

PROGRAMA CIENTÍFICO

10 nov (segunda-feira/lunes)					11 nov (terça-feira/martes)				12 nov (quarta-feira/miércoles)							
Auditório Sala I Sala II Sala III					Auditório Sala I Sala II Sala III				Auditório Sala I Sala II Sala III							
09:00	Registo				QS18	QSU1	QAM1	QAA1	QIE1	QSU19	QI1	QA1				
09:15					QS19	QSU2	QAM2	QAA2	QIE2	QSU21	QI2	QA2				
09:30					QS20	QSU3	QAM3	QAA3	QIE3	QSU22	QI3	QA3				
09:45					QS21	QSU4	QAM4	QAA4	QIE4	QSU23	QI4	QA4				
10:00					PL2 - Pastora Bello Bugallo (Auditório)				PL4 - Antonio Echavarren (Auditório)							
10:15	Abertura/Sesión de apertura															
10:30	PL1 - Nicola Armaroli (Auditório)				Coffee-Break + Posters				Coffee-Break + Posters							
10:45																
11:00																
11:15																
11:30																
11:45	QS1	QP1	QF1	S1	QS22	QSU5	QAM5	QAA5	QO1	QSU20	QI5	QA5				
12:00	QS2	QP2	QF2	S2	QS23	QA11	QAM6	QAA6	QO2	QSU24	QI6	QA6				
12:15	QS3	QP3	QF3	S3	QS24	QSU7	QAM7	QAA7	QO3	QAM19	QAA19	QA7				
12:30	QS4	QP4	QF4	S4	QS25	QSU8	QAM8	QAA8	QO4	QAM20	QAA20	QA8				
12:45	Almoço/Comida				QS26	QSU9	QAM10	QAA9	QO5	QAM21	QAA21	QA9				
13:00					QS27	QSU10	QAM11	QAA10	QO6	QAM22	NN14	QA10				
13:15					Almoço/Comida				Almoço/Comida							
13:30																
13:45																
14:00																
14:15																
14:30	QS5	NN1	BB1	S5									QO7	CAT1	QIE5	QSU6
14:45	QS6	NN2	BB2	S6									QO8	CAT2	QIE6	QA12
15:00	QS7	NN3	BB3	S7	QO9	CAT3	QIE7	QA13								
15:15	QS8	NN4	BB4	S8	QO10	CAT4	QIE8	QA15								
15:30	QS10	NN5	BB5	S9	QO11	CAT5	QIE9	QA16								
15:45	QS11	NN6	BB6	S10		QV1	QA17	NN12								
16:00	QS12	NN7	BB7	S11	PL3 - Nuno Mateus (Auditório)				PL5 - Verónica Bermudez (Auditório)							
16:15	QS13	NN8	BB8	S12												
16:30	Coffee-Break + Posters				Coffee-Break + Posters				Encerramento/Clausura							
16:45																
17:00																
17:15																
17:30													QS14	NN9	ED1	S13
17:45	QS15	NN10	ED2	S14	ED6	QSU13	QAM17	QAA16								
18:00	QS16	NN11	ED3	S15	ED7	QSU14	QAM18	QAA17								
18:15	QS17	NN13	ED4	S16	QT1			QAA18								
18:30		QA14	ED5	S17												
20:30					Banquete/Cena de Gala											

BB - Bioquímica e Biotecnologia
 CAT - Catálise e Fotocatálise
 ED - Educação e Ensino da Química
 NN - Nanoquímica e Nanotecnologia
 QA - Química Analítica
 QAA - Química Agro-Mar-Alimentar

QAM - Química e Ambiente
 QF - Química Física
 QI - Química Inorgânica
 QIE - Química Industrial e Engenharia
 QO - Química Orgânica
 QP - Química dos Polímeros

QS - Química e Saúde
 QSU - Química Sustentável
 QT - Química Teórica e Modelação Molecular
 QV - Química Verde
 S - Simpósio

INFORMAÇÕES GERAIS

LOCAL DO ENCONTRO

O Encontro decorrerá no FORUM BRAGA, em Braga.

O Forum dispõe de um parque de estacionamento exterior **gratuito** com capacidade para 620 viaturas, com entrada pelas traseiras do Forum:

Rua Monsenhor Airosa, 4705-102 Braga

<https://maps.app.goo.gl/VyJqQCDTjPTw7M8R8>

O acesso às salas onde decorre o Encontro só será permitido aos participantes que apresentem o respetivo crachá de identificação.

EQUIPAMENTO DE PROJEÇÃO

O auditório e as salas estão equipadas com computador com sistema operativo Windows e *software* Microsoft Office, sistema de projeção e apontador laser.

Cada orador deverá contactar o *staff* da respetiva sala para transferir o ficheiro da sua comunicação (em PowerPoint) para o computador da sala **até ao final da manhã ou tarde, anterior à sua comunicação**. A organização não se responsabiliza por questões de incompatibilidade de *software* e/ou sistema operativo.

COMUNICAÇÕES ORAIS

As lições plenárias terão duração de 50 minutos, a que se segue um período de discussão não superior a 10 minutos.

As comunicações orais terão duração máxima de **12 minutos**, seguidas de 3 minutos de discussão. Atendendo ao número elevado de comunicações orais, pede-se a todos os oradores que cumpram o tempo estipulado de forma a evitar atrasos no programa.

COMUNICAÇÕES POSTER

Dimensão máxima: tamanho A0 com orientação vertical.

Os posters estarão expostos em permanência, devendo ser afixados no primeiro dia do encontro e removidos no terceiro dia do encontro, após o último *coffee break*.

A discussão de posters decorre no horário dos *coffee breaks*.

BANQUETE

O jantar do encontro será no dia 11 de novembro, pelas 20:30, no Hotel Vila Galé Collection Braga.

PROGRAMA DO SIMPÓSIO

“Produção e Armazenamento de Energia”

10 de novembro de 2025

	<i>Chair: Clara Rodrigues Pereira</i>
12:00	Emma López (Red CRUSOE) <i>Apresentação da Red CRUSOE</i>
12:15	S1: Félix Nieto (Centro de Innovación Tecnológica en Edificación e Enxeñaría Civil, Univ. Coruña) <i>Deployment of an energy harvester prototype in an urban environment location</i>
12:30	S2: André Pereira (Inanoenergy & IFIMUP, Faculty of Sciences, University of Porto) <i>Empowering the Internet of Things through sustainable energy harvesting: the inanoEnergy approach</i>
12:45	S3: Cátia Rodrigues (IFIMUP, Faculty of Sciences, University of Porto) <i>Triboelectric nanogenerators for energy harvesting in remote and harsh environments</i>
13:00	S4: Pedro Fernandez (Centro de Innovación Tecnológica en Edificación e Enxeñaría Civil, Univ. Coruña) <i>Piloto virtual GIS de la cadena de valor de la eólica offshore de Galicia y Norte de Portugal</i>
	Almoço/Comida
	<i>Chair: Félix Nieto</i>
14:30	S5: Joana Príncipe (LEPABE, ALiCE, Faculty of Engineering, University of Porto) <i>Inverted flexible perovskite solar modules for sustainable urban integration</i>
14:45	S6: Joana S. Teixeira (LAQV-REQUIMTE, Faculty of Sciences, University of Porto) <i>Flexible thermally-chargeable supercapacitors with a flavylum derivate solid-gel electrolyte: thermoionic & energy storage performance evaluation</i>
15:00	S7: Rúben Feiteira (LAQV-REQUIMTE, Faculty of Sciences, University of Porto) <i>New carbon/mixed-valence metal oxide nanohybrids for thermal energy harvesting and electrochemical energy storage</i>
	<i>Chair: Manuela Silva</i>
15:15	S8: Salomé Soares (LSRE-LCM, ALiCE, Faculty of Engineering, University of Porto) <i>Boosting CO₂ hydrogenation to methanol efficiency through carbon-metal oxide synergy</i>
15:30	S9: Murilo Alcântara (CICECO, University of Aveiro) <i>COSMO + AI for screening of solvents: case study of methanol synthesis</i>
15:45	S10: Rafael G. Morais (LSRE-LCM, ALiCE, Faculty of Engineering, University of Porto) <i>Designing Fe-N-C single-atom catalysts using carbon black for efficient oxygen reduction reaction</i>
16:00	S11: Caroline Araújo (Chemistry Centre, University of Minho, CQ-UM) <i>Carbon-based nanomaterial in solid biopolymer electrolytes: effect of graphene oxide on methylcellulose films</i>

16:15	S12: Liliana Truta (CeNTI) <i>Para um futuro mais verde: células flexíveis com materiais sustentáveis</i>
	Coffee-Break + Posters
	<i>Chair: Salomé Soares</i>
17:30	S13: Renato Gonçalves (Chemistry Centre, University of Minho, CQ-UM) <i>Cathodes manufacturing strategies for improved efficiency, security and sustainability in lithium-ion batteries</i>
17:45	S14: Carlos Costa (CF-UM-UP and LaPMET, University of Minho) <i>Next generation solid polymer electrolytes based on ternary components for high-performance room-temperature solid-state lithium-ion batteries</i>
18:00	S15: Inês F. Monteiro (CF-UM-UP & Chemistry Centre, University of Minho CQ-UM) <i>Advancing safety and performance in next-generation smart batteries</i>
18:15	S16: Tiago Salgueiro (FEUP, FCUP & LAETA) <i>Solid-state Na-metal batteries with improved performance via facile liquid electrolyte wetting at NaSICON interface</i>
18:30	S17: Gabriel L. Camilo (CICECO, University of Aveiro) <i>Biphasic aqueous electrolytes combining TFSI and salting-out agents for stable and selective membraneless redox systems</i>

LISTA DE COMUNICAÇÕES

Plenárias

PL1	The great energy transformation – Challenges for science and beyond	Nicola Armaroli
PL2	Systems analysis for a regenerative growth: the role of Chemistry	Pastora Bello Bugallo
PL3	Exploring the colour and bioactivity of anthocyanin derivatives	Nuno Mateus
PL4	Gold-catalyzed molecular gymnastics	Antonio Echavarren
PL5	Emerging materials and technologies for smart window systems in buildings and vehicles	Verónica Bermudez

Orais

	<i>Bioquímica e Biotecnologia</i>	
BB1	Valorização de biorresíduos de chia (<i>Salvia hispanica</i> L.): perfil fenólico e potencial bioativo	Maria Eduarda Silva
BB2	Green Extraction of Antioxidant Compounds from Propolis	Nicolas Justus
BB3	2,4,5-Triaminopyrimidines: a new class of fluorescent nucleobase analogues for cell viability studies	João Gonçalves
BB4	Synergistic effects of physical pretreatments and fermentation on the nutritional value of lentils	Ângela Liberal
BB5	Hemolytic activity of biosurfactant extracts obtained in corn steep liquor for further inclusion in antibiotic formulations	Noelia Gonzalez
BB6	Advancing monoclonal antibody purification: the application of supported ionic liquids (SILs)	João Vasco Valente
BB7	Sustainable biosurfactant extract from corn steep water: characterization and multifunctional applications in cosmetic, pharmaceutical and agrochemical formulations	Andrea Martinez
BB8	Emulsifying potential of a biosurfactant extract obtained from dairy by-products	Nicolas Ruso
	<i>Catálise e Fotocatálise</i>	
CAT1	Role of nitrogen doping and carbon support structure in the oxidation of 5-hydroxymethylfurfural to Furans over Pt/C catalysts	Katarzyna Eblagon
CAT2	Structure-performance relationships of carbon-based supports in Fischer-Tropsch catalysts	Thais Berberich
CAT3	Sustainable magnetic catalysts for glycerol valorization into solketal	Fátima Mirante
CAT4	A novel lipase form with enhanced activity across diverse substrates	Jennifer Noro
CAT5	Challenges in the synthesis of substituted aminobenzaldehydes via green and auto-catalytic approaches	André Lopes
	<i>Educação e Ensino da Química</i>	
ED1	Integração da Química numa disciplina STEAM: potencial e desafios da modelagem tridimensional de moléculas no 8.º ano	Isabel Saúde
ED2	Práticas supervisivas na formação inicial de professores de Química: uma revisão integrativa	Avelina Filipe

ED3	O Jogo do Equilíbrio: uma experiência de aprendizagem baseada em jogos no ensino do Princípio de Le Châtelier	José Luís Araújo
ED4	Del átomo al algoritmo: transformando la enseñanza de la Química com Inteligencia Artificial	Elisabeth Lucero
ED5	A Química no 1.º ciclo do ensino básico: um programa de formação personalizado de professores sobre práticas <i>hands-on</i>	Isabel Saúde
ED6	Gamificación como recurso para el fortalecimiento del aprendizaje a través del 2º Concurso de Conocimientos en Química Analítica 2025: "Dr. Gaston Charlot"	Elvis Tovar Facundo
ED7	Museu da Escola Sá de Miranda: um património científico ímpar	Paula Cristina Silva
	<i>Nanoquímica e Nanotecnologia</i>	
NN1	Dehydridiketopiperazines: minimalist peptide blocks for self assembled materials	Carlos Oliveira
NN2	When biomass-based Carbon Quantum Dots meet photocatalysis	Helena Sousa
NN3	PC-based liposomal formulations for efficient delivery of a novel highly potent anticancer drug	Maria Alice Carvalho
NN4	Computer modelling, one tool to rule them all? From carbon nanotubes to biomolecules, covalent organic frameworks and moiré synthetic systems	Manuel Melle Franco
NN5	Surface Chemistry-driven control of magnetic interactions in iron oxide nanoparticles for MRI and Hyperthermia applications	Pelayo García
NN6	Hardy kiwi loaded liposomes: nano-delivery of natural antioxidants	Filipa Teixeira
NN7	Nanocarrier encapsulation of quaternary phosphonium salts	Joana Moreira
NN8	Lipid-polymer hybrid nanocarriers for intranasal administration of entacapone	Cláudia Sampaio
NN9	From sequence to gel: structure-property insights into isoleucine-containing dehydropeptides	Valéria Gomes
NN10	Synthesis of carbon nanotubes from polyolefin waste: mass balance and gas phase composition	Fernanda Roman
NN11	Size-dependent eryptotic effects of citrate-coated silver nanoparticles on human erythrocytes and protection by quercetin	Inês Alexandre Santos
NN12	Formación <i>in situ</i> de nanopartículas de oro y plata en films líquidos para la detección colorimétrica de formaldehído	Nerea Villarino
NN13	Non-lamellar lyotropic liquid crystalline lipid nanoparticles for brain drug delivery	Ana Amorim
NN14	Peptide-functionalized SPIONs for dual-mode imaging and drug delivery in COPD	Cátia Martins
	<i>Química Analítica</i>	
QA1	Miniaturized assay for monitoring sulfite preservatives in food samples	Vítor Hugo Costa
QA2	Point-of-care detection of soybean Gly m TI in complex foods: immunosensor vs MIP biosensor	Catarina Ramos Dias
QA3	Determinación de THC mediante microextracción líquido-líquido dispersiva asistida por aire (AALLME)	Laura Blanco Garcia
QA4	Optical chemosensor based assay for measuring tributyltin in environmental samples	Inês Nunes Vilhena
QA5	Innovative sampling strategies for trace metals analysis in water monitoring	Tânia Vaz Pedro
QA6	DNA-based electrochemical biosensors for honey authentication	Stephanie Morais
QA7	Sequential injection lab-on-valve with bead injection for iron speciation in waters	Mafalda Pereira
QA8	Enantioseparation of methylone by chiral liquid chromatography and metabolite synthesis for further metabolomic studies	Ana Sofia Almeida

QA9	Uso da sililação na caracterização de used cooking oil por cromatografia gasosa mono e bidimensional	Pedro José Filho
QA10	A public health tool for monitoring aluminium levels in environmental and biological samples	Juliana Aguiar
QA11	Determination of Cu(II) in Mozambican artisanal spirits by square-wave anodic stripping voltammetry	Gercílio Chichava
QA12	Point-of-care determination of free chlorine in swimming pools waters as a public health issue	Pedro Almeida
QA13	Mechanical vs. manual harvesting: effects on phenolics and antioxidant potential in Fernão Pires, Loureiro, and Alvarinho wines	Mafalda Cunha
QA14	Estrategias analíticas para el control de contaminantes en aguas mediante enfoques miniaturizados y de bajo coste	Vanessa Romero
QA15	Dispositivo microfluídico tridimensional para la determinación colorimétrica multianálito de analgésicos en muestras clínicas	Alberto Abalde
QA16	Análise isotópica de Sr mediante ICP-TOF-MS para a verificación da orixe de produtos agroalimentarios	Ainhoa Collazo
QA17	Turn-off/on fluorescence-based detection of SARS-CoV-2 using a carbon dots optical biosensor	Ricarda Torre
	<i>Química Agro-Mar-Alimentar</i>	
QAA1	Unveiling the impact of cadmium on silica-based food additive (E551): insights into concentration-dependent interactions	Cláudia Lopes
QAA2	Removing paralytic shellfish poisoning (PSP) toxins: what are the solutions?	Joana Ferreira Leal
QAA3	Evaluation of the seasonal variability in the phytochemical and bioactive composition of the alga <i>Sargassum muticum</i>	Adela López-Vizcaino
QAA4	Anthocyanins-proteins interactions for the development of natural blue colorants	Elsa Martins
QAA5	Pão enriquecido com <i>Chlorella vulgaris</i> Honey: avaliação nutricional e determinação de luteína	Rossana Cardoso
QAA6	From waste to taste: sustainable seasoning production from atlantic mackerel by-products	Francisca Santos
QAA7	Integrating edible insects and spirulina as a nutritive and sustainable food solution: consumer acceptance, sensory analysis, proximate composition and immunoreactivity	Rita Biltes
QAA8	Structural and matrix effects on astringency in butterfly pea (<i>Clitoria ternatea</i> L.) tea	Inês Silva
QAA9	Design and application of antioxidant surfactants to preserve Omega-3 rich foods	Fátima Paiva-Martins
QAA10	Decoding astringency: linking oral interactions to sensory perception	Inês Ferreira
QAA11	Yeast protein extracts and hydrolysates production as a novel source of umami flavour enhancers	Bernardo Almeida
QAA12	Efeito do regime hídrico e de culturas intercalares na qualidade e produtividade de <i>Prunus dulcis</i> Mill. em três anos de produção	Bruna Moreira
QAA13	Caracterização bioquímica e potencial de valorização de perdas pós-colheita de <i>Daucus carota</i> L.	Joana Rodrigues
QAA14	Métodos emergentes de extração como estratégia de valorização de subprodutos de frutas	Tatiane Oliveira
QAA15	Circular Economy in tomato processing: from by-products to value-added ingredients	Bárbara Maurício
QAA16	Extração de proteína da <i>Ulva rigida</i> e <i>Sargassum spp.</i> – comparação de métodos	Mayara Fernandes
QAA17	Cyclodextrins as modulators of black tea astringency: impact on polyphenol-oral component interactions	Joana Paz Vieira
QAA18	<i>Prunus lusitanica</i> L. subsp. <i>lusitanica</i> fruits and by-products as a novel source of added-value metabolites	Natacha Rodrigues

QAA19	Tratamientos hidrotérmicos sucesivos del bagazo de uva tinta: estrategia para maximizar la recuperación de polifenoles bioactivos	Alba Pérez Pérez
QAA20	The volatile profile of beer: a review of chemical diversity and analytical perspectives	Clarisse Lopes
QAA21	New plant-based beverages from Galician Chestnut and Faba de Lourenzà: ultrasound-assisted process optimization using DoE	Jorge Custodio
	<i>Química e Ambiente</i>	
QAM1	Study of different anodes in microbial fuel cells for an efficiency industrial effluent wastewater treatment	Jose Luis Tuesta
QAM2	La Química implícita en el uso de las tecnologías de recuperación mejorada de hidrocarburos en la Faja Petrolífera del Orinoco	Arturo Calvo
QAM3	Optical chemosensory studies of novel D-A- π -A benzothiadiazoles for cyanide detection in aqueous media	Mathilde Boland
QAM4	A comparative framework for evaluating energy security in Europe using a multi-criteria approach	Danial Abdolmaleki
QAM5	Hybrid organic-inorganic materials for rare earth elements removal: unravelling the role of physicochemical properties	Joana Sousa
QAM6	Análisis y simulación dinámica del comportamiento energético en edificios: aplicación a la selección de aislamientos sostenibles para optimizar la eficiencia energética	Khalid Azizi
QAM7	Designing functional COFs for water purification: towards stable and efficient adsorbents	Uxía Gómez-Bouzó
QAM8	From mineral water to E-waste: rare-earth removal by a microporous niobium-iron silicate	M ^a Eduarda Pereira
QAM9	Natural tannin-based coagulants as green alternatives for arsenic and antimony removal	Isabella Tomasi
QAM10	CNT-embedded PVP/PVDF membranes for CWPO-intensified filtration of sulfamethoxazole and paracetamol	Adriano Silva
QAM11	Benign by Design of new depigmenting agents	Abigail Rodrigues
QAM12	Valorisation of Kraft lignin as a sustainable sorbent for mercury removal from water	Bruno Henriques
QAM13	ETS-4 as an efficient sorbent for neodymium removal from contaminated waters	Raquel Fernandes
QAM14	Monitoring effluent water quality parameters in two wastewater treatment plants in northeastern Portugal	Arthur Baldo
QAM15	Synthetic antifouling agents and somatosensory transient receptor potential (TRP) ion channels	Bruno Loureiro
QAM16	Ocorrência e distribuição de contaminantes orgânicos em sedimentos costeiros do norte de Moçambique	Sidónio Duarte
QAM17	Disinfection of aquaculture water by Ga ₂ O ₃ /UV-C photocatalysis	Pablo Santiago
QAM18	Adsorption meets biocatalysis: synergistic biochar-laccase composites for advanced water treatment	Hugo Rocha
QAM19	Pine bark-derived biocoagulant for sustainable textile wastewater treatment	Ricardo Ferreira
QAM20	Waste-derived nanocatalysts for catalytic ozonation of textile dyes	Rita Cardoso
QAM21	Determinación del perfil de hidrocarburos ligeros (C ₁ -C ₇) en muestras de gasolina por cromatografía de gases-ionización de flama	Luis Díaz Flores
QAM22	Herramienta para sostenibilidad, el Análisis de Ciclo de Vida	Ana Maria Gayol
	<i>Química Física</i>	
QF1	How to measure enthalpy of extraction by isothermal titration calorimetry	Inês Vaz
QF2	Rastreabilidade de dispositivos médicos de medição usando filtros líquidos de absorbância óptica	Olivier Pellegrino

QF3	Smart surfaces based on poly(L-lactic acid)/ionic liquid hybrid materials	Inês Ribeiro da Silva
QF4	Alkylating potential of nitrosocompounds obtained from dietary supplements. Risk of DNA mutations	M ^a Pilar Santos
	<i>Química Inorgânica</i>	
QI1	Metal-driven radical divergence: Cu and Co as directors of redox pathways in bioinorganic models	María Rodríguez
QI2	Iron(III) helicates with the ability to interact with DNA	Isabel Velo Heleno
QI3	Coordination modes of carbonyl phosphine-iminophosphorane ligands: from the unusual to the unprecedented	Irene Vázquez
QI4	Estudo comparativo das arquiteturas helicoidais dinucleares formadas pola coordinación de ligandos biscardamato con ións metálicos	Paula Domínguez
QI5	Biological evaluation of Cu(I) phosphino-azine mesocates	Uxia Barreiro Sisto
QI6	A mono-silanolate Dy-N ₆ macrocyclic complex with SMM behavior	Paula Oreiro
	<i>Química Industrial e Engenharia</i>	
QIE1	Hansen solubility parameters of <i>p</i> -coumaric acid and <i>trans</i> -resveratrol for solubility prediction in binary solvent mixtures	Iván Montenegro
QIE2	Simulation-based assessment of membrane requirements to improve CO ₂ hydrogenation to methanol	Andreia Filipa Dias
QIE3	Photoactivity of azobenzene derivatives in deep eutectic solvents: correlating phase diagrams and UV-Vis spectroscopy	Maísa Pinheiro
QIE4	Impact of isomers and conformers on the phase behavior of deep eutectic solvents: an experimental and theoretical approach	Felipe Olea
QIE5	Exploring PEG 400 as an alternative solvent for monoterpene fractionation	Aline Zambom
QIE6	Análisis techno-económico de un diseño de biorrefinería integrada a partir de subproducto de pieles de patata	Beatriz Rodríguez
QIE7	Characterisation of the residence time distribution in an immobilised structured photoreactor for green ammonia synthesis	M ^a Teresa Oliveira
QIE8	Effect of crosslinking and dispersing agents on the barrier properties of coatings made from aqueous dispersion of renewable elastomers	Maylee Saavedra
QIE9	Estabilidad física de oleogeles de aceite de colza con HPMC almacenados a temperatura ambiente	Mario Lama Cerda
	<i>Química Orgânica</i>	
QO1	Are machine learning models ready for natural product retrosynthesis?	José Soares
QO2	Synthesis of aminochalcone derivatives with potential antimitotic activity in multidrug-resistant cancers	Henrique Assunção
QO3	Nova metodologia oxidativa em síntese peptídica para diversificação estrutural e funcional da melanostatina	Hugo Almeida
QO4	Structural modifications of abietic acid and a computational protocol to predict their compatibility in different environments	Pedro Miranda
QO5	Rational synthesis and characterization of a novel ph-responsive pyranoflavylum-starch conjugate from potato sidestreams	Mariana Cunha
QO6	Nadifloxacin: enantioseparation and structural modification for further environmental studies	Igor Oliveira
QO7	Chemosensors for enantioselective fluorescent detection of amino acids	M ^a João Rodrigues
QO8	Green-coloured imidazole-based azo dyes: halochromism and antimicrobial activity	Alice Dias

Q09	Annihilator performance in TTA-UC: donor-acceptor substituted dithienopyrrole derivatives	Nuna Ramos
Q010	Photodynamic inactivation of <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> through light-activated boronic acid-based porphyrin derivatives	Daiane Maronde
Q011	Tyrosine dehydropeptides as bioinspired candidates for hemorrhage control	Raquel Pereira
	<i>Química dos Polímeros</i>	
QP1	Functional NaCMC solid polymer electrolytes doped with LiTFSI and glycerol for sensor-integrated solid-state batteries	Sara Sousa
QP2	Acid-induced delamination as a strategy for recycling PE/PET films	Luanna Maia
QP3	Non-isocyanate polyurethanes (NIPUs) from tannic acid and sucrose	Patrícia Varum
QP4	Inducción de propiedades barrera en films de PVA mediante la adición de lignina	Lucía Fernández
	<i>Química e Saúde</i>	
QS1	Discovery of potent bicyclic allosteric modulators of the dopamine D ₂ receptors for application in Parkinson's therapy	Beatriz Lima
QS2	Design and synthesis of novel compounds targeting the serotonin 2A receptor	Rodrigo Andrade
QS3	Discovery and optimization of benzimidazole-pyrazole chemical tools targeting RIPK1	Ana Ressurreição
QS4	Core-Shell polycationic dendrimers: from molecular design to cancer treatment	Vasco Bonifácio
QS5	Chemical strategies for cancer therapy: targeted degradation of mutant p53 via PROTACs	Ricardo Ferreira
QS6	Synthesis and antibacterial evaluation of methyl 3-amino-6-(hetero)arylthieno[3,2- <i>b</i>]pyridine-2-carboxylates and their encapsulation in hyaluronic acid hydrogel	Ana Rita Gonçalves
QS7	Design and synthesis of novel potential inhibitors of p52 dimerization	Sofia Sarabando
QS8	Spectroscopic insights into polyamide 6 microplastics after simulated gastrointestinal digestion	Mariana Lamas
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QSU40	Agro-waste-derived carbon dots: a green approach to biodiesel catalysis	Patrícia Barata

QSU41	Thymol-based azo dyes: synthesis and photophysical properties	José Coelho
	<i>Química Teórica e Modelação Molecular</i>	
QT2	Rational design of new glucose-6-phosphate dehydrogenase inhibitors for cancer therapy	Anita Campos
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QV2	Green extraction strategies for <i>Ulva</i> spp.: effect of enzymatic and pressurised hydrolysis on protein and biocompounds recovery	Isa Ingrez
QV3	Effect of temperature on the recovery of phenolic compounds and antioxidant activity from <i>Melipona flavolineata</i> geopropolis using microwave-assisted extraction	Fernanda Bezerra
QV4	Study of laccase activity in the degradation of poly(vinyl alcohol) using biobased polyols	Daniela Espínola
QV5	Designing flavours and fragrances by biocatalysis: how alcohol and acid choice shapes lipase activity	Jennifer Noro
QV6	Unlocking comprehensive valorization of hazelnut shells through microwave-assisted biphasic systems	Pablo García del Río
QV7	Phytochemical analysis of <i>Camellia japonica</i> husks and leaves by GC-MS: exploring bioactive compounds for future applications	Francisco Díaz
QV8	Removal of additives from plastic to enhance recycling	Marco Prazeres
QV9	Propionate-based ionic liquids as solvents for challenging separation processes	Miriam Guimarães
QV10	Comparison of microwave-assisted extraction strategies for Ulvan from <i>Ulva</i> sp.: combined microwave hydrodiffusion and gravity pretreatment vs. direct microwave-assisted extraction	Sheyma inoubli
QV11	Valorisation of brown seaweeds through pressurized water extraction: influence of processing conditions on extract composition and bioactivity	Sheyma inoubli
QV12	Técnicas verdes de extracción de muestra para el análisis cromatográfico de compuestos carbonílicos en formulas nutricionales para bebés y adultos	Antonia Carro Díaz
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S18	Unraveling and comparing the effect of Li and Na-based salts on the ionic conductivity of methylcellulose solid biopolymer electrolytes	Caroline Araújo
S19	Increase of selectivity and chemical space of ABS with NaSCN additive: case study of membrane-free redox flow batteries	Gabriel Camilo
S20	Tuning the trade-off between viscosity and selective partitioning in biphasic electrolytes via sodium thiocyanate addition	Murilo L. Alcântara
S21	Deployment and performance analysis of multi-axis piezoelectric energy harvesters in urban environments	Brais Villaverde
S22	Advanced smart textiles integrating hybrid carbon/mo-v sulfide nanomaterials for energy storage	Marta Nunes
S23	ThermoTwin-TCSCs: dual-side coated screen-printed thermally-chargeable textile supercapacitors	Ana Rita Sousa
S24	Hybrid integration of water evaporation-induced generators with seawater batteries for enhanced performance	João Ferreira
S25	From structure to capacitance: probing ethaline-gold interfaces via molecular dynamics	Iuliia V. Voroshylova
S26	Cork-based carbon electrodes for sustainable supercapacitors	Raquel Rocha
S27	Safety and accident analysis in small modular reactors (SMRs) for controlled nuclear fission	Miranildo Cabral da Silva