe Natálio (i4HB and UCIBIO, UNL) <i>The catalytic triad of future materials</i>				
13:00	Lunch Break				

14:00	Prémio Sebastião Formosinho (A)
14:30	Chair: Luísa Martins and Joaquim Faria (A)
	LP8 – Encerramento do ciclo de conferência “Químicas” Teresa P. Melo (CQC-IMS, UC) <i>New Synthetic Strategies for Tetrapyrrolic Macrocycles: Paving the Way for Cancer Photodynamic Therapy and Imaging</i>
15:30	CC13 – <i>Medalha Vicente Seabra</i> Ana Rita Ribeiro (FEUP) <i>Unraveling Enantioselectivity: The Hidden Impact of Chirality in Environmental Processes</i>
16:00	Fellows, Chemistry Europe and Prizes
16:30	Closing Ceremony
17:00	Farewell Coffee Break