

PROGRAMA DEL XXX ENCONTRO INTERNACIONAL GALEGO PORTUGUÉS DE QUÍMICA

SALAS		Planta
A	Auditorio	baja
B	Sala de Conferencias	4ª
C	Aula	5ª

CATERING	5ª
POSTERS	baja

DÍA	HORA	SALAS			
		PLENARIAS SALA A	A	B	C
18	10:00 - 11:45	INSCRIPIÓN Y RECEPCIÓN			
		COLOCACÓN DE PÓSTERS			
	11:45- 12:15	A	SESIÓN DE APERTURA.		
	12:15-13:15		CONFERENCIA PLENARIA		
	13:15 - 13:45	TIEMPO con Prof. Thomas R. Cech			
	13:45		AMB01	QA01	QS01
	14:00		AMB02	QA02	QS02
	14:15-16:00	COMIDA			
	16:00		AMB03	QA03	QS03
	16:15		AMB04	QA04	QS04
	16:30		AMB07	QA05	QS05
	16:45		AMB08	QA06	QS06
	PAUSA: 10 minutos				
	17:00 - 17:45	CP1			
	17:45 - 18:15	COFFEE BREAK + POSTERS			
	18:15		AMB05	QA07	QS07
	18:30		AMB06	QA08	QS08
	18:45		AMB09	QA09	QS09
	19:00		AMB10		QS10
	19:15		AMB11	QA10	NN06



DÍA	HORA	SALAS			
		PLENARIAS SALA A	A	B	C
19	9:45		AMB12	QA11	NN02
	10:00		AMB13	QA12	NN03
	10:15		ALM04	QA13	NN04
	10:30		AMB15	QA14	NN05
	10:45		AMB16	QA15	NN01
		PAUSA: 10 minutos			
	11:10		AMB17	QA16	NN07
	11:25		AMB18	QA17	QT01
	11:40		AMB19	QA18	QT02
	11:55		AMB20	QA19	QT03
	11:55 - 12:40	CP2			
	12:40 - 13:15	COFFEE BREAK + POSTERS			
	13:15		AMB21	CAT01	QI08
	13:30		AMB22	CAT02	QI01
	13:45		AMB23	CAT03	QI02
	14:00		AMB24	CAT04	QI03
	14:00 - 16:00	COMIDA			
	16:00		AMB25	CAT05	QI04
	16:15		AMB26	CAT06	QI05
	16:30		AMB27	CAT07	QI06
	16:45		AMB28	CAT08	QI07
	17:00 - 17:45	CP3			
	17:45 -18:15	COFFEE BREAK + POSTERS			
	18:15		AMB29	CAT09	BB09
	18:30		AMB30	CAT10	BB01
	18:45		AMB31	CAT11	BB02
	19:00		AMB32	CAT12	BB03
	21:00	CENA DEL ENCONTRO			



DÍA	HORA	SALAS			
		PLENARIAS SALA A	A	B	C
20	9:45		AMB33	EDU02	BB04
	10:00		POL01	EDU01	BB05
	10:15		ALM01	EDU03	BB06
	10:30		ALM02	QO01	BB07
	10:45		ALM03	QO02	BB08
	10:45 - 10:55	PAUSA: 10 minutos			
	10:55		AMB14	QO03	
	11:10		ALM05	QO04	CAT13
	11:25		ALM06	QO05	BB10
	11:40		ALM07	QO06	BB11
	11:40 - 12:30	CP4			
	12:30 - 13:00	COFFEE BREAK + POSTERS			
	13:00		ALM08	QO07	BB12
	13:15		ALM09	QO08	IND01
	13:30		ALM10	QO09	IND02
	13:45		ALM11	QO10	IND03
	14:15 - 16:00	COMIDA			
	16:00 - 16:15	RETIRADA DE POSTERS			
	16:00		ALM12	QO11	IND04
	16:15		ALM13	QO12	IND05
	16:30		ALM14	QO13	IND06
	16:45		ALM15	QO14	IND07
	17:00		ALM16	QO15	IND08
	17:15		ALM17	QO16	QF01
	17:30	PAUSA: 10 minutos			
	17:40	A	CLAUSURA DEL CONGRESO		



RELACIÓN DE COMUNICACIONES

CONFERENCIAS PLENARIAS

CONFERENCIA DE APERTURA

Prof. Thomas R. Cech

RNA Is More than a Messenger: The Chemistry and Biochemistry of Noncoding RNAs

CP 1 **Prof. Pedro Góis**

Boronic Acids: A Useful Functional Platform for Chemical Biology

CP 2 **Prof. Cláudia Silva**

Engineering Carbon Nitride Nanomaterials for Photocatalytic Applications

CP 3 **Prof. Diego Peña Gil**

When organic chemistry meets surface science: from single-molecule characterizationto exotic carbon-based nanostructures

CP 4 **Prof. Isabel Pastoriza**

From Nanochemistry to Molecular Detection

COMUNICACIONES

Química Alimentaria

Oral

ALM01	Composición nutricional y compuestos bioactivos en el almez (Celtis australis L.), un fruto tradicional de la Dieta Mediterránea.	Patricia García-Herrera, José Ignacio Alonso Esteban, Samuel Fernández-Tomé, María Cortes Sánchez-Mata, Montaña Cámara, Patricia Morales, Virginia Fernández, Rosa María Cámara, Lorena González-Zamorano, Laura Aceituno, Manuel Pardo de Sanatayana
ALM02	Effect of acylation on the interaction of anthocyanins with pea, soy and yeast proteins under mildly alkaline conditions	Ziqi Guo, Catarina Ferreira, Susana Soares, Victor Freitas, Joana Oliveira
ALM03	Yeast Protein-Chitosan Coacervation: effect of pH, biopolymer ratio, and ionic strength	Ana Rita Pereira, Ana Fernandes, Nuno Mateus, Victor de Freitas
ALM04	Bee4Cheese Project: From Green Extraction of Propolis for Preservation of Traditional Cheese	Artem Drogalin1, David Almeida1, Aritson Tolentino2, Paula Rodrigues2, M. Natália D.S. Cordeiro1, Miguel Vilas-Boas2, João Reis3, Soraia I. Falcão2, Andreia F. Peixoto1*
ALM05	Valorização do bagaço de Vaccinium ashei: Efeito da secagem por liofilização e por ar quente na sua composição nutricional e química	Syed Waqas Ali Bacha, Matilde Rodrigues, Alexandre Gonçalves, A. Tadeu Alves, Joana S. Amaral, Cristina Caleja, Lillian Barros



ALM06	Wheat Fermented Beverages: Phenolic Composition, Antioxidant Activity and Evolution of Immunogenic Gluten Peptides During Digestion	Pardellas-Soto, Jorge; Casanova-Salvador, Paula; Martínez-Carballo, Elena; Pérez-Gregorio, Rosa
ALM07	Determinação do perfil de triacilglicerol em ovos a partir de um método otimizado de ASAP-MS/MS	Mariana S. Leoncio, Victor H. M. Cruz, Jessica S. Pizzo, Patrícia D.S. Santos, Geovane A. R. Silva, Oscar O. Santos e Jesuí V. Visentainer
ALM08	Development and optimization of propolis-carob particle-stabilized Pickering emulsions	Liandra Gracher-Teixeira, Bruna Dias, Luiza A. Oumura, Arantzazu Santamaria-Echart, Isabel Reinas, Maria-Filomena Barreiro
ALM09	Development of Pickering Emulsions Stabilized by Astaxanthin-Based Solid Dispersion Particles for Food Analogs	Luiza A. Oumura, Liandra Gracher-Teixeira, Bruna Dias, Arantzazu Santamaria-Echart, Isabel Reinas, Bogdan Demczuk Jr., Maria-Filomena Barreiro
ALM10	Impact of Maturation on the Nutritional Profile, Phytochemical Composition and Bioactive Potential of Persimmon (Diospyros kaki L.)	S. Rocha, L. Barros, M. de Almeida, B. Paulos, F. Mandim, B. Albuquerque, A. Gonçalves, A.P. Pereira, E. Pereira
ALM11	From by-product to food: valorisation of lentil tofu residue into granola, farofa and a cereal bar	Maria Eduarda Cordeiro, Tayse F.F. da Silveira, Rossana V.C. Cardoso, Rafael Sprea, Manuel Ângelo Rodrigues, Lillian Barros
ALM12	Chemical Structure of Procyanidins and Polysaccharides Governs Their Interactions at Oral Interfaces	Mónica Jesus, Elisabete Coelho, Elsa Brandão, Nuno Mateus, Victor de Freitas, Susana Soares
ALM13	Caraterização morfológica e fitoquímica de microvegetais de espinafre biofortificados com selénio inorgânico	Alexis Pereira, Maria Inês Dias, M. Beatriz P. P. Oliveira, José Pinela
ALM14	Fermented red grape juices: influence of in vitro model design on gut microbiota modulation	Ana R. Monteiro1, Ana Faria, José Capelo, Edgard Relaño de la Guia, Mikel Roldan, Carolina Cueva, M. Victoria Moreno-Arribas, Iva Fernandes
ALM15	Techno-functional, rheological, and pasting properties of gluten-free rice flour enriched with Scolymus hispanicus L. root powder	Beatriz H. Paschoalinotto, Miguel A. Prieto, Spyridon A. Petropoulos, Joanna Harasym, Maria Inês Dias
ALM16	Estratégias de cultivo e otimização da biofortificação de cogumelos do género Pleurotus com ferro: O projeto Nutr&ssencial	Maria G. Leichtweis, Roberto A. Costa, Bruno Melgar, Maria Inês Dias, Pablo A. García, José Pinela, Carla Pereira
ALM17	Caracterização integrada do cultivo e da qualidade dos morangos para o desenvolvimento de sistemas de produção controlados por inteligência artificial: o projeto SUSTAiN	Maria G. Leichtweis, Ruth Rodríguez-Ramos, Carolina Campos, Jorge Paiva, Sara Rodrigues, Susana Araújo, Higor Rosse, Khadija Sabiri, Infância Maria Lima Barreira Rocha, José Alberto Martins Gonçalves, Carla Pereira, Maria Inês Dias



Poster

ALM18	Judías carillas: composición nutricional de un alimento tradicional consumido en el área mediterránea	Patricia García-Herrera, José Ignacio Alonso Esteban, Samuel Fernández-Tomé, María Cortes Sánchez-Mata, Montaña Cámara, Patricia Morales, Virginia Fernández, Rosa María Cámara, Lorena González-Zamorano, Laura Aceituno, Manuel Pardo de Sanatayana
ALM19	BEVEGAL — Ultrasound-Assisted Formulation of Plant-Based Beverages from Galician Chestnut and Faba de Lourenzá	J. A. Custodio-Mendoza1,2*, M. R. Pérez-Gregorio1, P. Reboredo-Fernandez1, E. Martinez-Carballo1
ALM20	Assessment of Environmental Contaminants in Innovative Canned Seafood Products	Sara Sousa, Juliana Pais-Costa, Helena Oliveira, Amparo Gonçalves, Beatriz Fernandes, Carmo Serrano, António Marques, Maria Leonor Nunes, Valentina F. Domingues, Cristina Delerue-Matos
ALM21	Subcritical Water Extraction of Bioactive Compounds from Portuguese Cabbage (Brassica oleracea) By-products for Sustainable Aquafeed Ingredients	B. J. Azeredo, E. F. Vieira, V. F. Domingues, M. J. Ramalhosa, C. Delerue-Matos
ALM22	Da capacidade antioxidante à proteção lipídica: avaliação de extratos de macroalgas em condições de oxidação acelerada	F. Santos, Valentina F. Domingues, C. Soares, M. J. Ramalhosa, H. Augusto, C. Delerue-Matos
ALM23	Cerrando el ciclo agroalimentario: recuperación asistida por ultrasonidos de antioxidantes a partir de hojas y tallos de pimiento	Matilde Rodrigues, María Carpena, M. Beatriz P.P. Oliveira, Celestino Santos-Buelga, Miguel A. Prieto, José Pinela
ALM24	Validación analítica de un método enzimático para la cuantificación de azúcares totales en vinos y bebidas espirituosas	Soledad Muniategui Lorenzo, Isabel Turnes Carou, Alba Núñez López, Iago Neira García, Jaime. Fernández-Paz
ALM25	Towards a low-cost flow-based method for selenium quantification in common bean	Jacinta Santos, Tânia C. F. Ribas, Marta W. Vasconcelos, António O. S. S. Rangel, Carla S. Santos, Raquel B. R. Mesquita
ALM26	Formation and Characterization of Insoluble Anthocyanin–λ-Carrageenan Complexes: Interactions, Thermal Stability, and Release Behaviour	Ana Fernandes, Tomás Garrido, Ana Rita Pereira, Hiléia K.S. Souza, Nuno Mateus, Victor de Freitas
ALM27	Efeito da secagem na composição nutricional de farinhas produzidas com mirtilos de refugo	Syed Waqas Ali Bacha, S. Coelho-Fernandes, A. Padrão, Matilde Rodrigues, L. Rocha, A.P. Pereira, A. Gama, A. Tadeu Alves, L. Barros, J. S. Amaral, A. Gonçalves, C. Caleja
ALM28	Zearalenone in Commercially Available Beers: Quantitative Assessment and Consumer	Anaëlle Boissonnet, Eloïse Brunesseaux, Maria N. Vaz, Sofia C. Duarte, Ana Paiva, Maria J. Campos, André M. P. T. Pereira, Liliana J. G. Silva, Angelina Pena



ALM29	Comparative Analysis of Fatty Acid Profiles in Eggs from Different Production Systems and Cooking Treatments	Mariana S. Leoncio1, Victor H. M. M. da Cruz, Geovani Yoti Braz Nakamura, Oscar O. S. Junior1, Camila Rodrigues, Jesui V. Visentainer
ALM30	A sequential injection analysis method for the determination of nitrites and nitrates in processed meats	Catarina C. Sousa*, Tânia C. F. Ribas, Maria J. M. Nunes, Paula Teixeira, António O. S. S. Rangel
ALM31	Effect of anthocyanin incorporation route on the functional performance of gelatin-based intelligent films	Bruna Dias, Liandra Gracher-Teixeira, Ana C. Lima, Arantzazu Santamaria-Echart, Maria-Filomena Barreiro
ALM32	One-factor-at-a-time screening of the alcoholic fermentation of astringent persimmon must for vinegar production	F. Mota, A.P. Pereira, T. Montes, B. Paulos, L. Barros, E. Pereira*, A. Gonçalves
ALM33	Lentil (Lens culinaris Medik.) tofu: a high-protein, low-fat alternative to soy tofu	Maria Eduarda Cordeiro, Tayse F.F. da Silveira, Manuel Ângelo Rodrigues, Lillian Barros, Rossana V.C. Cardoso
ALM34	Caracterização comparativa dos perfis de compostos fenólicos de microvegetais de acelga e espinafre	Alexis Pereira, Maria Inês Dias, M. Beatriz P. P. Oliveira, José Pinela
ALM35	From glucosinolates to isothiocyanates: the chemical characterisation of salad rocket	Ruth Rodríguez-Ramos, Beatriz H. Paschoalinotto, Antonio V. Herrera-Herrera, Bárbara Socas-Rodríguez, Célia Cabral, Maria Inês Dias
ALM36	Effect of NPK fertilisation on the chemical profile and the in vitro antioxidant properties of Portulaca oleracea L. leaves and stems	Beatriz H. Paschoalinotto, Ruth Rodríguez-Ramos, Mikel Añibarro-Ortega, Nikolaos Tzortzakis, Lillian Barros, Maria Inês Dias
ALM37	Cultivation of glucosinolate-enriched Brassicas for the development of functional pasta products	Beatriz H. Paschoalinotto, Ruth Rodríguez-Ramos, Cláudia Novais, C. Cabral, M. I. Dias
ALM38	Perfil de aminoácidos em produtos derivados do leite: efeito da maturação	Susana Machado1,2, Sara Maia1, Liliana Espirito Santo1,2, Wemerson de C. Oliveira1,3, Matheus A. P. Pedroso4, Neila S. P. dos S. Richards4, M. Beatriz P. P Oliveira1, Rita C. Alves1,*
ALM39	Valorizing Portuguese propolis extracts as functional ingredients in cereal snack bars	Sandra Barbosa, Ana R. Circuncisão, Francimara Marques, Maria F. Sousa, Cristina Almeida-Aguiar, Susana M. Cardoso.

Química Ambiental y Sostenible

Oral

AMB01	Salinity-driven adsorption kinetics and process optimization of Reactive Brilliant Blue removal using untreated eggshell waste	Alessandro Feitosa Machado, Rosa Freitas e Eduarda Pereira
AMB02	Green-synthesis of ZVI particles from plant extracts for phosphate removal	Iñaki Beceiro-Cillero, Sarah Fiol, Juan Antelo, Xosé Lois Otero



AMB03	Waste into Water Treatment: Red Onion Peel as a Natural Coagulant	Ana R. Oliveira1, Inês S. Moreira2, Cidália M. S. Botelho2, Ricardo M. Ferreira2,*
AMB04	Circular Valorisation of Iron-Functionalised Pine Bark Biosorbents after Textile Wastewater Treatment	Beatriz Pacheco[1], Cidália Botelho[2], Salomé Soares[2], Ricardo M. Ferreira[2],*
AMB05	Caracterización de compuestos orgánicos volátiles en la atmósfera de un área industrial: Puertollano (España)	Elena Molina, Cristian Chacón, Pilar Martín, Sagrario Salgado, Laura Solé, Laura Vallecillos
AMB06	Implicaciones atmosféricas del uso del 2-butoxietanol como aditivo en la formulación de biocombustibles	Cristian Chacón, Elena Molina, Sagrario Salgado, Pilar Martín
AMB07	Dynamic Adsorption and Regeneration Behavior of Strong-Base Anion-Exchange Resins in Pd(II)/Zn(II) Chloride Systems	Filipa S. Brito, Eduardo L. Oliveira, Hugo A. M. Bacelo, Vanessa R. A. Ferreira, Helena M. V. M. Soares
AMB08	Hemotoxic effects of emerging bisphenol analogues in human erythrocytes	Inês Santos, Lara Vieira, Carina Proença, Eduarda Fernandes, Marisa Freitas
AMB09	From Structure to Performance: Pt(IV) and Pd(II) Adsorption on Next-Generation Anion-Exchange Resins	Vanessa R. A. Ferreira*, Hugo A. M. Bacelo, Mariana B. Rodrigues, Filipa S. Brito, Helena M.V.M. Soares
AMB10	Bioconcreto autorreparable: comportamiento frente a la formación y sellado de fisuras	Guevara Garcia, Paulina; Flores, Francisco; Guanín Carrión, Nahomi; Tenelema Quinatoa, Melany; Ugsha Chugchilan, Pacha
AMB11	Biomass-Derived Furans as a Platform for Sustainable Synthesis and Green Chemistry Education	Mariana Peixoto, Daniel-Almeida Santos, Teresa M. V. D. Pinho e Melo, Marta Pineiro
AMB12	Avocado Seed Valorisation for Water Treatment	Inês S. Moreira, Mariana Letra, Sofia Mota, Cidália Botelho, Ricardo M. Ferreira
AMB13	Design and Development of Potent HIV Protease Inhibitors Based on a Biorenewable Scaffold	Xavier Cruz Correia, Dominique Schols, Ivo E. Sampaio-Dias
AMB14	From renewable biopolymers to functional fibers: advanced electrospinning of Chitosan-PCL nanocomposites for textile dye adsorption	Óscar Martínez-Rico, Ángeles Domínguez, Begoña González
AMB15	Rapid capture and recovery of Nd, Tb and Dy from water using pristine Kraft lignin: a response surface approach	Helder F. Martins, Rodrigo C. Almeida, Diogo L. Mateus, Thiago Silva, André M. da Costa Lopes, Eduarda Pereira, Bruno Henriques
AMB16	Assessment of Chromium Contamination in Aquatic Environments near Tannery Industries: A Portuguese Case Study	Liliana J. G. Silva, Angelina Pena, Maria J. Campos, André M. P. T. Pereira
AMB17	Photosensitizers and Hybrid Materials for the Photodynamic Disinfection of Water	Carlos J. P. Monteiro, Ana S. M. Joaquinito, Cristina J. Dias, Nuno M. M. Moura, M. Amparo F. Faustino



AMB18	Unlocking Microalgal Polysaccharides Through Sustainable Extraction Strategies for Aquafeed Applications	Ana Luísa Rebelo, Luís F. Baião, Marta Monteiro, Sofia A. Costa Lima
AMB19	Rare earth removal from simulated magnet and lamp waste using a microporous niobium–iron silicate	Thiago Silva, Joana Sousa, David Oliveira, Bruno Henriques, João Rocha, Daniela Tavares, Eduarda Pereira
AMB20	Valorization of white grape pomace through targeted recovery of phenolic acids using conventional and hydrotropic solvents	Iván Montenegro, Elena Gómez, Ángeles Domínguez, Begoña González
AMB21	Evaluación energética y ambiental de materiales de aislamiento sostenibles para edificios mediante simulación térmica dinámica y análisis del ciclo de vida	Khalid Azizi
AMB22	Lipid profile and antimicrobial activity of by-products of the winemaking process: the case of grape pomace and stems	Marlene Machado, Sara Maia, Juliana Peixoto, Helena Ferreira, Fernanda Cosme, Fernando Nunes, M. Beatriz P. P. Oliveira, Rita C. Alves
AMB23	Tuning Supercritical CO_2 Extraction of Ruscus aculeatus L. Fruits: Influence of Polar Modifiers on Extract Fractionation and Chemical Profiles	Y. Dulyanska, L.A.E. Batista de Carvalho, M. J. Barroca, F. J. Gonçalves, R. P. F. Guiné, C.I.A.V. Santos*
AMB24	Liquefaction Process Optimization and Bio-Polyols Characterization of Ruscus aculeatus L. Branches	Y. Dulyanska, L.A.E. Batista de Carvalho, M. J. Barroca, F. J. Gonçalves, R. P. F. Guiné, C.I.A.V. Santos*
AMB25	Valorization of Moroccan geomaterials into low-cost ceramic membranes: optimization using response surface methodology (Box-Behnken design)	Khaoula Benzaboul, Rajae Kharbouch, Mounia Baidou, Soukaina El Abbadi, Hajar El Moustansiri, Joaquim Esteves Da Silva, Abdelmjid Bouazizi, Mohamed Douma
AMB26	Materiales Avanzados para la Construcción Sustentable: Aportes de la Ingeniería de los Materiales a la Innovación	Dra. Elisabeth Viviana Lucero Baldevenites
AMB27	An integrated extraction-to-formulation approach for propolis-based lip care using hydrophobic NaDES	Nicolas Justus, Maria F. Sousa, Sandra Barbosa, Ana R. Circuncisão, Cristina Almeida-Aguiar, Maria João Sousa, Paulo C. Kirnev, Susana M. Cardoso
AMB28	Ultrasound-Assisted Extraction of Phenolic Compounds with Antioxidant Properties from Grape Stalks: Process Optimization by Response Surface Methodology	Sara Maia1, Thiago F. Soares1, M. Beatriz P. P. Oliveira[1], Rita C. Alves[1]
AMB29	Compound Wind–Solar Generation Deficits and Joint Electricity Price–Carbon Stress in Peninsular Spain	Danial Esfandiary Abdolmaleki1*, Pastora María Bello Bugallo1
AMB30	Evaluación de Soluciones basadas en la Naturaleza (SbN) para la adaptación climática y resiliencia en Galicia	Alicia García Delgado*, Pastora María Bello Bugallo



AMB31	Transformando emisiones en materias primas: el papel del CCUS en la producción sostenible de metanol	Marianny D, Álvarez Rodríguez1*, Ignacio Bañeres Estribano1, Pastora M. Bello Bugallo1
AMB32	Riesgos operacionales y ambientales inherentes a la aquatermólisis en la recuperación térmica del crudo en la Faja Petrolífera del Orinoco	Arturo J. Calvo Tiapa1,*, Pastora M. Bello Bugallo1
AMB33	Más allá del pozo: desafíos conjuntos para una gestión integrada en la explotación de la Faja Petrolífera del Orinoco bajo un esquema de recuperación térmica	Arturo J. Calvo Tiapa1,*, Pastora M. Bello Bugallo1

Poster

AMB34	Potential of Limpet Shell Sand (Patella aspera) for Phosphorus Recovery from Livestock Effluents in the Azores: A Physicochemical Review and Theoretical Proposition	Elisabete C. D'Oliveira, Sílvia A. B. S. de Quadros
AMB35	Removal of Nutrients and Veterinary Pharmaceuticals from Agricultural Effluents by Adsorption on Advanced Substrates: The LIFE4FARMS Project	Elisabete C. D'Oliveira, Sílvia A. B. S. de Quadros
AMB36	Synthesis and Characterization of rGO/TiO_2 on flexible substrates for use as electrode in DSSCs	B. Asenjo1, M.P. Alcacera, and J.F. Trigo
AMB37	Synthesis and Characterization of Pb free perovskite based films obtained by sol-gel method.	B. Asenjo
AMB38	Grafitización catalítica asistida por microondas de biocarbones derivados de residuos: hacia la producción de biografitos circulares	Ana M. Ares-Fuentes, José Antonio Marcotegui, Alfonso Echave, Érik Aguirre, Eduardo Olariaga, Iera Gorostiaga, Javier Echevarría
AMB39	Valorización de subproductos agroalimentarios mediante pirólisis continua asistida por microondas para la producción de gas rico en H_2 y CO	Ana M. Ares-Fuentes, José Antonio Marcotegui, Alfonso Echave, Erik Aguirre, Aritz Estévez, Iera Gorostiaga, Javier Echeverría, Adur Ruiz
AMB40	Almond and walnut shells as alternative lignocellulosic raw materials for particleboard production	Simão Silva, Paulo Magalhães, Luísa H. Carvalho, Valentina F. Domingues
AMB41	Monitoring PFAS Occurrence in Potentially Contaminated Soils from Galicia (NW Spain) by UPLC-MS/MS	Santiago Feijoo-Montenegro1,*, Ivan Carabante2, Andrea L. Tasca2, Juan Antelo1, Carmela Monterroso1, Sarah Fiol3



AMB42	Seasonal co-occurrence of microplastics and phthalates in atmospheric particulate matter (PM10) at an urban traffic site	João Pinto da Costa, Sónia da Rocha, Ana Paço, Khawla Chouchene, Carolina Dias, Joana Barata, Anabela Pereira, Alexandra Nunes, Vânia Martins, Susana Marta Almeida, Teresa Rocha-Santos, Mário Cerqueira
AMB43	Purification of Ethyl Biodiesel Based on Circular Economy Principles through Adsorption Using Residual Biomass-Based Materials	Gabrielly C. Belarmino, Paulo Brito, Ana Queiroz, António E. Ribeiro, Maria Carolina Sérgi Gomes
AMB44	Geochemical characterization and organic matter distribution in sediments from the Ría de Ferrol	Tomás Cumbraos-Díaz1,*, Juan Antelo1, María Santiso1, Guillermo Díaz-Agras2, Ramiro Tato2, Marcos P. Señarís2, María Candás2, Andrés de Solaún2, Carmela Monterroso1, Sarah Fiol3, Xosé L. Otero1
AMB45	Estudio del efecto de aditivos sobre las propiedades fisicoquímicas y las emisiones atmosféricas de purines porcinos	María Fernández, Cristian Chacón, Elena Molina, Sagrario Salgado, Pilar Martín
AMB46	Una aproximación al muestreo de grandes volúmenes de agua para monitorizar microplásticos	J.M. Andrade-Garda, E. Llavero-López, A. López-Rosales, J. Terán-Baamonde, J. Lejo-Santiago, S. Muniategui-Lorenzo, Jose L. Cereijo-Arango, Jorge J. Delgado-Martín
AMB47	Chemometric challenges to identify microplastics in environmental samples	J.M. Andrade-Garda, C. Román-Zas, A. López-Rosales, E. Llavero-López, B. Fuente-Ferreiro, S. Muniategui-Lorenzo
AMB48	Behavior and mechanism of terbuthylazine adsorption on polyethylene microplastics in the marine environment	María José González-Castro*, David Fernández-Álvarez, Soledad Muniategui- Lorenzo, María Elisa Beceiro-González
AMB49	Cell-dependent cytotoxicity of bisphenol A and its substitutes: evidence from human hepatic, immune and erythrocyte models	Carina Proença, Inês Santos, Lara Vieira, Marisa Freitas, Eduarda Fernandes
AMB50	Desempeño de compuestos fúngicos para aplicaciones constructivas no estructurales: caracterización de Pleurotus ostreatus y Ganoderma lucidum	Guevara Garcia, Paulina; Duchicela, Jessica; Alpusig, Cinthya; López, Jessica; Cóndor, Kevin; Toapanta, Sebastián
AMB51	Immunotoxic effects of bisphenol A analogues on human neutrophils	Lara Vieira, Carina Proença, Inês Santos, Eduarda Fernandes, Marisa Freitas
AMB52	Reuse of organic waste as sustainable adsorbents for the removal of sertraline in aqueous systems	Maria Fernanda Lauterio Coelho, Camila Zoe Correa, Paulo Brito, Ana Queiroz, António E. Ribeiro
AMB53	Different technologies for the extraction of polysaccharides from Ulva spp. using green solvents	L. Veitía-de-Armas, V. Ruiz Valencia, M. Dolati, M.D. Torres, H. Domínguez



AMB54	Monitoring the WWTP at Porto airport - design of a µPAD for determination of nitrogen-based ions	Mafalda G. Pereira, Mariana S. Cruz, Sofia Rocha, António O. S. S. Rangel, Raquel B. R. Mesquita
AMB55	Optimized ultrasonication-redox depolymerization for controlled production of low molecular weight ulvan and carrageenan	V. de Santos, K.L. Baltrusch, M.D. Torres, H. Domínguez
AMB56	Aqueous matrix contaminated with antidepressants: Adsorption via activated charcoal from walnut shell	Karla C. A. Varela, Elisângela Düsman, Paulo Brito, Ana Queiroz, António E. Ribeiro
AMB57	A sustainable alternative for the selective synthesis of 2-aminoquinolines using porous ZnO/carbon composites	M. Al Bahri, S. Morales-Torres, L.M. Pastrana-Martínez, F. J. Maldonado-Hódar, E. Pérez-Mayoral
AMB58	Functional biomass-derived hydrothermal carbons highly efficient and selective for the green dihydroquinazolinone synthesis	M. Al Bahri, A. J. López Peinado, M. Adame-Pereira, Carlos J. Durán-Valle, E. Pérez-Mayoral
AMB59	Porphyrin-Functionalised Silica Materials for Water Decontamination: Metal Ion Adsorption	Nuno M. M. Moura, Chahrazad El Abiad, Y. Draoui, Smaail Radi, M. Amparo F. Faustino, M. Graça P. M. S. Neves
AMB60	HVO (Hidrobiodiesel) Frente a Diesel	M.C. Fernández-Feal, B. Sánchez-Fernández, L.R. Sánchez-Fernández
AMB61	Hydrothermal Zeolitization of Fly Ash-Based Geopolymers and Their Composites with Biomass-Derived Activated Carbon for Carbamazepine Removal	Lívia Firmani, Ana Paula Ferreira*, José A. Peres, Jose L. Diaz de Tuesta, Helder T. Gomes
AMB62	Influence of Heating at High Temperatures on the Behavior of Concrete with Incorporation of Diatomaceous Earths	Mónica Fernandes Gomes, Ana Paula Ferreira*, Débora Macanjo Ferreira
AMB63	Unlocking the Value of Shrimp By-Products through Sustainable Extraction Strategies	Andreia Marinho, Rafaela Costa, Inês S. Marques, Andreia Peixoto
AMB64	Effect of solvent on the microwave-assisted extraction of bioactive compounds from Melipona flavolineata geopropolis	Fernanda W. F. Bezerra1,3, Luiza H. da S. Martins2, Maria D. Torres3,4*, Herminia Domínguez3,4, Renan C. Chisté1,5
AMB65	Effect of Nitrogen Addition to the Headspace on the Extraction of Bioactive Compounds from Mentrasto (Ageratum conyzoides) by Autohydrolysis	Carolina Fernandes1*, Maria D. Torres2, Herminia D. González2, Ana Carolina de Aguiar1
AMB66	From Plants to Plant Protection: Green Solvent Extraction of Olive Pomace Biocompounds for Sustainable Phytopathogen Control	Érica N. S. Esteves, Sandra C. C. Nunes, Cecília I. A. V. Santos
AMB67	Experimental Assessment of PV Soiling Losses and Cleaning Profitability: The NOOR IV Solar Plant Case Study	Khalid Azizi



AMB68	Sustainable Valorisation of Chestnut Shells in Innovative Cosmetic Applications	J. Lains, B. Ferrás, Y. Manrique, M. F. Barreiro, C. G. Silva, M. M. Dias, R. J. Santos, A. Ribeiro, I. M. Martins
AMB69	Valorization of viticulture surplus from the Douro Demarcated Region: fatty acid and vitamin E profiles	Marlene Machado, Fernanda Cosme, Fernando Nunes, M. Beatriz P. P. Oliveira, Rita C. Alves
AMB70	Ultrasound-assisted extraction as a tool for grape pomace valorization: Optimization of phenolic recovery and antioxidant activity	Sara Maia, Thiago F. Soares, Juliana A. Barreto Peixoto, M. Beatriz P. P. Oliveira, Rita C. Alves
AMB71	Functional biomass-derived hydrothermal carbons highly efficient and selective for the green dihydroquinazolinone synthesis	M. Al Bahri1, A. J. López Peinado, M. Adame-Pereira, Carlos J. Durán-Valle, E. Pérez-Mayoral
AMB72	Physical Stability and Chromatographic Viability of Deep Eutectic Solvents for Environmental Analysis	Leandro dos S. Silva, Mario H. Gonzalez, José O. Fernandes, Sara C. Cunha
AMB73	Antimicrobial Activity of Neat Natural Deep Eutectic Solvents and Propolis Extracts	Nicolas Justus, Maria F. Sousa, Sandra Barbosa, Ana R. Circuncisão, Cristina Almeida-Aguiar, Izamara de Oliveira, Maria João Sousa, Paulo C. Kirnev, Susana M. Cardoso
AMB74	Preparação de MOF-5 a partir de resíduos de PET para valorização catalítica do CO2	Susana Guimarães1*, Salete S. Balula1, 2, Ana M.G. Silva3, Carlos R. Gomes4, Luís Cunha-Silva1, 5
AMB75	Integrated assessment of interconnected climate risks and cascading effects at the regional level in Galicia	Alicia García Delgado*, Pastora María Bello Bugallo
AMB76	Vulnerabilidad de recursos críticos en baterías para vehículos eléctricos: una aportación a la identificación de retos futuros	Yago Pérez Rey1*, Ângelo Adão Monteiro2,3, Laura Blanco García3, Pastora M. Bello Bugallo1,2,3, Jose Manuel Vila Abad1,4
AMB77	Textile waste valorisation for a circular economy: a systematic review of material recovery and waste conversion pathways	Yago Pérez Rey1*, Vaisakh Yesodharan2,3, Pastora M. Bello Bugallo1,2
AMB78	Is the European Union capable of ensuring a sustainable supply of raw materials for the energy transition?	Adrián Costas Coello1*, Laura Blanco García2*, Pastora M. Bello Bugallo1,2, Jose Manuel Vila Abad1,3
AMB79	Low-carbon enhanced oil recovery in the Orinoco Oil Belt: Integrating CCUS, CO_2-EOR and renewable steam generation for extra-heavy oil production	Adrián Costas Coello1*, Arturo J. Calvo Tiapa2, Marianny D. Álvarez Rodríguez2, Pastora M. Bello Bugallo2
AMB80	Panorama de la dependencia de materias primas críticas en la Unión Europea: el papel de las tecnologías limpias, el ecodiseño y el reciclaje	Antonio Pena Macho1*, Laura Blanco García2, Pastora Bello Bugallo1,2, Jose Manuel Vila Abad 1,



AMB81	The Orinoco Oil Belt as a Strategic Source of Critical Minerals: Towards an Integrated Hydrocarbon, Vanadium and Nickel Co-Production Model	Antonio Pena Macho1,*, Arturo J. Calvo Tiapa2, Pastora M. Bello Bugallo1,2, Jose Manuel Vila Abad1,3
AMB82	Baterías de nueva generación para la transición energética: Avances tecnológicos, retos y perspectivas de sostenibilidad	Ângelo Adão Monteiro1,*, Yago Pérez Rey2, Pastora M. Bello Bugallo1,2,3
AMB83	Análisis multicriterio de teledetección para la implementación de una microrred fotovoltaica en Lonhe, Cuanza Sul, Angola	Ângelo Adão Monteiro1,*, Adilson Domingos Caetano2,3, Pastora Maria Bello Bugallo1

Bioquímica y Biotecnología

Oral

BB01	Spray Incorporating Peptide- and Peptidomimetic-Based Ionic Liquid Conjugates for Topical Applications	Inês Costa, Ana Gomes*, Mariana Ferreira, Paula Gameiro & Paula Gomes
BB02	Lipophilic and phenolic profiling of Galactites tomentosus: insights into an underexplored thistle	A.C.S. Veríssimo, P. B. Andrade, D.C.G.A. Pinto
BB03	Subcritical Water Extraction for the Sustainable Valorization of Mediterranean Brown Seaweeds and the Recovery of High-Value Compounds	Sheyma Inoubli*, Wided Megdiche-Ksouri, Leila Ktari, Riadh Ksouri, Fethi Mensi, María Dolores Torres, Céline Laroche, Herminia Domínguez
BB04	Effect of Subcritical Water Extraction Temperature on the Chemical Composition and Structural Characteristics of Fractions from the Green Seaweed Chaetomorpha linum	Nour Aslouj, Sheyma Inoubli, Wided Megdiche-Ksouri, Leila Ktari, Fethi Mensi, María Dolores Torres, Céline Laroche, Riadh Ksouri, Herminia Domínguez
BB05	Chemical Interactions at the Oral Interface: Nanoscale Mapping of Astringency in Cell-Based Models	I. M. Ferreira1, F. A. Carvalho, A. S. Fernandes, N. C. Santos, S. Soares
BB06	Chemical diversity of astringents shapes mechanosensitive Ca^{2+} signalling in a human Merkel cell-based model	Sara A. Martins, Joana P. Guedes, Susana Soares
BB07	From Galloylation to Oral Retention: Chemical Drivers of Interindividual Variability in Black Tea Astringency	Joana P. Guedes, Sara A. Martins, Ricardo Franco-Duarte, Elsa Brandão, Susana Soares
BB08	Purification of antileukemic biopharmaceuticals using carbon xerogels	Francisco M. Moreira; Rita A.M. Barros; Rui S. Ribeiro; Ana P.M. Tavares; Raquel O. Cristóvão; Cláudia G. Silva; Joaquim L. Faria
BB09	Valorization of coffee silverskin as a functional food ingredient: in vitro assessment of its anti-metabolic syndrome potential	Juliana A. Barreto-Peixoto, Cláudia Silva, Nelson Andrade, M. Beatriz P. P. Oliveira, Fátima Martel, Rita C. Alves



BB10	Functional biomembranes based on polysaccharides and polyphenols to improve oral mucositis	Ana Carolina Alves, Joana Guedes, Luís Cruz, Susana Soares
BB11	Optimization of propolis extraction from Montesinho Natural Park towards sustainable cosmetic ingredients	Maria F. Sousa, Nicolas Justus, Sandra Barbosa, Ana R. Circuncisão, Cristina Almeida-Aguiar, Izamara de Oliveira, Maria C. Ribeiro, Maria J. Sousa, Olívia Pereira, Susana M. Cardoso.
BB12	Molecular Dynamics Simulations of the Temperature Dependence of Early Amyloid-β42 Oligomerization	Gabriel Martins, Cristiano Rocha, Nuno Galamba

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BB13	Estudio de la adsorción superficial de sulfametoxazol en nanopartículas de óxido de circonio mediante espectrometría vibracional	E. Felipe de la Torre, P. Rodríguez Rodríguez, A.J. Aller, R. López González, F.J. Pereira García
BB14	Solid–Liquid Extraction of Gramicidin from Aneurinibacillus aneurinilyticus Fermentations Using PBS and Membrane Technology: Effect of Agitation Rate	N. Russo-Martínez, X. Vecino, A.B. Moldes, J.M. Cruz
BB15	Real-Time Kinetic Absorbance Microplate Assay for Monitoring Acinetobacter baumannii-Phage Infection	Joana L. A. Miranda, Aurora Silva, Fátima Barroso, Júlia M. C. S. Magalhães
BB16	Organ-specific phytochemical profiles of Galactites tomentosus	A.C.S. Veríssimo, P. B. Andrade, D.C.G.A. Pinto
BB17	Exploring the Effect of Cinnamomum burmannii on Blood Coagulation	Mohammed Benhamou, Vanessa Paula1, Josiana Vaz , Olivia Pereira, Mª João Sousa
BB18	Effects of Choline Salt–Urea DES Formulations on Bovine Carbonic Anhydrase II: Experimental and Molecular Dynamics Analysis	Daniel J. M. Agostinho, Matheus M. Pereira, Mariana Emilia Ghica
BB19	MALDI-TOF-MS profiling of Gramicidin S analogue extracts: effects of culture medium and storage temperature on the stability of mass spectral profiles	N. González-Fernández, A. López-Prieto, J.M. Cruz and A.B. Moldes
BB20	Consensus QSAR modeling for virtual screening of acetylcholinesterase inhibitors	Cláudia Novais1,2, Carlos S. H. Shiraishi 1,3, Carla Pereira1, Celestino Santos Buelga2, Rui Abreu1,*
BB21	Evaluation and Optimization of Seed Disinfection and Germination Protocols in Eruca sativa and Brassica oleracea var. acephala	Cláudia Novais1, Ailine Fortes Alves1, Maria João Sousa1, Carla Pereira1, Maria Inês Dias1,*
BB22	Effects of De Novo Peptides on Aβ42 Oligomerization: Molecular Dynamics Insights	Cristiano Rocha1,*, Gabriel Martins1, Nuno Galamba



Catálisis y Fotocatálisis

Oral

CAT01	Integrated advanced oxidation processes for salicylic acid degradation using Graphene Oxide/ZnO/$BaSnO_3$	Flávio H. C. Boldrin, César A. F. M. P. Lico, Ikaro Tessaro, Bruno H. B. Silva, Laila G. Andrade, Camilla G. Mascarenhas, Diogo G. Abreu, Pedro H. L. N. A. Santos, Nuno P.F. Gonçalves, Tito Trindade, Liana A. Rodrigues
CAT02	Tailored Cu-Doped ZnO Nanoparticles for Enhanced Photocatalytic Degradation: Optimization of Cu Doping and Immobilization on 3D Printed Scaffolds	Chiara Grassi, Tito Trindade, Corrado Barani, Gigliola Lusvardi, Alfonso Zambon, Nuno P. F. Gonçalves
CAT03	Bauxite residue-derived Fe_2O_3/g-C_3N_4 composites for photocatalytic degradation of emerging water pollutants	Caroline M. B. Araujo, Pedro F. T. Neves, Rui M. Novais, Tito Trindade, Nuno P. F. Gonçalves
CAT04	Sustainable Magnetic Biochar Catalysts for Glycerol Valorization to Solketal	Ó. Pellaumail, C.N. Dias, S.M. Bruno, L. Dias, B. Gholamahmadi, S.S. Balula and F. Mirante
CAT05	Blue Light, Blue Dye: Photocatalytic Guanylation of Sulfonylthioureas	Manuel J. Verganista, Augusto C. Tomé, Carlos M. Monteiro, Nuno R. Candeias
CAT06	Microwave-assisted green synthesis of nanomaterials for photocatalysis	Amanda Martinello Neres de Souza, Daniel Luiz Stamm Baldisserotto, Heloise Dendena, Daniel Eduardo Weibel
CAT07	Effect of Support Nature on the Catalytic Performance of Cobalt Based Fischer–Tropsch Catalysts	Thais Berberich, Claudia Magalhães, Bruno Machado, Dânia Constantino, Helder T. Gomes, Joaquim Faria
CAT08	Electrochemical synthesis of ligand-free transition-metal clusters for sustainable redox catalysis	José M. Blanco Trillo, Selene Giráldez Ferreira, Xabier Lesta Yáñez, Violeta barca neukötter, M. Arturo López Quintela, Carlos Vázquez Vázquez.
CAT09	Estabilidade e reutilização aprimoradas de fotocatalisadores à base de Ag3PO4 por meio de um compósito magnético Fe3O4/HDL/Ag3PO4/AgBr	Fabiano Scolfaro Cheri, Geovânia Cordeiro de Assis, Antonio Carlos Silva Costa Teixeira
CAT10	A Multimodal Machine Learning Framework for Photocatalyst Design in Hydrogen Production	Ana Luísa Machado, Cláudia Silva, Maria José Sampaio, Idelfonso B. R. Nogueira
CAT11	3D-Printed Photocatalytic Immobilised Systems for Green Hydrogen Production	Isabel S.O. Barbosa, Maria A.O. Silva, Yaidelin A. Manrique, Joana C. Lopes, Maria J. Sampaio, Joaquim L. Faria, Ricardo J. Santos, Cláudia G. Silva
CAT12	Enhancing Photocatalytic Hydrogen Evolution through RuO2 modified Graphitic Carbon Nitride	Joana P. Ramos, Joana C. Lopes, Geovânia C. Assis, Joaquim L. Faria, Maria J. Sampaio, Cláudia G. Silva
CAT13	Visible-light-driven photocatalytic ammonia-to-hydrogen process using g-C3N4-based materials	Rafael C. Carneiro, Joana C. Lopes, Goran Dražić, Maria J. Sampaio, Joaquim L. Faria, Cláudia G. Silva



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CAT14	Catalytic ozonation of salicylic acid using atmospheric air and a Carbon Xerogel/ZnO/$BaSnO_3$ catalyst	Flávio H. C. Boldrin, Ikaro Tessaro, Bruno H. B. Silva, Laila G. Andrade, Camilla G. Mascarenhas, Diogo G. Abreu, Pedro H. L. N. A. Santos, Tito Trindade, Liana A. Rodrigues
CAT15	Activity–Selectivity Trade-Off in Cobalt Fischer–Tropsch Catalysts Supported on Si-Modified Alumina	Thais Berberich, Claudia Magalhães, Bruno Machado, Dânia Constantino, Helder T. Gomes, Joaquim Faria
CAT16	Removal of sulfamethoxazole and paracetamol by Fe-containing polymeric membranes: CWPO versus persulfate activation	Kurtebayeva A.A., Silva A.S., Álvarez-Torrellas S., Gomes H.T., Kalmakhanova M.S.
CAT17	Role of TiO_2 Crystalline Phases in Light-Driven H2 Evolution over RuO_2/g-C_3N_4-based Photocatalysts	Joana P. Ramos, Matilde M. Vilela, Geovânia C. Assis, Joana C. Lopes, Joaquim L. Faria, Cláudia G. Silva, Maria J. Sampaio
CAT18	Development of Ag3PO4/g-C3N4 Photocatalysts for the Removal of Organic Pollutants	Fabiano S. Cheri1,2*, Geovânia C. de Assis2, Cláudia G. Silva1, Joaquim L. Faria1, Antonio Carlos Teixeira2, Maria J. Sampaio1

Enseñanza de la Química

Oral

EDU01	La necesidad de matematizar conceptos de química	Ana María Gayol Gonzalez, Sandro Javier González Lafarga, Sandra Marcela Vera
EDU02	From Spectra to Exoplanets: Introducing Astrochemistry in Primary Education	Juan Carlos Ferreira Nolasco
EDU03	Análisis curricular y enfoque CTSA en las pruebas de la Olimpiada Gallega de Química: potencial para el Flipped Learning y la IA	Juan José Sanmartín Rodríguez, José Manuel Andrade Garda

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EDU04	É urgente preparar a geração futura para uma posição ativa relativamente aos oceanos	teresa maria de oliveira garcia; Luz Parallé, Sérgio Rodrigues
EDU05	Energy for a Sustainable Future: Exploring New Educational Approaches	Laura Blanco Garcia1*, Pastora Bello Bugallo1

Química Industrial e Ingeniería Química

Oral

IND01	Engineering trade-offs in biosurfactant recovery from a corn-derived stream: A comparative pilot-scale study of diffusion dialysis vs electrodialysis	X. Vecino, M. Reig, J.M. Cruz, J.L. Cortina, A.B. Moldes
IND02	Methane/Hydrogen Separation Using a Hierarchically Structured 3D-Printed Porous Carbon Monolith	Laura Bueno, Jose A. C. Silva, Adriano Henrique



IND03	Phenolic-rich purified extracts from Paulownia tomentosa fruits: formulation of starch films for potential health applications	Francisco Díaz-Seoane, Lenka Molčanová, M. Dolores Torres, Eloi Funtané, José María Funtané, Karel Šmejkal, Herminia Domínguez
IND04	Barrier Performance of Natural Rubber Aqueous Dispersion Coatings for Paperboard	Maylee Saavedra, Ricardo Lourido, José Quibén, Ramón Moreira
IND05	BIOCO$_2$PRO: engineering feedstocks for flexible biogenic CO_2 and syngas production	Isabel B. Calhau, Patrícia Braga, Luís A. C. Tarelho, Athanasios Papadopoulos, Valter Silva
IND06	Experimental Determination and Machine Learning Modeling of Amino Acid Solubility in Aqueous Electrolyte Solutions	S. P. Pinho[1], P. H. Hamasaki[1]*, C. A. Piske[1], O. Ferreira[1], M. A. R. Martins[1], D. O. Abranches[2] and J. A. P. Coutinho[2]
IND07	Acidogenic Fermentation of Lipid Industry Wastes as a Sustainable Valorization Strategy	André Oliveira, Júlia Chegão, Sílvia Petronilho, Mário Coelho, Ricardo Magalhães, Luísa S. Serafim
IND08	Beyond Conventional Re-Refining: Supercritical CO_2 for the Recovery of Challenging Waste Lubricating Oil Streams	C.I.A.V. Santos, L.M. Gando-Ferreira

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IND09	Producción continua de biochar a escala industrial mediante pirólisis a vacío en reactor Auger: criterios de selección de biomasa y aplicación en tintas conductoras para electrodos serigrafiados (SPE)	Manuel Santiago Melón Guntín, David Sucunza Sáenz, Antonio Berná Galiano, Sergio David Gonzalez Egido
IND10	Compostos bioativos sustentáveis derivados de microalgas e cianobactérias para aplicações cosmecêuticas e nutracêuticas (SMACC+)	Legido José Luis, Mourelle Lourdes, Ocampo, Víctor, Domínguez, Herminia, Granja, Luana2, Torres, Mª Dolores, Principe, Tonia, Betancor, Abenchara, Barreiro, Filomena, García Vaquero, Marco, Alsamhi, Saeed, O´Brolchain, Niall, Monteiro, Laura, Brito, Gonçalo, Picot, Laurent, Bardor, Muriel
IND11	Efecto de la proporción HPMC:MC sobre las propiedades físicas y oxidativas de oleogeles de aceite de colza	Mario Lama, Amaya Franco-Uría, Ramón Moreira
IND12	Reología de las masas y características de magdalenas de harina de yuca elaboradas con mantequilla o aceite con y sin gelación	Mario Lama, Santiago Arufe, Amaya Franco-Uría, Ramón Moreira
IND13	Influence of Fishery By-Product Type and Hydrolysis Conditions on the Obtention of Protein Hydrolysates and Antioxidant Bioactive Peptides	Sofia Viciana-Mosquera, Noelia López Cotelo, Amaya Franco-Uría, Maria López Pedrouso, José Antonio Vázquez, Jorge Sineiro, Luis T. Antelo, Daniel Franco
IND14	Influence of Rosin and Zinc Oxide on the Structure and Rheology of Natural Rubber Aqueous Dispersions	Maylee Saavedra, Ricardo Lourido, José Quibén, Ramón Moreira



IND15	Valorización de residuos agroforestales para la fabricación de bandejas de celulosa moldeada	De Castro Alves, Lisandra, Espinosa Victor, Eduardo, Francisco Fuentes, J.L., Quintero Sánchez, Manuel
IND16	Linking physicochemical properties and heavy-metal adsorption in biomass-derived carbons through multivariate analysis	Joseph I. Ramírez-Hernández, Diego Gómez-Díaz, M. Sonia Freire, Julia González-Álvarez
IND17	Fig and Almond Pruning Biomass as Low-Cost Adsorbents for Nitrate Removal from Aqueous Solution	Yesica VIcente, Ángela Muñoz, Patricia Gómez, Diego Gómez-Díaz, M. Sonia Freire, Julia González-Álvarez
IND18	3D Printing of Biodegradable Hydrogels for Lutein Incorporation	Madalena Marques, Sofia Saraiva, Rafael C. Rebelo, Carlos Paula, Mariana Emilia Ghica
IND19	Procesos de modelización/simulación en la síntesis y purificación de un ester de amilo	José Canosa, Julio Rufo, Beatriz Lorenzo, Juan Ortega

Nanoquímica y Nanotecnología

Oral

NN01	Quantum Heterojunctions Enabling Textile All-in-One Photo-Supercapacitors	João M. O. Silva, André M. Pereira, Clara R. Pereira, Joana S. Teixeira
NN02	Role of the Electrogenerated Hydrophilic Carbon in the Formation, Stability and Activity of Pd nanoparticles	Andreia Veloso*, Cristina Oliveira
NN03	Surfactant-free colloidal syntheses of metal nanoparticles: challenges and opportunities for catalysis and beyond	Javier Eiroa Soto and Jonathan Quinson
NN04	Multifunctional Smart Security Labels for Anti-Counterfeiting Textiles	Marta S. Nunes, Ana R. Sousa, Felippe Gonçalves, M. Helena Silva, Tomás Gonçalves, Clara R. Pereira, André Pereira
NN05	Smart Photoswitchable Organic-Inorganic Hybrid Nanomaterials for Light-Responsive Textile Applications	Gabriela Werdan, Joana S. Teixeira, Clara R. Pereira
NN06	Development of Nanoformulations for Oral Administration and Treatment of Crohn's Disease	Rita F. R. Cardoso; Clarisse Lopes; Ana Rita Saraiva; Cláudia Machado; Joana Moreira; Francisco Otero-Espinar; Miguel Pinto; Carlos Fernandes
NN07	Biomimetic Non-Lamellar Lipid Nanoparticles for Bioactive Compound Delivery	Ana Amorim1, Sofia Oliveira1,2, Ana Isabel Barbosa1, Ibraheem Yousef3, Cláudia Nunes1, Andreia Granja1,*, Salette Reis

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NN08	Purpurin 18-Assisted Formation of Gold Nanoparticles on WS_2 Nanoflakes for Cancer Therapy	Noelia González-Ballesteros 1,*, Melissa Santi 2,3, Evie L. Papadopoulou 4, Francesco Bonaccorso 4, Franca Bigi 5,6, Giancarlo Salviati 6 and M Carmen Rodríguez-Argüelles1



NN09	Carbon Nanomaterials as Photo-Active Materials in Textile All-in-one Photo-Supercapacitors	João M. O. Silva, Gonçalo M. Araujo, André M. Pereira, Clara R. Pereira, Joana S. Teixeira
NN10	Cysteamine-Functionalized ZnPPIX for Integration with PVP-Stabilized Silver Nanoparticles: Optical and Photochemical Characterization	Santos D.M.L1,*, Ribeiro M.J.G, Marmo. V.L.M, Raniero L. J, Soreto S
NN11	Exploring Liposomal NanoSystems for Delivery of Triphenylphosphonium Derivatives	Rita F. R. Cardoso, Clarisse Lopes, Joana Moreira, Barbara Nunes, Cláudia Sampaio Machado, Miguel Pinto, Fernando Cagide and Carlos Fernandes
NN12	Electrochemical synthesis of ligand-free iron clusters: ascorbic acid oxidation and antibacterial evaluation	José M. Blanco Trillo, Blanca Domínguez Loidi, Selene Giráldez Ferreira, Xabier Lesta Yáñez, M. Arturo López Quintela, Carlos Vázquez Vázquez.
NN13	From milk cream to functional nanocarriers: a sustainable approach for curcumin delivery	Ana D. Torres, João Albuquerque, Filipa Soares, Cláudia Nunes, Salette Reis
NN14	From Sea to Skin: Dunaliella salina Nanoparticle-Loaded Hydrogels for Skin Hydration and Regeneration	Tito Teixeira, Maria Antónia Salgado, Sofia A. Costa Lima
NN15	Ingeniería de Nanomateriales para el Almacenamiento Sostenible de Energía: Retos y Perspectivas Emergentes	Dra. Elisabeth Viviana Lucero Baldevenites
NN16	Development of Sustainable Lignin-Based Nanoplatforms with Magnetothermal and Optical Properties	Manuel Antonio González Gómez, Yolanda Piñeiro y José Rivas

Química de Polímeros

Oral

POL01	Desenvolvimento e caracterização de matrizes biopoliméricas para revestimentos alimentares	Tayna C. B. Souza, B. Nogueira, Catarina P. Gomes,1 Custódio Lobo Roriz, Isabel P. Fernandes,Rolando C. S. Dias, Miguel A. Prieto, Filipa A. Fernandes, Sandrina A. Heleno,

Poster

POL02	Design and synthesis of perchlorotriphenylmethyl radical-based covalent triazine framework for lithium-ion storage	Tianshu Zhang, Arindam Mal, Manuel Souto
POL03	PVC Insulation, Elongation and Product Robustness	Sandra Matos, Ana Luís
POL04	Potencial de diferentes quitosanos para o desenvolvimento de revestimentos alimentares	Tayna C. B. Souza, Catarina P. Gomes, Custódio Lobo Roriz, Izamara de Oliveira, Isabel P. Fernandes, Rolando C. S. Dias, Miguel A. Prieto, Filipa A. Fernandes, Sandrina A. Heleno
POL05	Shrinking Process Optimization	Sandra Matos, Guilherme Ferreira



POL06	From Wheat Straw to Functional Food Packaging: Cellulose- and Lignin-Stabilized Pickering Emulsions for Sustainable Coatings	Eduardo Espinosa1, Esther Rincón1, De Castro Alves, Lisandra2*, Francisco Fuentes, J.L.2, Quintero Sánchez, Manuel2

Química Analítica

Oral

QA01	From conventional water sampling to a miniaturized solid phase extraction sampling strategy for metal ions monitoring	Tânia C. F. Ribas*, Inês O. M. S. Dias, Raquel B. R. Mesquita, António O. S. S. Rangel
QA02	Reliable lithium quantification in waters with ionic strength: ICP-OES method validation and uncertainty assessment	Raquel T. Fernandes, Daniela S. Tavares, Eugénio Soares, João Rocha, Eduarda Pereira
QA03	Orfinas Emergentes em Amostras de Drug Checking: Identificação e Elucidação Estrutural	Bárbara F. C. Barra; Joana R. P Pereira; Ana S. D. Ferreira; Gonçalo C. Justino; Rui M. Almeida; Hans Oeri; Alexandre Quintas; Nuno R. Neng
QA04	Dispositivo analítico basado en papel asistido por smartphone para la detección colorimétrica de azúcares reductores en miel	Vanesa Romero, Alicia Carro, Carlos Bendicho, Isela Lavilla, Francisco Pena-Pereira
QA05	Desarrollo de una sonda fluorescente basada en puntos de carbono sintetizados mediante UV/H_2O_2 para la detección de bisfenol A en alimentos	Alberto Abalde-Pujales, Vanesa Romero, Francisco Pena-Pereira, Carlos Bendicho, Isela Lavilla
QA06	Determinación colorimétrica cinético-catalítica de vanadio mediante un dispositivo microfluídico tridimensional basado en papel	N. Villarino, E. Treviño, I. Lavilla, C. Bendicho, F. Pena-Pereira
QA07	Towards Integrated Wine Analysis: Automated Determination of Carbon Dioxide and Sulphur Dioxide	Bartłomiej Trojanowski , Tania C.F. Ribas, Raquel. B.R. Mesquita, Antonio O.S.S.
QA08	Development of a 3D-microfluidic paper-based analytical device for phosphate determination with smartphone-based colorimetric detection	Inmaculada De la Calle-González*, José Manuel Graña-Dosantos, Francisco Pena-Pereira
QA09	Electrochemical DNA-based biosensors to discriminate against the rs1065852 SNPs genotypes associated with drug-resistant epilepsy	Renata Santos, Stephanie L. Morais, João Pacheco, Henri Nouws, Hygor Fernandes, Giovanny Pinto, M. León-Vázquez, D. San Juan-Orta, Karen L. Benítez-Rodríguez, I. Ruíz-Santillán, Iris Feria-Romero, M. Fátima Barroso
QA10	Sustainability-by-Design Sample Preparation for Thermal-Processing Contaminants in Infant Foods	J. A. Custodio-Mendoza1,2*, M. R. Pérez-Gregorio1, M. Llompart3, A. M. Carro2,4, E. Martinez-Carballo1
QA11	Integrated One Health Monitoring Tool for On-Site Nitrate and Nitrite Analysis	Francisca T. S. M. Ferreira, António O. S. S. Rangel, Raquel B. R. Mesquita
QA12	Aplicación de LA-ICP-MS á análise de mostras líquidas: determinación de elementos traza en leite	Domínguez-Robles I., Herbello-Hermelo P., Domínguez-González R., Bermejo-Barrera P., Moreda-Piñeiro A.



QA13	Flow-based method for glyphosate monitoring in well water samples for human consumption	Juliana I. S. Aguiar, António O. S. S. Rangel, Raquel B. R. Mesquita
QA14	A sequential injection chromatographic approach for molecular weight screening of protein hydrolysates	Raquel Teixeira, Tânia C. F. Ribas, André Almeida, Manuela Pintado, António O. S. S. Rangel
QA15	Desenvolvemento dun método para a determinación de nanopartículas de cerio e ferro en material particulado atmosférico	González-Barcia Sheila*, Pumares-Guntín Elena, Barciela-Alonso María Carmen, Moreda-Piñeiro Antonio, Peña-Vázquez Elena, Vázquez-García María José
QA16	Addressing gadolinium contamination from hospital effluents: A sustainable approach for protecting aquatic water quality	Eduarda Pereira, Daniela S. Tavares, Rosa Freitas, Tito Trindade, Raquel Fernandes, Thiago Silva, João Rocha
QA17	Electrochemical Procedures Coupled To CYP450 Metabolism For Control And Environment Risk Analysis Of Transdermal Patches	José Pedro Silva, Célia G. Amorim, Alberto da Nova Araújo
QA18	Plataformas sensoras baseadas em pontos quânticos e polímeros molecularmente impressos imobilizados em suportes sólidos: desenvolvimento, reconhecimento molecular e aplicações	Eduarda Rodrigues, Rafael C. Castro, Ana Margarida L. Piloto, João L. M. Santos e David S. M. Ribeiro
QA19	Caracterización de gasolinas mediante el perfil de hidrocarburos (HCs) ligeros saturados (C1-C7) de la fase de vapor	Luis Alejandro Díaz Flores, Pablo Hugo Zárraga Luqueño, Telma Gloria Castro Romero, Ma. Amparo Martínez Arroyo, Lara Bárbara Cuesta Castillo

Poster

QA20	SENTINEL Project: Analytical Characterization of Emerging Nitazene Opioids	Bárbara F. C. Barra, Joana R. P. Pereira, Mariana P. Madeira, Sara F. Amaral, Daniela R. Ferreira, Marisa H. Maria, Joana Couceiro, Patrícia Serra, Helena Gaspar, Alexandre Quintas, Nuno R. Neng
QA21	Targeting Emerging Nitazenes: Development and Validation of a GC–MS/MS Method for Drug Checking Samples	Joana R. P Pereira; Bárbara F. C. Barra; Suzana Fonseca; Alexandre Quintas; Nuno R. Neng
QA22	Identifying the Botanical Origin of Honeys: Single-walled carbon nanotube-based genosensors for the detection of Erica arborea in honey samples	Stephanie L. Morais, Marlene Santos, Ana L. Teixeira, Valentina F. Domingues, Cristina Delerue-Matos, M. Fátima Barroso
QA23	New chemosensor and nano-liquid chromatography for the determination of phenols in environmental waters	M.C. Prieto-Blanco, B. Monforte-Gómez, P. Campíns-Falcó
QA24	Validación de un método automatizado basado en volumetría potenciométrica para la determinación de la acidez total en vinos	María José González-Castro*, Julia María Medín-Crespo, Iago Neira, Jaime Fernández-Paz



QA25	Chiral Resolution and Biological Activity of Novel Terpene-Based Cannabinoids	Gabriel V. L. Marques, Rita M.G. Santos, Irene Pereira, Cristina P.R Xavier, Carla Fernandes, Maria Emília Sousa, Renata B. de Oliveira
QA26	Optimización de separaciones por HPLC mediante diseños experimentales Box–Behnken y Doehlert	E. Felipe de la Torre, N. Porto González, P. Ablanedo Ablanedo, A.J. Aller, R. López González, F.J. Pereira García
QA27	Diseño y optimización de un método de preconcentración de etinilestradiol y estriol mediante microextracción líquido-líquido dispersiva asistida por ultrasonidos (ua-dllme) para su análisis por fluorimetría	I. Martínez-Garrido,*, E. Felipe-de la Torre, S. Martínez-Mendoza, R. López, A.J. Aller, F.J. Pereira, L.C. Robles.
QA28	Determinação simultânea de amoxicilina e ácido clavulânico em formulações farmacêuticas usando pontos quânticos de $AgInS_2$ e quimiometria	Rafael C. Castro, Ricardo N. M. J. Páscoa, Eduarda Rodrigues, João L. M. Santos, David S. M. Ribeiro
QA29	Sondas fluorescentes combinadas de pontos quânticos e análise quimiométrica para a determinação cinética de cloranfenicol em formulações farmacêuticas	David S. M. Ribeiro, Ricardo N. M. J. Páscoa, Eduarda Rodrigues, João L. M. Santos, Rafael C. Castro
QA30	Sensor Raciométrico Baseado em Membranas Molecularmente Impressas para a Deteção no Local do CA 19-9	Eduarda Rodrigues, Ana Xu, Paula Sampaio, Rafael C. Castro, David S. M. Ribeiro, Ana Margarida L. Piloto e João L. M. Santos
QA31	Towards Online CO_2 Monitoring in Power Transformers: Evaluation of NDIR Sensors Detection in Spiked Oil Samples	Inês N. Vilhena, Vítor R. Costa, Roberto Laranjeira1, Denis R. Santos, João Piteira, Hugo M. Oliveira
QA32	Gas sensors characterization for dissolved gas analysis of power transformer oil	Vítor R. Costa, Inês N. Vilhena, Roberto Laranjeira, Denis R. Santos, João Piteira, Hugo M. Oliveira
QA33	Análisis de componentes principales (PCA) del perfil de hidrocarburos y su aplicación en la caracterización de diésel	Luis Alejandro Díaz Flores, Adolfo Jesús Chávez Cortez, Telma Gloria Castro Romero, Ma. Amparo Martínez Arroyo, Lara Bárbara Cuesta Castillo

Química Física

Oral

QF01	Exploring the Solid-State Landscape of Leflunomide: Polymorphism and Multicomponent Systems	Nuno A. S. Santos, João A. Baptista, João Canotilho, M. Ermelinda S. Eusébio, Ricardo A. E. Castro, Teresa M. R. Maria

Póster

QF02	Estudo microcalorimétrico do crescimento de Pediococcus acidilactici em meio de cultura enriquecido	Gómez, Carmen , Franco, Javier, Lago, Natividad, Legido, José Luis, Pardellas-Soto, Jorge, Veiga-Sans, Sonia, Pérez-Gregorio, Rosa



QF03	From Pyrazines to Bipyridines: Structural and Spectral Parallels Across Leflunomide Multicomponent Assemblies	Nuno A. S. Santos, João A. Baptista, João Canotilho, M. Ermelinda S. Eusébio, Ricardo A. E. Castro, Teresa M. R. Maria

Química Inorgánica

Oral

QI01	A mononuclear Dy-N3O5 complex with single-molecule magnet behavior	P. Oreiro-Martínez, E. García-Gorraiz, J. Corredoira-Vázquez, A.M. García-Deibe, M. Fondo
QI02	Assessing Charge Transfer in Halogen Bonds: A Comparative Study Using OP/TOP, QTAIM, and LVM Descriptors	Rachel A. Maia, Carlos V. Santos-Jr, Julio Corredoira-Vazquez, Ricardo L. Longo, Albano N. Carneiro Neto, Renaldo T. Moura-Jr
QI03	Synthesis, structure, and in vitro cytotoxicity of a dinuclear Cu(II) complex based on a bis(thiosemicarbazone) ligand	I. Velo-Heleno, A. Luzardo, S. Fernández-Fariña, R. Pedrido, A. M. González-Noya
QI04	Synthesis of Platinum Complexes based on Gemcitabine and Cytidine	Giulia Orsini, Ines Leitão, Ana Petronilho
QI05	Rutenio(II) e Tiosemicarbazonas: novas prespectivas na loita contra o cancro de mama triple negativo.	Mónica Martínez Estévez, Ezequiel Vázquez López, Soledad García Fontán, Isolda Romero Canelón
QI06	Coordination behavior and reactivity of $\{M(CO)_3\}^+$ (M = Tc, Re) complexes bearing thiosemicarbazone-carborane ligands	Irene Vázquez Carballo, Maximilian Roca Jungfer, Antonio Sousa Pedrares
QI07	Substituent Effects on C–C and C–H Bonding: A Multi Descriptor Investigation via Electron Density Overlap	Robson F. Silva, Rachel A. Maia, Carlos V. Santos-Jr, Albano N. Carneiro Neto, Renaldo T. Moura-Jr
QI08	Valorização de resíduos PET e CO2 através da preparação do MOF Co-BDC para a produção de carbonatos cíclicos	Susana Guimarães1*, Salete S. Balula1, 2, Ana M.G. Silva3, Carlos R. Gomes4, Luís Cunha-Silva1, 5

Poster

QI09	JoyAI: A machine learning approach for predictions of ligand excitation energies in lanthanide-based complexes	Rachel A. Maia, Emanuel E. M. Feitosa, Maria M. S. Silva, Carlos V. Santos-Jr, Julio Corredoira-Vazquez, Ricardo L. Longo, Albano N. Carneiro Neto, Renaldo T. Moura-Jr
QI10	A route to zinc(II) helical complexes from bishydrazones	I. Velo-Heleno, M. Rodríguez-Padrón, M. Martínez-Calvo, C. Núñez, L. Rodríguez-Silva, M. Maneiro
QI11	Gold(I)-NHC Complexes Derived from Uracil and Cytosine: Synthesis, Characterization and Potential Applications	Giulia Romeo, Ana Petronilho
QI12	Study and comparison of the stability of two iminophosphorane ligands: carborane versus organic	Irene Vázquez Carballo, Antonio Sousa Pedrares



QI13	Modulating Defect States in Real-Sized Lanthanide-Doped Nanoparticles	Robson F. Silva, Rachel A. Maia, Carlos V. Santos-Jr, Albano N. Carneiro Neto, Renaldo T. Moura-Jr
QI14	Machine learning applied to the magneto-optical properties of lanthanide metal complexesMachine learning applied to the magneto-optical properties of lanthanide metal complexes.	Breogán Lago-López; Julio Corredoira-Vázquez ; Albano N. Carneiro Neto
QI15	Machine Learning-Driven Prediction of Judd-Ofelt Parameters and Hypersensitive Ratios in Europium(III) Complexes	Daniel Nieto-Pastoriza, Julio Corredoira-Vazquez, Renaldo T. Moura, Matilde Fondo, Albano N. Carneiro Neto

Química Orgánica

Oral

QO01	Continuous-Flow Synthesis and Process Optimization of MANIO:A Scalable Route to a Promising p53-Targeting Anticancer Agent	Margherita Gajo1,*, Maria I. L. Soares1, Lucília Saraiva2, Teresa M. V. D. Pinho e Melo1
QO02	From organic chemistry lab to the sea: exploring 3,4-dihydroxyxanthone as a sustainable antifouling agent	Bruno S. M. Loureiro, Catarina Costa, Ana R. Sampaio, Raquel Ruivo, Ana Sara Gomes, Joana Almeida, Marta Correia da Silva
QO03	Valorização de grafite reciclada através da incorporação de óxido de grafeno em betão	Luís M. G. Ferreira, Rita Silva, Ricardo Pereira, Maria Regufe, Dulce Geraldo, Susana P. G. Costa
QO04	Validation of Quantum Chemistry Predictions. Quinoidal-Base Tautomers in Anthocyanins and Related Compounds	Pereira, Rui; Mahmoodi, Hanieh; Basílio, Nuno; Lima, João C. ; Outis, Mani.; De Freitas, Victor; Cruz, Luis; Pina, Fernando
QO05	N,N-dimethylformimidamide Purines as new fluorescent platforms: Synthesis, photophysical properties and quantum chemical calculations	Jorge M. Gonçalves, Elisabete M. S. Castanheira, Paulo J. G. Coutinho, Alice M. Dias
QO06	Challenges and breakthroughs in developing potent antifungal and halochromic dyes: tackling the problem of selective synthesis	Mariana P. Silva, Bárbara Silva, Inês Costa, Paulo J. G. Coutinho, Eugénia Pinto, Alice M. Dias
QO07	Spectroscopic Characterization of Dynamic Complexes between Anthocyanins and a Boronic Acid-Chalcone Receptor	Mariana Cunha, Victor de Freitas, Luís Cruz
QO08	Discovery of First-in-Class Melanostatin-Based Ago-Allosteric Modulators of Dopamine D2 Receptors	Hugo F. Costa Almeida; Xavier C. Correia; Sara C. Silva-Reis; Beatriz L. Pires-Lima; Vera M. Costa; Eddy Sotelo, José E. Rodríguez-Borges; Ivo E. Sampaio-Dias
QO09	Molecular Engineering of Porphyrin–PAHs for Functional π-Conjugated Materials In-Solution and On-Surface	Ana R. Monteiro, Marina Vázquez-Carballo, Diego Peña



QO10	Fluorescent probes for Efficient Assays for Measuring Inhibition of Penicillin Binding Protein 3 (PBP3) Transpeptidases	Ignacio E Tobal; Helen G Smith; Stephen A. Marshal; Alistair J. M. Farley; Christopher J. Schofield
QO11	Silyl-Prins cyclization with ketones: stereoselective construction of C2-quaternary stereocenters in polysubstituted tetrahydropyrans	L. G. Parte, L. F. Peña, C. Díez-Poza, A. Barbero
QO12	Ferrocene-Core Hybrid Molecules: A Synthetic Strategy Toward Novel Oxacycles for Targeted Cancer Therapeutics	L. Pedraza, L. Arribas, A del Campo-Balguerías, C. Alonso-Moreno, E. López, A. Barbero
QO13	Synthesis of diketopyrrolopyrrole-derived maleimides — new turn-on fluorescent probes for detecting biothiols	Gonçalo F. Oliveira1,*, Augusto C. Tomé1
QO14	Porphyrin–AZT Conjugates: Synthesis and Photophysical Evaluation	Telma B. Olival, Oscar D. Rodrigues, Carlos J. P. Monteiro, M. Amparo F. Faustino
QO15	Impact of regioisomerism in bianthracene-bis-porphyrin chiral conjugates	Marina Vázquez Carballo, Ana R. Monteiro, and Diego Peña
QO16	(–)-Quinic acid as a natural chiron for the photocatalyzed synthesis of spirolactones	Carina J. N. Caires, Carlos A. M. Afonso, Nuno R. Candeias

Poster

QO17	Synthesis, characterization and in vitro dissolution testing of a dihydropyrimidinone obtained via the biginelli multicomponent reaction	Marcos Vinicios da Silva, Sérgio Scherrer Thomasi, Luciana de Matos Alves Pinto
QO18	Synthesis of novel 4-(bis(4-(dialkylamino)phenyl)amino) phthalonitrile derivatives	Gonçalo F. Oliveira; Leandro M. O. Lourenço
QO19	Mechanochemical Hetero-Diels-Alder Reactions of In Situ Generated Azoalkenes with 2,5-Dimethylfuran: A Sustainable Synthetic Approach	Ângela Marques, Teresa M. V. D. Pinho e Melo, Marta Pineiro
QO20	Bis(trimethylsilyl) Peroxide-Mediated α-Chlorination of Acetophenones	Flávio Figueira*, Francisco Domingues, Nuno R. Candeias
QO21	A Streamlined and Sustainable One-Pot Route to cis-4-Hydroxy-L-Prolyl Amides	Ivo E. Sampaio-Dias, Xavier C. Correia, Hugo F. Costa-Almeida, Beatriz L. Pires-Lima, Sara C. Silva-Reis, Xerardo García-Mera

Química y Salud

Oral

QS01	From Photochemistry to Phototoxicity: Linking the Photochemical Behavior of Food-Derived Chromophores to Cellular Response in Melanoma Cells	Patrícia Correia, Sofia Aleixo, Nuno Mateus, Victor Freitas and Iva Fernandes



QS02	From β-Keto Reduction to Neurotoxicity: Cytotoxic and Oxidative Effects of Dihydropentedrone and Dihydromethylone in SH-SY5Y Cells	Carolina Mourão; Ana Sofia Almeida; Bárbara Silva; Fernando Remião; Carla Fernandes
QS03	Translating the mind: a point-of-care electrochemical platform for miR-151a-3p in neurodevelopmental disorders	Eduarda Pereira, Renata Santos, Farzaneh Jahantigh, Stephanie L. Morais, Catarina Prior, Marlene Santos, João G. Pacheco, Ana Luísa Teixeira, M. Fátima Barroso
QS04	Point-of-care quantification of salivary alpha-amylase using a vertical flow µPAD for stress monitoring in humans and pigs	Maria M. P. Melo, María Botía, José Joaquín Cerón, António O. S. S. Rangel, Raquel B. R. Mesquita
QS05	Light-Activated Zinc(II) Phthalocyanines for Enhanced Antimicrobial Photodynamic Inactivation of Gram-Positive Bacteria	Daiane N. Maronde, José E. R. Borges, Adelaide Almeida, Leandro M. O. Lourenço
QS06	Design and Synthesis of Fluorinated Analogues of a Non-Nitrocatechol COMT Inhibitor for Neuroprotection in Dopaminergic Degeneration	Inês Silva, Daniel Chavarria, Fernanda Borges, Sofia Benfeito
QS07	The First Sila-Derivatives of Vitamin D: Synthesis and Biological Application in Triple-Negative Breast Cancer Therapy	Maria B. Igreja-Cardoso, Sara C. Silva-Reis, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
QS08	First-in-Class Melanostatin Hybrids as Potent Modulators of the Dopamine D2 Receptors with Neuroprotective Activity	Beatriz L. Pires-Lima, Sara C. Silva-Reis, Xavier C. Correia, Hugo F. Costa-Almeida, Xerardo García-Mera, Nuno Vale, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
QS09	Chemical Modification of the Anti-EGFR Monoclonal Antibody with 11-Mercaptoundecanoic Acid: UV–Vis and FTIR Characterization	Santos D.M.L1,*, Ribeiro M.J.G, Marmo. V.L.M, Raniero L. J, Soreto S
QS10	Preliminary Mechanistic Studies of New Pyrimidine-Based Compounds for Osteosarcoma Therapy	Pereira, A. B., Teixeira, S., Santos, I., Ferreira de Oliveira, J. M. P., Fernandes E., Carvalho, M. A.

Poster

QS11	Innovación molecular en la Química Cosmética	Ana María Gayol González, Juan José Sanmartín Rodríguez
QS12	Hypericin- Synthesized Metal Nanoparticles as Anticancer Green-Light-Activated Agents in 3D Tumor Models	Noelia González-Ballesteros 1,*, Melissa Santi 2,3, Raquel Rey-Méndez 1, Andrea Marranci 4,5, Franca Bigi 6,7, Giancarlo Salviati 6, Filippo Fabbri2 and M Carmen Rodríguez-Argüelles1
QS13	Del residuo al valor: extracción asistida por microondas de compuestos bioactivos a partir de hojas y tallos de berenjena	Matilde Rodrigues, María Carpena, M. Beatriz P.P. Oliveira, Celestino Santos-Buelga, Miguel A. Prieto, José Pinela



QS14	Electrochemical microRNA-based biosensor for predicting therapeutic response in castration-resistant prostate cancer	Eduarda Pereira, Marlene Santos, Ana Luísa Teixeira, M. Fátima Barroso
QS15	Melanostatin-Amantadine Conjugates as Potent Positive Allosteric Modulators of Dopamine D2 Receptors	Daiane N. Maronde, Maria B. Igreja-Cardoso, Sara C. Silva-Reis, Xavier C. Correia, Hugo F. Costa-Almeida, Beatriz L. Pires-Lima, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
QS16	Synthesis of Neuroprotective Agents Targeting Dopaminergic Degeneration and Ferroptosis	Inês Silva, Daniel Chavarria, Fernanda Borges, Sofia Benfeito
QS17	Decoupling Neuroprotection from MAO-B Inhibition through Bioisosteric Replacement of Rasagiline	Maria B. Igreja-Cardoso, Sara C. Silva-Reis, Xavier C. Correia, Hugo F. Costa-Almeida, Gabriel M. Azevedo, Vera M. Costa, Damijan Knez, Stanislav Gobec, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
QS18	Fine-Tuning Glypromate Neuroprotection: Synthesis and Biological Evaluation of Novel Peptide-Drug Conjugates	Hugo F. Costa Almeida; Sara C. Silva-Reis; Xavier C. Correia; Vera M. Costa; José E. Rodríguez-Borges; Ivo E. Sampaio-Dias
QS19	Synthesis and Neurotoxicity Profile of Pyridine-Based Melanostatin Derivatives Targeting Parkinson's Disease	Beatriz L. Pires-Lima, Nuno Vale, Xerardo García-Mera, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
QS20	Biodegradability of Glucocorticoids: Chemical Stability and Environmental Fate	Ângela do Ó, E. Manuela Garrido, Alexandra Gaspar, Jorge Garrido
QS21	Zein-Coated SPION-Based Paclitaxel Release Systems for Pancreatic Cancer Applications	Jacinta Santos, Sofia Saraiva, Nuno R. Ferreira, Andreia Romeiro, Mariana Emilia Ghica
QS22	Development of Melanostatin Azapeptides with Improved Biochemical Stability	Xavier Cruz Correia, Hugo F. Costa-Almeida, Sara C. Silva-Reis, Beatriz L. Pires-Lima, Vera M. Costa, Xerardo García-Mera, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
QS23	Building Blocks for Novel 3-Hydroxypyridin-4-One Chelators: Towards Biomedical Metal Coordination and Critical Raw Materials Recovery	Ângela do Ó, Jorge Garrido, E. Manuela Garrido, Alexandra Gaspar
QS24	Development of Conformationally Constrained Peptides as Potent Positive Allosteric Modulators of the Dopamine D2 Receptor	Ivo E. Sampaio-Dias, Hugo F. Costa-Almeida, Xavier C. Correia, Beatriz L. Pires-Lima, Marialessandra Contino, Maria Grazia Perrone, Giovanni Graziano, José Brea, María I. Loza, Eddy Sotelo, Ana Reis-Mendes, Vera M. Costa, Xerardo García-Mera, José E. Rodríguez-Borges
QS25	Revisiting Fluoroquinolones: New Chemistry, New Antibacterial Possibilities	Ângela do Ó; Alexandra Gaspar, Jorge Garrido, Manuela Garrido , Manuela Machado, Eduardo Soares

Química Teórica



	Oral	
QT01	WFS4PLAS: simulating microplastic adsorption	Raul E. Dias, Susana L. H. Rebelo, Alexandre L. Magalhães
QT02	Ion Structure and Dynamics in Ionic Liquids Confined within MXene Electrodes: Molecular Insights into Supercapacitor Charging	I.V. Voroshylova, V. Koverga, M.N.D.S. Cordeiro, V.B. Ivanistsev
QT03	Green-Solvent Extraction of Propolis: Experimental Assessment and Machine Learning Prediction of Total Phenolic Content	David L. Almeida, Artem Drogalin, Amit Kumar Halder, M. Natália D.S. Cordeiro, Andreia F. Peixoto
	Póster	
QT04	Structure–Activity Relationship Analysis of Novel Synthetic Opioids Using Molecular Docking	Sara F. Amaral, Bárbara F. C. Barra, Alexandre Quintas, Nuno R. Neng, Patrícia Serra
QT05	Molecular dynamics study of PVA/H3PO4 polymer electrolyte: the role of the proton in structure and transport	Andreia P. Fonseca, M. Natália D. S. Cordeiro, Clara R. Pereira, Iuliia V. Voroshylova
	Seguridad Química	
	Póster	
SQ01	Compuestos BTEX en residuos de tanques de almacenamiento de gas natural	M.C. Fernández-Feal, B. Sánchez-Fernández, L.R. Sánchez-Fernández

EQUIPAMIENTO DE PROYECCIONES

Las salas de conferencias están equipadas con ordenador y cañón de proyección. Cada orador deberá transferir el fichero de su presentación al ordenador de la sala que le corresponda, con la antelación suficiente. Siendo aconsejable se realice en la sesión anterior.

PRESENTACIONES ORALES

Las conferencias plenarias tendrán una duración de 45-50 minutos más 10 minutos para preguntas.

La duración de las comunicaciones orales será de 15 minutos incluido el tiempo de preguntas para la resolución de dudas. Se solicita a todos los oradores que cumplan el tiempo estipulado, a fin de evitar retrasos en el programa. Se recomienda que las presentaciones se hagan en formato PowerPoint y/o pdf.

POSTERS

Deberán colocarse el primer día, primera sesión y retirarse el último, tras el acto de clausura, por los propios autores de la comunicación. Se solicita a los autores de los trabajos presentados, estén presentes junto a los mismos durante la sesión de discusión.