

## PROGRAMA DEL XXVIII ENCONTRO GALEGO PORTUGUÉS DE QUÍMICA

SALAS		Planta
A	AUDITORIO	2ª
B	Sala de Conferencias	3ª
C	Sala A	4ª
D	Sala B	4ª
POSTERS	SALÓN JARDÍN	Entresuelo

DÍA	HORA	SALAS				
		PLENARIAS	A	B	C	D
		SALA A				
<b>13</b>	10:00 - 11:30	<b>INSCRIPCIÓN Y RECEPCIÓN</b>				
	11:30- 12:00	<b>SESIÓN DE APERTURA. Auditorio sala A</b>				
	12:00		QS01	AMB01	ALM01	CAT01
	12:15		QS02	AMB02	ALM02	CAT02
	12:30		QS03	AMB03	ALM03	CAT03
	12:45		QS04	AMB04	ALM04	CAT04
	13:00		QS05	AMB05	ALM05	CAT05
	13:15		QS06	AMB06	ALM06	QO04
	13:30		QS07	AMB07	ALM07	QO01
	13:45		QS08	AMB08	ALM08	QO02
	14:00-16:00	<b>COMIDA</b>				
	16:00 - 17:00		<b>CONFERENCIA PLENARIA de APERTURA. Prof. Ehud Keinan</b>			
	17:00		QS09	AMB09	ALM09	QO03
	17:15		QS10	AMB10	ALM10	CAT06
	17:30-18:00	<b>COFFE BREAK - POSTERS</b>				
	18:00-18:45	CP1	<b>Prof. Claudia Nunes</b>			
	18:45		QS11	AMB11	ALM11	QO05
	19:00		QS12	AMB12	ALM12	QO06
	19:15		QS13	AMB13	ALM13	QO07
	19:30		QS14	AMB14	ALM14	QO08

DÍA	HORA	SALAS				
		PLENARIAS	A	B	C	D
		SALA A				
14	10:00		QS19	AMB15	ALM15	CAT07
	10:15		QS16	AMB16	ALM16	CAT08
	10:30		QS17	AMB17	ALM17	CAT09
	10:45		QS20	AMB18	ALM18	CAT10
	11:00-11:45	CP2	Prof. M. Arturo López Quintela			
	11:45-12:15	COFFE BREAK - POSTERS				
	12:15		QS15	AMB19	ALM19	CAT11
	12:30		QS18	AMB20	ALM20	CAT12
	12:45		QS21	AMB21	ALM21	CAT13
	13:00		QS22	AMB22	POL01	CAT14
	13:15		QS23	AMB23	POL02	QT01
	13:30		QS24	AMB24	POL03	QT02
	13:45		QS25	AMB25	POL04	QT03
	14:00-16:00	COMIDA				
	16:00		QS26	AMB26	QF01	QT04
	16:15		QS27	AMB27	QF02	QT05
	16:30		QS28	AMB28	QF03	QT06
	16:45		QS29	AMB29	NN19	BB02
	17:00-17:45	CP3	Prof. Javier García Martínez			
	17:45-18:15	COFFE BREAK - POSTERS				
	18:15		QS30	AMB30	NN06	BB03
	18:30		EDU01	AMB31	NN07	BB04
	18:45		EDU02	AMB32	NN03	BB05
	19:00		EDU03	AMB33	NN14	BB06
	19:15		EDU04	AMB34	NN04	BB07
	19:30		QA02	AMB35	NN05	BB08
	21:30	CENA DE GALA				

DÍA	HORA	SALAS				
		PLENARIAS	A	B	C	D
		SALA A				
15	10:00		QA03	AMB36	NN08	BB01
	10:15		QA04	AMB37	NN09	BB09
	10:30		QA05	AMB38	NN10	IND01
	10:45		QA01	AMB39	NN11	IND02
	11:00-11:45	CP4	Prof. Salette Reis			
	11:45-12:15	COFFE BREAK - POSTERS				
	12:15		QA06	SQ01	NN12	IND03
	12:30		QA07	QI01	NN13	IND04
	13:00		QA08	QI02	NN02	IND05
	13:15		QA09	QI03	NN15	IND06
	13:30		QA10	QI04	NN16	IND07
	13:45		QA11	QI05	NN17	IND08
	14:00-16:00	COMIDA				
	16:00		QA12	QI06	NN18	BB10
	16:15		QA13	QI07	NN20	IND09
	16:30		QA14	QI08	NN21	IND10
	16:45		QA15	QI09	CAT15	IND11
	17:00		IND13	QI10	NN01	IND12
	17:15-17:30	COFFEE BREAK				
	17:30-18:00	CLAUSURA				

## COMUNICACIONES

### Química Alimentaria

#### Oral

- ALM01** Recuperación de antocianinas y otros polifenoles del bagazo de uva tinta mediante extracciones hidrotérmicas en cascada  
A. Pérez-Pérez, A. Alvaredo-López-Vizcaíno, B. Rodríguez-Martínez, Á. Lobato-Rodríguez, F. Rodríguez-Rebelo, L. Barros, F. Mandim, B. Gullón, P. G. del Río
- ALM02** Fermented fruit juices: exploring the benefits of the ancient technique for today's juice production  
Monteiro A.R., Minelgaité V., Mateus N., Freitas V., Fernandes I.
- ALM03** A milky way towards novel antioxidant nutraceuticals  
João Albuquerque, Filipa A. Soares, Andreia Granja, Cláudia Nunes, Ana R.J. Cabrita, António J.M. Fonseca, Salette Reis
- ALM04** Estudo do impacto da interacción molecular dos polifenois do millo corvo e fariñas de trigo autóctonas galegas na bioaccesibilidade do glute  
Pardellas-Soto, Jorge; Pérez-Gregorio, María Rosa
- ALM05** Avaliação da Atividade Antioxidante de Extratos de Borra de Café: Comparação de Métodos de Extração para Aplicação Cosmética  
Tayna C. B. de Souza, Maria João Sousa
- ALM06** Is the Natural Fermentation of Olive Pomace Feasible for Food Purposes? A Detailed Chemical and Microbiological Characterization  
D.M. Ferreira<sup>1</sup>, L. Espírito Santo<sup>1</sup>, S. Machado<sup>1</sup>, A.S.G. Costa<sup>1</sup>, T.F. Soares<sup>1</sup>, S.C. Cunha<sup>1</sup>, J.D. Palmeira<sup>2</sup>, H. Ferreira<sup>2</sup>, M.B.P.P. Oliveira<sup>1</sup>, R.C. Alves<sup>1,\*</sup>
- ALM07** Chemical characterization of *Lycium barbarum* L. and *Lycium chinense* Mill. berries and development of high-value goji sorbets  
Mariana Monteiro, Amanda Scherer, Artur M. S. Silva, Susana M. Cardoso, Dulcineia F. Wessel
- ALM08** Impacto do intercropping e do sistema de irrigação nos parâmetros físico-químicos e nutricionais de *Prunus dulcis* no nordeste de Portugal  
Bruna Moreira, Ermelinda Silva, Alexandre Gonçalves, Rosalina Marrão, Miguel A. Prieto, Márcio Caroch, Lillian Barros, Cristina Caleja
- ALM09** Caracterização Bioquímica de Excedentes da Produção de *Brassica* spp.  
Joana P. B. Rodrigues, Tânia C. S. P. Pires, Isabel C. F. R. Ferreira, Maria Beatriz P. P. Oliveira, Lillian Barros, Ângela Fernandes
- ALM10** *Rhus* spp.: Estudo da caracterização nutricional, química e bioativa  
Elizandra Ardohain, Cristina Caleja, Eliana Pereira, Lillian Barros, Isabel C. F. R. Ferreira, Ricardo Calhelha, Miguel Pietro, Ângela Fernandes.
- ALM11** Extrato otimizado de *Tradescantia zebrina* L.: um corante alimentar alternativo e os seus efeitos na dieta de *Drosophila melanogaster*  
Eleomar Pires Jr<sup>1,2,3</sup>, Dieniffer Janner<sup>3</sup>, Andriele Brinck<sup>3</sup>, Frâncelly Figueiredo<sup>3</sup>, Ariane Ferreira<sup>3</sup>, Pamela Almeida<sup>3</sup>, Eliana Pereira<sup>1</sup>, Bianca Albuquerque<sup>1</sup>, Gustavo P. Guerra<sup>3</sup>, Isabel C.F.R. Ferreira<sup>1</sup>, Cristina Caleja<sup>1\*</sup>, Lillian Barros<sup>1</sup>
- ALM12** Impacto do extrato corante de *Clitoria ternatea* L. na progressão da doença de Parkinson  
Eleomar Pires Jr<sup>1,2</sup>, Dieniffer Janner<sup>3</sup>, Andriele Brinck<sup>3</sup>, Frâncelly Figueiredo<sup>3</sup>, Michelli Merengo<sup>3</sup>, Luana Meichtry<sup>3</sup>, Eliana Pereira<sup>1</sup>, Bianca Albuquerque<sup>1</sup>, Gustavo P. Guerra<sup>3</sup>,

- ALM13** Application of an oral cell-based assay to study the astringency of *Clitoria ternatea* L. tea  
Inês Silva, Carlos Guerreiro, Joana Oliveira, Elsa Brandão, Nuno Mateus, Victor de Freitas, Susana Soares
- ALM14** Cyclodextrin-assisted extraction of phlorotannins from *Fucus vesiculosus*  
Marcelo D. Catarino, Sofia F. Reis, Susana S. Braga, Artur M. S. Silva, Susana M. Cardoso
- ALM15** Molecular insights into the modulation of black tea polyphenol interactions with oral components by orange peel pectic polysaccharides  
Vieira. J, Bravo. C, Guerreiro. C, de Freitas. V, Soares. S, Brandão. E
- ALM16** Characterization and Valorization of *Pinus pinea* Nut Shell Extracts for Sustainable Crop Production  
Élia Fogueiro<sup>1,2,3\*</sup>, Dulcineia F Wessel<sup>3</sup>, Susana M. Cardoso<sup>1</sup>, Sónia Silva<sup>1</sup>
- ALM17** Valorização de Resíduos de Cogumelos Comestíveis na Produção de massa penne: Fermentação e Melhoria Nutricional  
Ana Saldanha, Diogo Salvati, Laura Roman, Manuel A. Coimbra, Maria Inês Dias
- ALM18** Nutritional and Antioxidant Potential of Dried Coffee Pulp from Azores: A Sustainable Approach to Valorising Coffee By-Products  
Anabela S.G. Costa<sup>1,2</sup>, M. Beatriz P. P. Oliveira<sup>1</sup>, Jesus Simal-Gandara<sup>2</sup>, Rita C. Alves<sup>1,\*</sup>
- ALM19** Promoção de estratégias sustentáveis no setor agroalimentar: valorização de subprodutos vegetais  
Tatiane C. G. de Oliveira, Tayse F. F. Da Silveira, Cristina Caleja, Délio Raimundo, Marija Ivanov, Dejan Stojković, Javier C. Lou, Víctor López, Susana Machado, Liliana Espírito Santo, Isabel C.F.R. Ferreira, M. Beatriz P.P. Oliveira, Eliana Pereira, Lillian Barros
- ALM20** Biofortificación de microvegetales de guisante mediante priming de semillas con selenio  
Matilde Rodrigues, Cátia Magalhães, José Pinela
- ALM21** Otimização da extração assistida por ultrassons de compostos hypocholesterolémicos a partir de resíduos de cogumelos comerciais  
Virginie Xavier, Jonata, M. Ueda, Custódio M. Roriz, Miguel A. Prieto, Ricardo C. Calhelha e Sandrina A. Heleno

### Poster

- ALM22** Vertical farming of micro- and baby greens: Influence on organic acid, free sugar, betalain, and phenolic compound contents  
Alexis Pereira, Maria Inês Dias, M. Beatriz P. P. Oliveira, José Pinela
- ALM23** Comprehensive Analysis of Emerging and Persistent Contaminants in Widely Consumed Fish Species from the Portuguese Coast  
Sara Sousa, Virgínia Cruz Fernandes, João Couto, Ruben Jorge, Teresa A.C. Oliveira, Valentina F Domingues, Cristina Delerue-Matos
- ALM24** Aromatic changes in Albariño wine processed by High Pressure Processing (HPP)  
Acosta Veiga A. , García Pérez N., Falqué López E., Pérez Lamela C.
- ALM25** Comprehensive Profiling of Phenolic Compounds in Olive Pomace using HPLC-DAD-MS-ESI+  
Diana Melo Ferreira<sup>1</sup>, Floricuça Ranga<sup>2</sup>, M. Simona Chiş<sup>3</sup>, M. Beatriz P. P. Oliveira<sup>1</sup>, Rita C. Alves<sup>1,\*</sup>
- ALM26** Evaluation of *Bacillus cereus* growth in different nutritional food matrices containing a biosurfactant extract from corn steep liquor produced at pilot scale  
A. López-Prieto, B. Pérez-Cid, J.M. Cruz, A.B. Moldes
- ALM27** Amêndoas consorciadas com outras culturas cultivadas em Selca (Croácia): estudo das propriedades nutricionais e bioatividades  
Bruna Moreira, Ermelinda Silva, Alexandre Gonçalves, Frane Strikić,

Miguel A. Prieto, Márcio Caroch, Cristina Caleja, Lillian Barros

- ALM28** Unveiling the Geographical Influence on Honey's Physicochemical Profile: A Case Study from Montesinho Natural Park Sónia Soares, Leandro Magalhães, Manuela M. Moreira, Diana Rede, Virgínia Cruz Fernandes, Olga Viegas, Edgar Pinto, Agostinho Almeida, Rui Azevedo, and Cristina Delerue-Matos
- ALM29** Valorização de compostos bioativos em excedentes da produção de *Lactuca sativa* L. Joana P. B. Rodrigues, Tayse F. F. da Silveira, Tânia C. S. P. Pires, Isabel C. F. R. Ferreira, Maria Beatriz P. P. Oliveira, Lillian Barros, Ângela Fernandes
- ALM30** Development of hydroelectrolytic beverages using subcritical water extract from kiwano (*Cucumis Metuliferus*) peel Elsa F. Vieira<sup>1,\*</sup>, Manuela Moreira<sup>1</sup>, Renata Silva<sup>2</sup>, Jaroslava Švarc-Gajić<sup>3</sup>, Cristina Delerue-Matos<sup>1</sup>
- ALM31** Estudo da aplicação do extrato de curcuma como ingrediente corante natural em queijadas de laranja Elizandra Ardohain; Cristina Caleja; Eliana Pereira; Fátima Martins; Ana Paula Pereira; Alexandre Gonçalves; Lillian Barros; Ricardo Calhelha; Miguel Pietro; Ângela Fernandes.
- ALM32** Optimization of fish by-products hydrolysis process using bromelain: a comparative study with alcalase
- ALM33** Mineral composition of Azorean coffee pulp Anabela S.G.Costa, Liliana Espírito Santo, Rui Azevedo, Agostinho Almeida, M. Beatriz P. P. Oliveira, Jesus Simal-Gandara, Rita C. Alves
- ALM34** Advancing Clean-Label Meat Products: Enhancing Texture and Color with Plant-Based Bioactive Ingredients Ana Rita Pereira, Vasco Silva, Ana Fernandes, Nuno Mateus, Víctor de Freitas
- ALM35** Metal-adsorbed polysaccharides: synthesis and structural characterization Filipe M. Santos, Álvaro R. Ribeiro, Tiago A. G. Duarte, Sílvia C. Nunes, Verónica de Zea Bermudez
- ALM36** Economia circular na indústria alimentar: aproveitamento e valorização do subproduto de carambola Tatiane C. G. de Oliveira, Susana Machado, Liliana Espírito Santo, Isabel C.F.R. Ferreira, M. Beatriz P.P. Oliveira, Lillian Barros, Eliana Pereira
- ALM37** Color stability of a natural cyanidin-3,5-diglucoside and its derivative methylpyranocyanidin as potential food additives Cátia I. Sampaio, Miguel A. Cerqueira, Alice M. Dias
- ALM38** Mejoramiento de la calidad nutricional y de la tolerancia al estrés de microvegetales mediante el uso de bioestimulantes naturales Matilde Rodrigues, M. Beatriz P.P. Oliveira, Celestino Santos-Buelga, José Pinela
- ALM39** Obtenção de estatinas e ergosterol de bio-resíduos de *Agaricus bisporus*: extração convencional vs emergente Virginie Xavier, Jonata, M. Ueda, Custódio M. Roriz, Miguel A. Prieto, Ricardo C. Calhelha e Sandrina A. Heleno
- ALM40** *Opuntia ficus-indica* (L.) Miller cladodes: a mineral-focused strategy for sustainable flour production L. Espírito Santo, D. Melo Ferreira, A.S.G. Costa, A. Almeida, M. A. Prieto, R.C. Alves, M.B.P.P. Oliveira<sup>1</sup>
- ALM41** A comprehensive analysis of the protein fraction within the cladodes of *Opuntia ficus-indica* (L.) Miller L. Espírito Santo, S. Machado, A.S.G. Costa, M. A. Prieto, R.C. Alves, M.B.P.P. Oliveira
- ALM42** Biofortification of Swiss chard microgreens with selenium under indoor vertical farming Alexis Pereira, Maria Inês Dias, M. Beatriz P. P. Oliveira, José Pinela

## Química Ambiental y Sostenible

### Oral

- AMB01** Estudio en el aula de un Plan de Sostenibilidad Ambiental Ana María Gayol y Verónica Tricio
- AMB02** Exploring living and non-living macroalgae based biosorbents in interaction with complex multi-element mixtures Jéssica Jacinto, Bruno Henriques, Nicole Ferreira, Thainara Viana, João Pinto, Nuno Lapa, Eduarda Pereira
- AMB03** Adsorption of nitrophenolic compounds on porous photopolymer-derived carbons N. Corrochano, L.G. Olías, M.I. Pariente, Y. Segura, R. Molina, F. Martínez, J.L. Diaz de Tuesta
- AMB04** Optimizing MnFe<sub>2</sub>O<sub>4</sub> Nanoparticles for Efficient Rare Earth Element Recovery from Contaminated Waters: A Response Surface Methodology Approach João Pinto, Daniela Tavares, Bruno Henriques, Raquel Fernandes, Tito Trindade, Eduarda Pereira
- AMB05** Application of magnetic Nanoparticles for the removal of Microplastics from aquatic systems Sílvia D. Martinho, Inês Pereira, Maria Freitas, Olga M. Freitas, Virgínia Cruz Fernandes, Sónia A. Figueiredo, Cristina Delerue-Matos
- AMB06** Advanced Functional Materials for Water Pollutants Adsorption D. S. S. Flores<sup>1</sup>, C. M. R. Almeida, A. F. Peixoto, C. M. Granadeiro
- AMB07** Estudio del Análisis de Ciclo de Vida Ana María Gayol, Fernando Cerdeira, Ana Pérez, Estrella Álvarez
- AMB08** Green processes to valorize Paulownia wood based on deep eutectic solvent (DES) Fernando Rodríguez-Rebello, Beatriz Rodríguez-Martínez, Pablo G. Del-Río, Maurice N. Collins, Gil Garrote, and Beatriz Gullón
- AMB09** Macroalgae for a circular economy: Recovering critical elements from acid mine drainage Thainara Viana, Nicole Ferreira, Eduarda Pereira, Bruno Henriques
- AMB10** Selective Copper Removal from Multi-Element Solutions with Thiourea Formaldehyde-Graphene Oxide Composite Nicole Ferreira, Thainara Viana, Gil Gonçalves, Bruno Henriques, Cláudia Nunes, Eduarda Pereira
- AMB11** Cork Boiling Wastewater: a promising sustainable water source for cosmetic application Sandra Mota, Sara Cravo, Joana Rocha e Silva, Agostinho Almeida, Clara Quintas, Maria Elizabeth Tiritan, Honorina Cidade, Isabel Martins de Almeida
- AMB12** Synthesis and evaluation of a pine cone-derived adsorbent for remediation of recalcitrant pollutants in water Nuria Bernárdez, Emilio Rosales, Marta Pazos, M<sup>a</sup> Ángeles Sanromán
- AMB13** Remoção de fluoxetina de efluentes aquosos usando adsorventes à base de casca de noz Caio Okon, Rafaela F. Homero<sup>1</sup>, Maraísa Lopes de Menezes, António E. Ribeiro, Paulo Brito, Ana Queiroz
- AMB14** A Sustainable Approach to Cellulose Extraction from Wood Waste Mafalda Sarraguça, Tânia Moniz, Sílvia Vinhas, Salette Reis, Maria Rangel
- AMB15** Defect engineering of UiO-66 using a mixed-ligand strategy via microwave-assisted synthesis to enhance CO<sub>2</sub> capture and conversion potential Simone C. Fernandes, Pedro Leo, Isabel Santos-Vieira, Luís da Cunha, Salette S. Balula
- AMB16** Uso de Óleos Essenciais como Conservantes Naturais em Cosméticos: Desafios e Eficácia no Controlo Microbiano Tayna C. B. de Souza, Maria João Sousa
- AMB17** Estrogen Removal through Adsorption by Carbon Materials Prepared from Biomass Wastes: A Review Bruno Exposto; Ana Queiroz, Paulo Brito, António Ribeiro
- AMB18** Recyclable 3D Spongin Scaffold for Enhanced Recovery of Rare Earth Elements from Aqueous Waste Streams Bruno Henriques, Nicole Ferreira, Maria Lapo, Daniela Tavares, Joana Sousa, Thainara Viana, Gil Gonçalves, Eduarda Pereira

<b>AMB19</b>	Remoção de cloridrato de sertralina com carvão ativado produzido a partir de casca de noz ativada com ZnCl <sub>2</sub>	Rafaela Fernandes Homero, Caio Okon , Eduardo Borges Lied , Ana Queiroz, António E. Ribeiro, Paulo Brito
<b>AMB20</b>	Purificação a seco do biodiesel etanólico através de adsorção utilizando materiais à base de casca de amêndoa	Melissa G. Mezzalira, Maria Carolina Sérgio Gomes, Ana Queiroz, António E. Ribeiro, Paulo Brito
<b>AMB21</b>	Remoção de Metformina de Matrizes Aquosas por meio de Adsorventes à base de Cortiça	0
<b>AMB22</b>	Neodymium extraction and recycling from magnet leachates using magnetic nanoparticles	Eduarda Pereira, Daniela Tavares, João Pinto, Joana Sousa, Tito Trindade, Bruno Henriques
<b>AMB23</b>	Development of an extraction method for the multiresidue analysis of 40+ pharmaceuticals in biota (mussels and red mullets) using QuEChERS-LC-MS/MS	Jorge Lejo-Santiago, Juan Pablo Ruiz Moreno, Estefanía Concha-Graña, Purificación López-Mahía, Soledad Muniategui-Lorenzo
<b>AMB24</b>	Polystyrene recycling with green solvents using a dissolution-precipitation method	Maria E. V. Holtz, Adomizete Rosário, Juliana M. Pietrobelli, Simão Pinho, Olga Ferreira, Mónia A. R. Martins
<b>AMB25</b>	Affectation of Galician beaches by microplastic pellets after the spillage from the Toconao ship	Borja Ferreiro, José Manuel Andrade, Diana B. Diez-Pérez, Soledad Muniategui-Lorenzo
<b>AMB26</b>	Recovery of all the raw materials from the waste light-emitting diodes	Filipa S. Brito, Loïc Vervaecke, Liliana M. Martelo, Helena M. V. M. Soares
<b>AMB27</b>	Extração Eficiente de Compostos Fenólicos: Aplicação de Métodos Assistidos por Calor e Ultrassons em Partes Aéreas de <i>Crithmum maritimum</i> L. e <i>Scolymus hispanicus</i> L.	Beatriz H. Paschoalinotto 1, José Pinela 1,2, Spyridon Petropoulos 3, Lillian Barros 1, Maia Inês Dias 1*
<b>AMB28</b>	Optimized Ultrasound-Assisted Extraction of Bioactive Compounds from Raspberry and Blueberry Pruning Residues for Sustainable Cosmetic Applications	P. Plasencia, M. Carochó, T. Finimundy, T.C.S.P. Pires, R.C. Calhelha, M. Añibarro-Ortega, P.A. García, M.F. Barreiro, L. Barros
<b>AMB29</b>	Integrated Circuits: proposal of a closed recycling method for the recovery of gold	Silva, Márcia A.D. , Martelo, Liliana M., Bastos, Margarida M.S.M. and Soares, Helena M.V.M.
<b>AMB30</b>	Optical Setups for Monitoring Nitrates, Carbon Dioxide and Turbidity in Macroalgae Production Tanks	Maria Moita, Bernardo Carneiro, Xavier Lopes, Francisco Rocha, João P. Mendes, José M. M. de Almeida, Pedro A. S. Jorge, Luís C. C. Coelho
<b>AMB31</b>	Breakthrough Curve of Activated Carbon and Geopolymer for the Adsorption of Sulfamethoxazole, Acetaminophen, and Gallic Acid	Arthur P. Baldo, Ana Paula Ferreira da Silva, Adriano S. Silva, Pricila Marin and Helder Teixeira Gomes
<b>AMB32</b>	Synthesis and Characterization of Activated Carbon, Geopolymers and Carbon Nanotubes from Waste-Derived Sources	Arthur P. Baldo, Ana Paula Ferreira da Silva, Adriano S. Silva, Pricila Marin and Helder Teixeira Gomes
<b>AMB33</b>	Microplásticos en Sistemas Estuarinos: Interacciones con Mejillones e Implicaciones Ambientales	Ahinara Francisco López, Pastora M. Bello Bugallo
<b>AMB34</b>	Exploring Lignin Valorization as a Sustainable Modulating Agent: Impact on the Physicochemical Properties of Port Wine	Ana Rita Pereira, Elsa Brandão, Joana Pinto, Paula Guedes de Pinho, Carina Costa, Alírio Rodrigues, Michele Michelin, Susana Soares, Victor de Freitas, Nuno Mateus, Joana Oliveira
<b>AMB35</b>	Production and characterization of different green adsorbents for the removal of free glycerine in the biodiesel purification process	Miriam Domingues Guimarães; Marina Celant De Prá; Ana Queiroz; António E. Ribeiro; Paulo Brito



- AMB36** Development of a multi-phosphor system from *Chlorella pyrenoidosa* for luminescent solar concentrators  
Filipe M. Santos, Tiago A. G. Duarte, Rui F. P. Pereira, Alexandra Conde, Álvaro R. Ribeiro, Susana Santos Braga, Sónia P. M. Ventura, Sandra F. H. Correia, Rute A. S. Ferreira, Verónica de Zea Bermudez, Sílvia C. Nunes
- AMB37** Valorización de *Salmo trutta*: Caracterización nutricional, fitoquímica y antioxidante para el desarrollo de productos sostenibles  
Paulo Paz Neto, Matilde Rodrigues, Carla Pereira, Amílcar Teixeira, Maria Inês Dias
- AMB38** Materiales carbonosos a partir de materiales lignocelulósicos para baterías ion litio  
A. Bañón, C. Herreros, C. Antuña, M. M Castro, R. Noguero
- AMB39** Synthesis of choline-amino acid ionic liquids and application to the extraction of biomolecules and pharmaceuticals  
Pedro Velho, Eugénia A. Macedo

### Poster

- AMB40** Impact of Damming on Fluvial Nutrients and Trace Element Fluxes to the Ria of Ares-Betanzos (NW Iberian Peninsula)  
R. Prego, A. Bróz, M.D. Doval, M.A. Álvarez-Vázquez
- AMB41** La madera de *Robinia pseudoacacia* como fuente de compuestos de valor añadido: empleo de microondas como método de extracción sostenible  
A. Pérez-Pérez, B. Rodríguez-Martínez, Á. Lobato-Rodríguez, F. Rodríguez-Rebelo, G. Garrote, B. Gullón, P. G. del Río
- AMB42** Versatilidad del Fe-MOF en diversos procesos de oxidación avanzada para la descontaminación y desinfección de aguas  
Antía Fdez-Sanromán, Marta Pazos, M. Ángeles Sanromán y Emilio Rosales
- AMB43** Sustainable Synthesis of Gold Nanoparticles from *Osmunda pinnatifida*: A Green Approach for Antioxidant and Antitumoral Applications  
N. González-Ballesteros<sup>1\*</sup>, F. Gómez-Alonso<sup>1</sup>, M. Lastra-Valdor<sup>2</sup>, Immacolata Maietta<sup>3,4</sup>, Rosana Simón-Vázquez<sup>3,4</sup>, M.C. Rodríguez-Argüelles<sup>1</sup>
- AMB44** Dual Photocatalytic and Antibacterial Performance of Green-Synthesized Ag-TiO<sub>2</sub> Nanocomposites for Water Treatment  
N. González Ballesteros<sup>1,\*</sup>, Joana M. Queirós<sup>2,3,4</sup>, P.M. Martins<sup>2,3</sup>, S. Lanceros-Méndez<sup>4,5,6</sup>
- AMB45** O futuro sostible dos cosméticos con lúpulo  
Briolanja dos Santos, O.R. Pereira, Maria Carmen Seijo, M. J. Sousa
- AMB46** Assessing the Ecotoxicity Effects of Magnetic Nanoparticles applied for Microplastic Removal  
Sílvia D. Martinho, Rafaella D. Muscalu, Maria Freitas, Virgínia Cruz Fernandes, Sónia A. Figueiredo, Cristina Delerue-Matos
- AMB47** Water supply physico-chemical parameters in a Guinea-Bissau population district measured through the Water Quality Index (WQI)  
Acosta Veiga A., Pérez Lamela C., Torrado Agrasar A., Seide Bá M.
- AMB48** Sustainable food packaging solutions: Bioactive bacterial nanocellulose films loaded with Paulownia wood extract  
Pablo G. Del-Río, William M. Facchinatto, Carla Vilela, Adelaide Almeida, Armando J.D. Silvestre, Carmen S.R. Freire
- AMB49** Valorization of *Himantalia elongata* seaweed for the recovery of bioactive compounds by green processes  
A. Alvaredo-López-Vizcaíno, P.G. Del-Río, B. Gullón, P. Ferreira-Santos
- AMB50** Estructuras metal-orgánicas de Fe-Cu como catalizadores para la degradación de pesticidas mediante procesos de oxidación avanzada  
Sergio Fernández-Davila<sup>1</sup>, Xan Barreiro-Xardón, Marta Pazos, M. Angeles Sanromán, Emilio Rosales
- AMB51** Evaluation and optimization of a multielectrode system for the treatment of effluents with high organic matter content  
Nuria Bernárdez, Emilio Rosales, Marta Pazos, M<sup>a</sup> Ángeles Sanromán
- AMB52** Sustainable Synthesis of High Purity Biosilica from Rice Husk: Overcoming the Limitations of Mineral Acid Leaching  
Adelino M. R. Pereira, Aklima Hoque Kakon, Carlos Serpa, Lucas Grosche

<b>AMB53</b>	Removal of Zn(II), Cu(II) and Pb(II) from rainwater: white bean peel sorbent	Gonçalo H. Cabral, Ana C. Estrada, Patrícia S.M. Santos
<b>AMB54</b>	STUDY OF THE ADSORPTION CAPACITY OF ACTIVATED CARBON DERIVED FROM KRAFT LIGNIN TOWARDS SULFAMETHOXAZOLE	Tayra R. Brazil, Erika M.L. Sousa, María V. Gil, Edson C. Botelho, Vânia Calisto
<b>AMB55</b>	Fixed-bed column adsorption studies for the removal of antibiotics from water using regenerable biochar obtained from brewery wastes	Érika M.L. Sousa, Marta Otero, María V. Gil, Paula Ferreira, Valdemar I. Esteves, Vânia Calisto
<b>AMB56</b>	Enhancing nanocelluloses modified with succinic anhydride for efficient removal of heavy metals in aqueous medium	Talles B. Costa, Pedro M.C. Matias, Derval S. Rosa, Dina M.B. Murtinho, Artur J.M. Valente
<b>AMB57</b>	Evaluating the Cytotoxicity and Environmental Impact of Nanoparticles: Insights from Microtox® Bioassays	María J.G. Guimarey, Andrea A. Penín, Juan J. Parajó
<b>AMB58</b>	<i>Sustainable extraction techniques for bioactive compounds from marine biomass</i>	L. Veitía-de-Armas , K.L. Baltrusch , C. Sica , I.B.D. Ingrez , M.D. Torres , H. Domínguez
<b>AMB59</b>	Multiresidue analysis of 7 therapeutic classes of pharmaceuticals in sediments by US-SPE-LC-MS/MS	Jorge Lejo-Santiago, Birkania Pérez Guzmán, Estefanía Concha-Graña, Purificación López-Mahía, Soledad Muniategui-Lorenzo
<b>AMB60</b>	Valorization of cork industry residues and its application for wastewater treatment	João Mendes, Carlos R. Gomes, Carlos M. Granadeiro
<b>AMB61</b>	Study of the adsorption of triazinic herbicides on microplastics	María José González Castro, Juan Pinto Lojo, Soledad Muniategui Lorenzo, Elisa Beceiro González
<b>AMB62</b>	Adsorption behavior and mechanisms of terbutryn in polyethylene microplastics in marine environment	María José González Castro, Rebecca Bernal Naylor, Soledad Muniategui Lorenzo, Elisa Beceiro González
<b>AMB63</b>	Potencial bioactivo de extractos ricos en compuestos fenólicos de Arnica montana L. obtenidos mediante métodos verdes optimizados	Paula Garcia-Oliveira, Jesus Simal-Gandara, Lucia Cassani
<b>AMB64</b>	Identificación de microplásticos mediante técnicas de aprendizaje automático multimodelo	Eva Llaveró-López, José M. Andrade, Noelia Sánchez-Maróño
<b>AMB65</b>	Evaluación de tres técnicas de flotación para la separación eficiente de microplásticos en sedimentos	Eva Llaveró-López, Adrián López-Rosales, José M. Andrade, Soledad Muniategui
<b>AMB66</b>	Metal(oid)s oral and inhalation bioavailability estimation in recycled tire rubber and related materials	Aarón Longueira Ordóñez, Isabel Turnes Carou, Jorge Moreda Piñeiro, Soledad Muniategui Lorenzo, Purificación López Mahía
<b>AMB67</b>	Oxidative stress associated with recycled tire samples and related materials through an in-vitro assay	Ariadna Lorenzo Serantes, Isabel Turnes Carou, Jorge Moreda Piñeiro, Soledad Muniategui Lorenzo, Purificación López Mahía
<b>AMB68</b>	A first inventory of plastic litter at the coastline of Bay of Asunción and associated total metal contents	Diana Diez-Pérez Núñez, Deyanira Peralta, Dahiana Serafini, Derlysa Colmán, Adrián López-Rosales, Borja Ferreiro, José M. Andrade, Soledad Muniategui-Lorenzo
<b>AMB69</b>	Evaluation of Carbon and Nitrogen content of residual biomass from corn steep liquor after biosurfactant and gramicidin extraction for nutritional fermentation media	N. González-Fernández, K. Lvova, G. Bustos Vázquez, A. López-Prieto, B. Pérez-Cid, X. Vecino, J.M. Cruz, A.B. Moldes

<b>AMB70</b>	Preliminary stability of cell-bound biosurfactant extract produced in corn steep liquor	N. González-Fernández, G. Bustos Vázquez, A.B. Moldes, J.M. Cruz, A. López-Prieto
<b>AMB71</b>	Mechanical performance of fly ash-based geopolymer concrete as a sustainable alternative to ordinary Portland cement Sustainable Chemistry	Ana Paula Ferreira, Isaac Alves de Oliveira, Jose L. Díaz de Tuesta, Debora Macanjo, José A. Peres and Helder T. Gomes
<b>AMB72</b>	Novel Biodegradable Depigmenting Agents: Safe and Sustainable by Design to Address Environmental Concerns in Cosmetic Formulations	Sandra Mota, Abigail Rodrigues, Maria T.Cruz, Isabel Martins de Almeida, Emília Sousa
<b>AMB73</b>	Energy and Sustainability: Shaping Our Energy Future	María Cousillas Rodríguez, Mohammad A. Bany Issa, Shoeib Faraji Abdolmaleki, Pastora M. Bello Bugallo
<b>AMB74</b>	Detection and quantification of carbamazepine in water matrices using a simple MIP-based electrochemical sensor	Antón Puga, Verónica Poza-Nogueiras, João G. Pacheco, Cristina Delerue-Matos
<b>AMB75</b>	A Sustainable Strategy in Peptide Synthesis for the Preparation of cis-4-Hydroxy-L-Prolyl Amides	Ivo E. Sampaio-Dias, Beatriz L. Pires-Lima, Xavier Cruz Correia, Hugo F. Costa-Almeida, Sara C. Silva-Reis, and Xerardo García-Mera
<b>AMB76</b>	Protic Organic Salts as additives in Vanadium Redox Flow Batteries	A. Bernardes, D. A. S. Agostinho, H. Cruz, Y. A. Ivanova, A. Mendes, P. S. Branco, L. C. Branco
<b>AMB77</b>	The Impact of Grid-Connected Battery Storage Systems on Electrical Grid Variables	Mohammad A. Bany Issa, Blanco García Laura, Salgado Carballo, Josefa, Pastora M. Bello Bugallo
<b>AMB78</b>	Quality of biofertilizer produced in home composting	Miriam Domingues Guimarães; Laura Vitória dos Anjos Fucilini; Marina Celant de Prá; Carlos Alberto Casali
<b>AMB79</b>	Rugulopteryx okamurae's Surprising Potential for Metal Nanoparticles Synthesis	Estefanía Pereira Pinto, Iván Franco Rodil, María del Carmen Rodríguez Argüelles, Noelia González Ballesteros
<b>AMB80</b>	Ulvan-Functionalized Gold Nanoparticles: Advancing Green Nanotechnology from Algae	Estefanía Pereira Pinto, María del Carmen Rodríguez Argüelles, Noelia González Ballesteros
<b>AMB81</b>	INNOAQUA: Innovative Approaches for an Integrated use of Algae in Sustainable Aquaculture Practices and High-Value Food Applications	Maria Moita, Bernardo Carneiro, Xavier Lopes, Francisco Rocha, João P. Mendes, José M. M. M. de Almeida, Pedro A. S. Jorge, Luís C. C. Coelho
<b>AMB82</b>	Advancing Sustainability with Lithium-Ion Batteries: Economic and Environmental Impacts in Residential Energy Systems	Zaid A. Al Muala1,2, Pastora M. Bello Bugallo1
<b>AMB83</b>	Perspectivas Futuras y Desafíos en la Transformación Energética Global	Blanco García Laura1, Mohammad A. Bany Issa2, Salgado Carballo, Josefa1,3, Pastora M. Bello Bugallo1,2
<b>AMB84</b>	The Impact of Battery Size and Depth of Discharge in Battery's Sustainable Use and Carbon Emission: Energy Management According to Spanish Electricity Tariff	Blanco García Laura1, Victoria Carballeira Fernández1, Zaid A. Al Muala2,3, Pastora M. Bello Bugallo1,2

## Bioquímica y Biotecnología

### Oral

<b>BB01</b>	Biosensing platforms for exosome detection in liquid biopsies. Applications in cancer diagnostics	Rosanna Rossi, Anaixis del Valle, Arnau Pallarès, Mercè Martí, María Isabel Pividori
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<b>BB02</b>	Características de la superficie celular asociadas a la virulencia de mutantes de <i>Mycobacterium tuberculosis</i> defectivos en los transportadores de membrana CtpF y MmpL7	Carlos Y. Soto*, Sergio Ricaurte, Milena Maya-Hoyos
<b>BB03</b>	ChemSensing – A biosensor to detect human sensitizers	Beatriz Rodrigues, Manuela F. Frasco, Ana C. Fonseca, Maria Teresa Cruz and Ana Silva
<b>BB04</b>	Application of adjuvant factors in differentiated intestinal epithelial cell systems: assessment of gluten-induced perturbation in cells' homeostatic and inflammatory states	Da Silva, Sara; Monteiro, Bruna; Milheiro, Daniela; Mateus, Nuno; De Freitas, Victor; Dias, Ricardo
<b>BB05</b>	Severity scale of post-COVID condition using advanced spectroscopy	Paula Antelo Riveiro, Manuel Vázquez, María Jesús Domínguez Santalla, Emilio Rodríguez Ruíz, Ángel Piñeiro, Rebeca García Fandiño
<b>BB06</b>	Evaluation of the Cytotoxicity Profile of Prebiotic Biosurfactants Produced by Lactic Acid Bacteria for Dermal Applications	A. Martínez-Arcos, J.S. Gomes, C. Santos-Pereira, B. Pérez-Cid, J.M. Cruz, D. Ferreira, S.C. Silveiro, A.B. Moldes, L.R. Rodrigues and X. Vecino
<b>BB07</b>	Extraction of hydrophilic cell bound surface active compounds from biomass contained in olive residual sludge	N. Russo-Martínez, X. Vecino, A.B. Moldes, J.M. Cruz
<b>BB08</b>	Engineered Defensosomes: Quantifying and improving the cytoprotective efficiency of extracellular vesicles (EVs) against <i>Staphylococcus aureus</i> Alpha Hemolysin (Hla)	Diogo Gonçalves, Ricardo Silva, Nuno Bernardes, Ana M. Azevedo, Carmen Fernandez-Becerra, Sandra N. Pinto, Fábio Fernandes
<b>BB09</b>	Development of a nanoplatform for a vaccine against toxoplasmosis	Carina Brito, Cláudia Nunes, Andreia Granja, Alexandra Correia, Salette Reis, Margarida Borges
<b>BB10</b>	Integrated glucose oxidase biocatalyst and Fenton-based system for cancer therapy	Rita A. M. Barros, Raquel O. Cristóvão, Cláudia G. Silva, Joaquim L. Faria

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<b>BB11</b>	Herramientas moleculares para la detección de <i>Mycobacterium bovis</i> , genes de resistencia antibiótica y la microbiota de leche y queso de bovinos de la región de Sumapaz, Colombia	Carlos-Y Soto*, Camila Lota, Laura Gómez, John Leguizamón, Nelson Arenas
<b>BB12</b>	Efecto de Análogos de Brasinoesteroides (BRs) del tipo 24-norcolanos para la inducción de callo de <i>Aristotelia chilensis</i> (Mol.) Stuntz y ultraestructura del callo productor de antocianinas.	Díaz K., Molina P., Chavéz M.I., Osorio M., Espinoza L.
<b>BB13</b>	Extracción de xilano $\beta$ -1,3 a partir de algas marinas	Andrea Luaces Pérez, Marta Diéguez Pérez, Andrea Rodríguez Sanz, Clara Fuciños González, Ana María Torrado Agrasar, María Luisa Rúa Rodríguez
<b>BB14</b>	Antimicrobial Activity Evaluation of the Biosurfactant Extract Obtained by Membrane Technology Against Different Pathogenic Bacterial Strains	A. Martínez-Arcos, J.M. Cruz, A.B. Moldes, X. Vecino and M. Nitschke
<b>BB15</b>	Improving Hybrid Carrageenan Gel Properties and Extraction Efficiency from <i>Mastocarpus stellatus</i> and <i>Chondrus crispus</i> with Subcritical Water	Elsa F. Vieira <sup>1,*</sup> , Clara Grosso <sup>1,*</sup> , Maria Luz Maia <sup>1</sup> , Cristina Delerue-Matos <sup>1</sup> , Bruno Faria <sup>2</sup> , Loic Hilliou <sup>2</sup>
<b>BB16</b>	Tratamiento hidrotérmico da macroalga invasora <i>Sargassum muticum</i> para a produção de oligosacáridos, bioetanol e ácido succínico	Álvaro Lobato-Rodríguez, Beatriz Rodríguez-Martínez, Pablo G. Del Río, Gil Garrote, Beatriz Gullón

<b>BB17</b>	Antimicrobial Susceptibility Pattern of Fecal Bacteria isolates from Wastewater: Impact of WWTP Effluents Biochemistry and Biotechnology	Lorena E. de Souza, Ana Paula Ferreira, Adriano S. Silva, Vanessa B. Paula, Ermelinda L. Pereira
<b>BB18</b>	Isolamento e estabelecimento de condições de crescimento do fungo <i>Terana caerulea</i> para potencial produção de pigmentos	Yara G. Aquino, Isabel P. Fernandes, Anabela Martins, Miguel Prieto Lage; Ricardo C. Calhelha, Sandrina A. Heleno
<b>BB19</b>	Aislamiento e inoculación de especies de <i>Trametes versicolor</i> del Parque Natural de Montesinho	Ana Saldanha, Matilde Rodrigues, Gonçalo S.A. Martins, José Pinela, Maria Inês Dias, Carla Pereira
<b>BB20</b>	In Vitro Cell Models for Assessing Ingestion Exposure in Firefighters: New Insights into Occupational Risk	Francisca Rodrigues, Filipa Teixeira, Joana Teixeira, Maria João Bessa, Gabriel Sousa, Cristina Delerue-Matos, Bruno Sarmento, Marta Oliveira
<b>BB21</b>	Impact of Subcritical Water Extraction on the polysaccharide characteristics of hybrid carrageenans from <i>Mastocarpus stellatus</i> and <i>Chondrus crispus</i>	Clara Grosso, Elsa F. Vieira, Maria Luz Maia, Cristina Delerue-Matos, Bruno Faria, Maria D. Torres, Loic Hilliou
<b>BB22</b>	Study of the Cosmeceutical Properties of the Plant <i>Anacyclus monanthos</i> subsp. <i>cyrtolepidioides</i>	Souha Soulef Atig

### Catalisis y Fotocatálisis

#### Oral

<b>CAT01</b>	Iron-based metal organic framework as a suitable catalyst in photo-PMS activation for venlafaxine degradation	Aida M. Díez, André Torres-Pinto, Marta Pazos, M. Ángeles Sanromán, Adrián M.T. Silva
<b>CAT02</b>	$\beta$ -Ketoenamine linked Covalent Organic Frameworks as photocatalyst for direct sulfonation of anilines	Paula Escamilla, Pedro Ferreira, Saul Alberca, Akshay M. Nair, Martín Fañanás, Manuel Souto.
<b>CAT03</b>	Modificaciones y optimización del nitruro de carbono gráfico y sus técnicas de inmovilización para la eliminación de contaminantes coloreados en agua	Antía Fdez-Sanromán, Bárbara Lomba-Fernández, Marta Pazos, Emilio Rosales y M. Ángeles Sanromán
<b>CAT04</b>	High-performance Fe-modified black tea biochar as electrocatalyst for water splitting applications	Raquel Domínguez-Alonso, Aida M. Díez, Marta Pazos, M. Ángeles Sanromán
<b>CAT05</b>	Implementation of novel Zn-MIL53(Fe) catalyst in Advanced Oxidation Processes to degrade pharmaceuticals in wastewater	D. Terrón*, M.A. Sanromán, M. Pazos
<b>CAT06</b>	Empleo de materiales organometalo-silíceos de iridio (III) en procesos fotocatalíticos de transferencia electrónica	Miguel A. Rodríguez,* Mónica Martínez-Aguirre, Janira Herce, Elena Serrano, Javier García-Martínez, Jesús R. Berenguer
<b>CAT07</b>	Molybdenum oxide hybrid catalysts with bipyridine ligands as heterogeneous and RISS catalysts in olefin epoxidation	Diana M. Gomes*, Ana C. Gomes, Patrícia Neves, Filipe A. A. Paz, Anabela A. Valente, Isabel S. Gonçalves, Martyn Pillinger
<b>CAT08</b>	Síntesis de organometalo-titanias híbridas y su aplicación en la fotodegradación de colorantes con luz visible	Janira Herce, Jesús R. Berenguer, Miguel A. Rodríguez, Elena Serrano, Javier García-Martínez
<b>CAT09</b>	Electrospun Fe-MOF nanofiber membranes: Synthesis and catalytic application in the Electro-Fenton process	B. Lomba-Fernández, A. Fdez-Sanromán, E. Rosales <sup>1</sup> , M. Pazos, M.A. Sanromán
<b>CAT10</b>	Earth-abundant carbon-based catalysts for visible light-driven H <sub>2</sub> evolution from water	Eliana S. Da Silva, Anna Marcial, Jordi Garcia-Antón, Roger Bofill, Laia Francàs, Xavier Sala

<b>CAT11</b>	Hybrid nanomaterials based on semiconductor–metal sulfides/oxides; synergetic promotion of photocatalytic activity	Rúben Feiteira, Paula Paíga, André M. Pereira, Cristina Delerue-Matos, Clara R. Pereira, Marta S. Nunes, I. Kuźniarska-Biernacka
<b>CAT12</b>	Heteropoly acids @PVA membranes for glycerol acetalization	F. Mirante, C. Dias, C.R. Gomes and S.S. Balula
<b>CAT13</b>	Effective Porous Metal-organic Frameworks catalysts for ring-opening reaction	César Sampaio, Isabel Santos-Vieira, Eulália Pereira, Salette S. Balula
<b>CAT14</b>	Microwave-assisted ethyl levulinate production using as catalyst rice husk biobased materials	Inês Marques, Andreia Peixoto, Eulalia Pereira, Baltazar de Castro, Andreia Leite
<b>CAT15</b>	Evaluating the Impact of Thermal Treatment on the Catalytic Efficiency of Carbon Nanotubes as Catalytic Support in Fischer-Tropsch Synthesis	Thais S. Berberich, Dânia Constantino, Bruno F. Machado, Helder Gomes, Joaquim L. Faria

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<b>CAT16</b>	Surface response methodology to optimise orange peel biochar synthesis for water splitting applications	Raquel Domínguez-Alonso, Aida M. Díez, Marta Pazos, M. Ángeles Sanromán
<b>CAT17</b>	Nitruros de carbono gráfiticos modificados como fotocatalizadores verdes para la eliminación de contaminantes emergentes	Xan Barreiro-Xardón, Francisco Ivars-Barceló, Marta Pazos, M. Angeles Sanromán <sup>1</sup> y Emilio Rosales
<b>CAT18</b>	Green synthesis of ZnO NPs for rapid and efficient photocatalytic degradation of methylene blue in UV and visible light.	Naldirene N. Fonseca*, Davi S. Ferreira, Adriana M. P. Ferreira, Diego R. P. do Nascimento, Matías Blanco, Jose Alemán, José H. G. Rangel
<b>CAT19</b>	Synthesis of Zn and Fe nanocomposites obtained by pyrolysis of ternary deep eutectic solvents for catalytic water treatment applications	B. Lomba-Fernández, E. Rosales, M. Pazos, M.A. Sanromán
<b>CAT20</b>	Copper effect in catalytic performance of transition metal-doped ferrites involved in the synthesis of tacrine derivatives	Elena Pérez-Mayoral <sup>1</sup> , Sergio Morales-Torres, Luisa M. Pastrana Martínez, Francisco J. Maldonado-Hódar
<b>CAT21</b>	Nitrogen catalytic sites on carbon surface able to promote the Friedländer reaction: DFT calculations	Elena Pérez-Mayoral*, Marina Godino-Ojer, Antonio J. López-Peinado, Sergio Morales-Torres, Luisa M. Pastrana Martínez, Francisco J. Maldonado-Hódar
<b>CAT22</b>	Stable and cost-effective catalysts for the degradation of dyes in water	M. Ferreira, R. B. Pereira, A. Gomes, M. J. Araújo, P. Gameiro, P. Gomes
<b>CAT23</b>	Removal of a micropollutant model using novel three-electrode cells with advanced oxidation treatments	Antón Puga, Verónica Poza-Nogueiras, Cristina Soares, Cristina Delerue-Matos
<b>CAT24</b>	<i>Eco-Friendly Catalysts Derived from Biowaste for Efficient Hydrogen Production</i>	Aida M. Díez, Stefano Chiussi, Marta Pazos, M. Ángeles Sanromán
<b>CAT25</b>	g-C <sub>3</sub> N <sub>4</sub> -TiO <sub>2</sub> -SiO <sub>2</sub> nanocomposites for producing multifunctional buildings with hydrophobic, self-cleaning and depolluting properties	M. Luna, C.G. Silva, J.M. Gatica, M.J. Mosquera, J.L. Faria
<b>CAT26</b>	Immobilised Cs <sub>3</sub> Bi <sub>2</sub> Br <sub>9</sub> Perovskites for Photocatalytic Imines Synthesis	Joana C. Lopes, Manuel Peñas Garzón, Maria J. Sampaio, Cláudia G. Silva, Joaquim L. Faria

### Enseñanza de la Química

#### Oral

<b>EDU01</b>	"El uso de los gráficos en la enseñanza de la química"	Sandro J. González Lafarga
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<b>EDU02</b>	Reacciones microquímicas: Un interesante recurso para el ahorro de reactivos y residuos.	José Antonio murillo Pulgarín
<b>EDU03</b>	El color que te puede salvar la vida: una aproximación experimental a la química de fármacos en el aula de Educación Secundaria Obligatoria, Bachillerato y Formación Profesional	Ángel Vidal-Vidal
<b>EDU04</b>	De las chicas del Radio al enemigo invisible: aprendizaje experimental de la radiactividad en el aula de ciencias experimentales	Ángel Vidal-Vidal

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<b>EDU05</b>	Cinética de las reacciones químicas	José María Fernández Solís, Elia Alonso Rodríguez, Elena González Soto, Victoria González Rodríguez, Jesús Manuel Castro Romero
<b>EDU06</b>	Práctica virtual de Laboratorio de Química: Determinación del calor específico del plomo	José María Fernández Solís, Andrea María Gómez Rodríguez, María Jesús Rodríguez Guerreiro, Sabela Fernández Alonso, Elena González Soto
<b>EDU07</b>	Caso Práctico: uso de herramientas Jupyter Notebooks para la resolución de problemas de gases reales	Santiago Urréjola-Madriñán, Ángel Sanchez-Bermúdez, Ana María González-Sanchez, Mercedes Pardo-Clavijo
<b>EDU08</b>	Caso Práctico: uso de herramientas Jupyter Notebooks para la resolución de problemas de cinética	Santiago Urréjola-Madriñán, Ángel Sanchez-Bermúdez, Ana María González-Sanchez, Mercedes Pardo-Clavijo

## Química Industrial e Ingeniería Química

### Oral

<b>IND01</b>	Producción de ácido biosuccínico mediante estrategias fermentativas a partir de peles de pataca: optimización do proceso	Beatriz Rodríguez-Martínez, Remedios Yáñez, Fernando Rodríguez-Rebelo e Beatriz Gullón
<b>IND02</b>	Synthesis of novel Carboxymethyl Cellulose-Coated Metal-Organic Framework and its use in heterogeneous Electro-Fenton	D. Terrón*, M.A. Sanromán, M. Pazos
<b>IND03</b>	Extraction of Hydroxyapatite at Moderate Temperature Using Ionic Liquids	Alexandra Cáceres*, Carlos A. Pena, Ana Soto
<b>IND04</b>	Rheological measurement of corn starch gel hydrolysis rate at different $\alpha$ -amylase concentrations	L. Montes, J. Sineiro, R. Moreira
<b>IND05</b>	PEG/Sodium Citrate Aqueous Two-Phase Systems: Phase Diagrams	René Gómez-Pineda, Ana Soto, Oscar Rodríguez
<b>IND06</b>	Fish Protein recovery using Aqueous Two-Phase Extraction	René Gómez-Pineda, Ana Soto, Oscar Rodríguez
<b>IND07</b>	Optimisation of pectin extraction from inner lime peel using succinic acid aqueous solutions	Bochra Benabed
<b>IND08</b>	A comparative study of leather dyeing with different colourants: synthetic versus natural mordant	A.L.N. Zanella, T.B. Schreiner, R. Mourão, J. Gaião, J. Cruz, C. Leal, B. Demczuk Jr., A. Santamaria-Echart, M.F. Barreiro
<b>IND09</b>	Leather natural dyeing with Mulberry ( <i>Morus alba</i> ) leaf extract: a comparative study with different natural mordants	A.L.N. Zanella, T.B. Schreiner, R. Mourão, J. Gaião, J. Cruz, C. Leal, B. Demczuk Jr., A. Santamaria-Echart, M.F. Barreiro

- IND10** Enhanced Gelatine Extraction from Tuna Skin Using a Non-Dissolution Ionic Liquid Pretreatment Carlos A. Pena, Cristina Gallego, Paula Souto-Montero, Eva Rodil, Ana Soto
- IND11** Enhancing Grid Stability and Sustainability Through Battery Storage Systems Integration with Renewable Energy Sources Mohammad A. Bany Issa, Pastora M. Bello Bugallo
- IND12** Engineering of Chemically Resilient FTO Current Collectors for Stable and Efficient Upscaled Photovoltaics and Photoelectrochemical Devices for Water Splitting D Ivanou\*, J. Capitão, T. Lopes, L. Rodrigues, T. Lopes, P. Dias, A. Mendes
- IND13** Phosphomolybdic acid as a high-capacity electrolyte in aqueous redox flow cell Yuliya Ivanova<sup>1,2</sup> \*, Carlos Almeida<sup>1,2</sup>, Dzmityr Ivanou<sup>1,2</sup>, Adélio Mendes<sup>1,2</sup>

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- IND14** Autothermal pyrolysis of a photopolymer demonstrated by TGA-DSC and simulated by ASPEN Plus software N. Corrochano, C. Moya, M.I. Pariente, Y. Segura, R. Molina, F. Martínez, J.L. Diaz de Tuesta
- IND15** Analysis of gorse flower extracts obtained by ultrasound assisted technology: determination of phenolic compounds and antioxidant activities Pablo Rodríguez, María Dolores Torres, Herminia Domínguez, Juan Carlos Parajó, Sandra Rivas\*
- IND16** A biorefinery approach for the manufacture and characterization of oligosaccharides and antioxidants from gorse Sonia Iglesias, Pablo Rodríguez, Saúl González, Sandra Rivas\*
- IND17** Obtención de 5-HMF a partir de bagazo de mazá usando disolventes verdes asistidos con microondas Alexandre Rubira, Cristiana Martins, Aloia Romaní e Beatriz Gullón
- IND18** Physical Properties of Cholinium L-Lysinate and its Mixtures with Different Solvents Alexandra Cáceres\*, Carlos A. Pena, Ana Soto
- IND19** Neutralization of Bauxite Waste (Red Mud) through CO<sub>2</sub> Absorption Álvaro Pego-Alvarez, Fernando Cerdeira, Estrella Alvarez
- IND20** Evaluation of the effectiveness of impregnated activated carbon in monoethanolamine or diethanolamine for CO<sub>2</sub> capture Ana Miles-González, Estrella Álvarez, Ángel M. Sánchez
- IND21** Strategies for the integral valorisation of wine industry waste through sustainable processes Cristiana Martins, Alexandre Rubira, Beatriz Gullón, Aloia Romaní
- IND22** MICROWAVE PYROLYSIS OF KRAFT LIGNIN FOR SUSTAINABLE ACTIVATED CARBON PRODUCTION Tayra R. Brazil, Erika M.L. Sousa, Erick G.R. dos Anjos, María V. Gil, Maraísa Gonçalves, Vânia Calisto, Edson C. Botelho
- IND23** Impact of organic acids during pilot-scale dialysis for biosurfactant recovery X. Vecino, A. Martínez-Arcos, M. Reig, N. Russo-Martínez, J.M. Cruz, B. Pérez-Cid, J.L. Cortina, A.B. Moldes
- IND24** Metals dynamics in pilot-scale dialysis for biosurfactant recovery B. Pérez-Cid, A. Martínez-Arcos, M. Reig, N. Russo-Martínez, J.M. Cruz, A.B. Moldes, J.L. Cortina, X. Vecino
- IND25** Microwave hydrodiffusion and gravity as pretreatment to enhance phenolic compounds and polysaccharides extraction from terrestrial and marine biomass Francisco Díaz, Julie Queffelec, Sheyma Inoubli, Noa González Martínez, Maria D. Torres Pérez, Herminia Domínguez
- IND26** Extraction of pectin from inner orange peel with aqueous solutions of different biobased organic acids Bochra Benabed
- IND27** Sequential extraction of biosurfactants from corn steep water combining liquid-liquid extraction and dialysis process: A comparative study A. Martínez-Arcos, M. Reig, J.L. Cortina, J.M. Cruz, A.B. Moldes and X. Vecino
- IND28** Renewable Energy Sources: Battery Storage Systems for a Sustainable Future María Cousillas Rodríguez, Mohammad A. Bany Issa, Zaid A. Al Mualá, Pastora M. Bello Bugallo



<b>IND29</b>	Synthesis and purification of ethyl lactate (EL) using a sustainable process	Leandro Domínguez*, Juan Ortega, Beatriz Lorenzo, Mustapha Maarouf, Cristina V. Santana, Luis Fernández
<b>IND30</b>	Simulated Moving Bed Reactor for 1,1-Diethoxybutane Synthesis	Juan Ortega1*, Beatriz Lorenzo1, Alirio E. Rodrigues2
<b>IND31</b>	Industrial By-Products for Biogas Production	Elham Sadat Hashemi Sangdehi, Pastora M. Bello Bugallo

## Nanoquímica y Nanotecnología

### Oral

<b>NN01</b>	Preparation, characterization and stability evaluation of self-assembled anthocyanins-loaded zein/polysaccharide nanoparticles	Wen Tao, Ana Fernandes, Jingren He, Isabel Ferreira, Nuno Mateus, Victor de Freitas, Helder Oliveira
<b>NN02</b>	Interplay Between Spin-Spin Interactions and Molecular Conductance in Boron-Doped GNRs	Iago Pozo1,*, Niklas Friedrich2, José Ignacio Pascual2, Dolores Pérez,1 and Diego Peña1
<b>NN03</b>	Emprego de carbon dots como material sensor fluorescente para a deteção de nanopartículas de titânio em água	Lozano González, Iván; Moreda Piñeiro, Antonio; Bermejo Barrera, Pilar; Herbello Hermelo, Paloma
<b>NN04</b>	Sol-Gel Coordination Chemistry for sustainable applications	Jesús R. Berenguer, Miguel A. Rodríguez, Javier García-Martínez, Elena Serrano, Rubén D. Costa
<b>NN05</b>	MoS <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub> nanomaterials for effective water treatment: A study on acetamiprid removal	L. O. Amaral, J. Ortiz-Bustos, Y. Pérez, A. L. Daniel-da-Silva, I. Hierro
<b>NN06</b>	Energy monitoring by color change in electrochromic textile supercapacitors using PEDOT:PSS and nitrogen-doped porous carbon from glucose	Gabriela P. Queirós, Natalia Rey-Raap, Manuel Fernando R. Pereira, César A. T. Laia, André M. Pereira, Clara R. Pereira
<b>NN07</b>	Magnetic CNT@MnFe <sub>2</sub> O <sub>4</sub> -based Thermally-Chargeable Textile Supercapacitor with Glow-in-the-Dark Properties	Joana S. Teixeira, André M. Pereira, Clara R. Pereira
<b>NN08</b>	Quantum-dot mediated fluorescence detection of miRNAs	Ana L. Silva, Catarina S. M. Martins, Marcela A. Segundo, João A. V. Prior
<b>NN09</b>	Quantum Dot-Based Nanosensors for Early Detection of Cancer Biomarkers via TR-FRET Technology	Catarina S. M. Martins, Anne Nsubuga, Ruifang Su, Nour Fayad, Thibault Gallavardin, Niko Hildebrandt, Francis Leonard Deepak, João A. V. Prior
<b>NN10</b>	Análise de glóbulos vermelhos expostos a AgNPs mediante single-cell ICP-MS	Ana Justo Vega, Javier Jiménez Lamana, Pilar Bermejo Barrera, Raquel Domínguez González, Antonio Moreda Piñeiro
<b>NN11</b>	Breaking bAD: using chemistry, biophysics and biotechnology to unburden Atopic Dermatitis	Ana Isabel Barbosa, Sofia A. Costa Lima, Salette Reis
<b>NN12</b>	Biodisponibilidade de nanopartículas de Ag e TiO <sub>2</sub> em organismos marinhos	María Carmen Barciela-Alonso, Elena Peña-Vázquez, Raquel Domínguez-González, Antonio Moreda-Piñeiro, Pablo Taboada-Antelo, Pilar Bermejo-Barrera
<b>NN13</b>	Cationic polyurea (PURE) dendrimers an Escape from antimicrobial resistance	Dalila Mil-Homens, Laura Pereira, Rita F. Pires, Oriana Lozano, Maria Carvalho, Vitória Rodrigues, José M. Andrade, Marta M. Alves5, Gabriel Serafim1, Manuel Melo, Arsénio M. Fialho, Vasco D.B. Bonifácio, Sandra N. Pinto

<b>NN14</b>	Development of Gold NanoProbes for detection of DNA mutations	Maria Enea, Beatriz Topa, Ricardo Franco and Eulália Pereira
<b>NN15</b>	Science Inspired by Nature: Milk-Based Delivery Systems	Andreia Marinho, Ana Macedo, Filipa Soares, Salette Reis, Cláudia Nunes
<b>NN16</b>	Engineered Liposomes as an efficient strategy for enhancing the treatment of Mycobacterial infections	Andreia Granja, Marco Silva, Margarida Borges, Salette Reis
<b>NN17</b>	Nanocellulose for Applications in Strategic Sectors: Production, Modification, and Application	M.M Castro, V. López, V. Regueira, C. Santos, M. Osorio, M. Traore, T. Nóvoa, P. Jiménez, R. Nogueiro
<b>NN18</b>	Lipid Nanoparticles in Action: Powering Hyaluronic Acid Production in Skin Cells	Zinaida Shakel, Sofia A. Costa Lima, Salette Reis
<b>NN19</b>	Engineering Efficient Energy Transfer in DNA Hybrid Systems	Maria João B. Lopes, Susana P. G. Costa and Jana B. Nieder
<b>NN20</b>	Rosamine-Loaded Metal-Organic Framework: A Bright Sensor for Cu(II) Detection	Fábio Martins, Carla Queirós, Andreia Leite, Paula Gameiro, Ana I.M.C. Lobo Ferreira, Luís M.N.B.F. Santos, Maria G.P.M.S. Neves, Ana M.G. Silva
<b>NN21</b>	Formulation of Ethosomal Suspensions Loaded with Rubus idaeus Leaf Extract for Cosmetic Application	Paula Plasencia, Tatiana B. Schreiner, Giovana Colucci, Arantazu Santamaria-Echart, Pablo A. García, Lillian Barros, Maria F. Barreiro

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<b>NN22</b>	Digital Image Colorimetry Smartphone Determination of ZnO NPs	Mariña Ramos Queixas, Manuel Aboal-Somoza, Pilar Bermejo-Barrera, Ana M. García-Deibe, Matilde Fondo, Jesús Sanmartín-Matalobos
<b>NN23</b>	Detection of CuO NPs in ethanol-water solution using a fluorescent probe	Mariña Ramos Queixas, Manuel Aboal-Somoza, Pilar Bermejo-Barrera, Ana M. García-Deibe, Matilde Fondo, Jesús Sanmartín-Matalobos
<b>NN24</b>	Does quercetin protect intestinal cells from silver nanoparticle-induced pro-inflammatory effects?	Inês Santos, Adelaide Sousa, Félix Carvalho, Eduarda Fernandes, Marisa Freitas
<b>NN25</b>	Synthesis and characterization of ZnO nanostructures using olive leaf extract for prospective application in food packaging	Pinheiro, S.; Poças, F.; Carmo, H.; Granadeiro, C.M.
<b>NN26</b>	Engineered bioactive casein micelles for hypertension treatment	Maria Macedo, Filipa Soares, Salette Reis, Cláudia Nunes
<b>NN27</b>	Sustainable nanomaterials from biomass: potential for scale-up and commercialization in the near future	M. M. Castro <sup>1,*</sup> , V. López <sup>1</sup> , V. Regueira <sup>1</sup> , C. Santos <sup>1</sup> , M. Osorio <sup>1</sup> , M. Traore <sup>2</sup> , T. Nóvoa <sup>2</sup> , P. Jiménez <sup>2</sup> , R. Nogueiro <sup>2</sup>

#### Química de Polímeros

##### Oral

<b>POL01</b>	Proyecto REGATEX: Escalado de un proceso de reciclaje químico de residuos textiles	Requejo Silva, Ana y Francisco Fuentes, José Luis
<b>POL02</b>	Isocyanate-terminated prepolymer synthesis targeting cork composites for the footwear cluster	G.C.S. Adão, T.B. Schreiner, L. Aquino, I.P. Lima, M.J. Ferreira, A. Santamaria-Echart, M.F. Barreiro
<b>POL03</b>	Water-based Polyurethane-urea dispersions as adhesives for the footwear industry: Developing high biobased content solutions	C. Dal Berto, L. Aquino, T.B. Schreiner, I.P. Lima, V. Pinto, M.J. Ferreira, A. Santamaria-Echart, M.F. Barreiro

**POL04** NIPUs a partir de lignina kraft de ENCE Pablo Jiménez1, Álvaro Arufe1, Pedro Calvo2\*

### Poster

**POL05** Viscosidad intrínseca y peso molecular viscosimétrico medio de diferentes quitosanos D. Rey, L. Montes, D. Franco, R. Moreira

**POL06** Empleo de sarmientos procedentes de la poda de vid para la fabricación de pasta de papel y cartón, VINEBOX Requejo Silva, Ana; Reza Cortiñas, Manuel; Francisco Fuentes, José Luis

**POL07** Gelatine-alginate hydrogels: evaluation of swelling and 3D-printability targeting wound healing applications Sofia S. Bernardoni, Leandro L. Aquino, Ana C. Lima, Caroline C. Sipoli, Arantzazu Santamaria-Echart, Filomena Barreiro

**POL08** Lignina kraft de ENCE para la fabricación de espumas de poliuretano y poliuretanos termoplásticos 0

**POL09** Recent advances in biodegradable polymers for fishing gear manufacturing Vaisakh Yesodharan, Ahinara Francisco López, Pastora M. Bello Bugallo

### Química Analítica

#### Oral

**QA01** Portable electrochemical biosensing device for point-of-care diagnostics. Applications in communicable diseases Melania Mesas, Anaixis del Valle, Jennifer Marfa, Juan C. Porras, Arnau Pallarès, Jofre Ferrer-Dalmau, Mercè Martí, María Isabel Pividori

**QA02** Screening y determinación de plaguicidas en aguas superficiales y subterráneas mediante cromatografía líquida acoplada a espectrometría de masas con analizador de tiempo de vuelo V. Fernández-Fernández, M. Ramil, I. Rodríguez

**QA03** Identificación de sustancias orgánicas peligrosas en residuos de aparatos eléctricos y electrónicos Gabriela Castro, Miguel Cobo-Golpe, Isaac Rodríguez

**QA04** Simultaneous detection of human neutrophil elastase and Cathepsin G on a single substrate using a fluorometric quantum dots probe and chemometric models Fátima A. R. Mota

**QA05** Nanosensores Ópticos para la Detección de Iones y Compuestos Volátiles en Muestras Ambientales y Alimentarias N. Villarino, F. Pena-Pereira, I. Lavilla, C. Bendicho

**QA06** Innovative strategies for trapping metals and metalloids using noble-metal nanoparticles immobilized onto cellulose substrates I. de la Calle, H. Bartolomé-Alonso, A. Lourido-Grovas, D. Fernández-Rodríguez, I. Lavilla, C. Bendicho

**QA07** DESIGN OF PAPER-BASED ANALYTICAL DEVICES FOR CHEMICAL AND BIOCHEMICAL ASSAYS OF BIOMARKERS IN BIOLOGICAL FLUIDS OF NON-INVASIVE COLLECTION Francisca T. S. M. Ferreira , António O. S. S. Rangel, Raquel B. R. Mesquita

**QA08** Análise elemental e isotópica de alta precisión de metais para o estudo da metalómica de peixes infectados por parasitos A. Collazo-Abalo, Lana Abou-Zeid, Frank Vanhaecke, F.J. Pena-Pereira, Carlos Bendicho, Isela Lavilla, M. Costas-Rodríguez

**QA09** Cytochrome P450 Testosterone Biosensor using Modified Carbon Screen-Printed Electrodes Carina S.P.Vieira, Sara Cravo, Emília Sousa, Marcela A. Segundo, Alberto N. Araújo

**QA10** Flow-based method for total protein content monitoring in by-products hydrolysates Raquel Teixeira, Tânia C. F. Ribas, Manuela Pintado, António O. S. S. Rangel

**QA11** Utilização de diferentes dados de segunda-ordem para a determinação de tiamina explorando a reversão de um Rafael C. Castro, Ricardo N.M.J. Páscoa, M. Lúcia M. F. S. Saraiva, João L.M. Santos, David S.M. Ribeiro

proceso FRET entre Puntos Quánticos de Carbono e Nanopartículas de Prata

- QA12** Innovative extraction procedure based on deep eutectic solvent and cellulose membrane for the determination of synthetic musks in surface waters Fabiana Terlizzi, Tamara Gonzalez, Rui Lapa, José O. Fernandes, Sara C. Cunha
- QA13** Binding studies of synthetic cannabinoids to human serum albumin by high-performance affinity chromatography Rita M. G. Santos, Sara Cravo, Fernando Remião, Carla Fernandes
- QA14** Ensuring food safety: Electrochemical genosensors for the authentication of plant honey origin Stephanie L. Morais, Eduarda Pereira, Michelle Castanheira, Marlene Santos, Valentina Domingues, Cristina Delerue-Matos, M. Fátima Barroso
- QA15** N-hydroxyamides' pKa determination by NMR spectroscopy Ricardo A. L. S. Santos, Andre Leesment, M. Clara F. Magalhães, Célio M. P. G. Amorim, Diana C. G. A. Pinto and Ivo Leito

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- QA16** Isothiazolinones: Chemical and ecotoxicological screening E. Manuela Garrido, Vânia Silva , Aurora Silva , Alexandra Gaspar , Fernanda Borges , Jorge Garrido
- QA17** End-of-life plastics from vineyards. A hot spot of pesticides in the terrestrial environment Miguel Cobo-Golpe, María Ramil, Isaac Rodríguez, Elias Barmettler, Kathleen A. Mackie-Haas Thomas D. Bucheli
- QA18** Estudio de la distribución de fungicidas orgánicos en el sistema uva-suelo-vino V. Fernández-Fernández, L.D. Lemee Collazo, M. Ramil, I. Rodríguez, P. Blanco, A. Vázquez, M. Graña, D. Loureiro, E. Díaz-Losada
- QA19** La huella del empleo de plaguicidas en el polietileno de uso agrícola Gabriela Castro, Victoria Fernández-Fernández, Miguel Cobo-Golpe, María Ramil, Isaac Rodríguez, Ignacio Bernabé, María Ulagares De La Orden, Enrique Blázquez-Blázquez, María Luisa Cerrada, Joaquín Martínez Urreaga
- QA20** Identificación y cuantificación de saponinas en muestras silvestres de Quillaja saponaria Mol. mediante HPLC-PDA Chávez M.I., Mancilla J.L., Escobar M., Díaz K.
- QA21** Optimización de condiciones de separación por HPLC mediante inteligencia artificial Esther Felipe de la Torre, Roberto López González, Fernando J. Pereira García, M<sup>a</sup> Montserrat López Cabeceira
- QA22** Aplicación de un Diseño Central Compuesto para la optimización de separaciones mediante HPLC Esther Felipe de la Torre, Roberto López González, Fernando J. Pereira García
- QA23** Curcumin-containing paper based analytical devices for boron determination in environmental waters A. Abalde-Pujales, F. Pena-Pereira, A. Velázquez, V. Romero, I. Lavilla, C. Bendicho
- QA24** Photochemical synthesis of carbon dots: Applications in analytical chemistry A. Abalde-Pujales, C. Bendicho, I. Lavilla, V. Romero
- QA25** A paper-based analytical device for the simultaneous scanometric determination of nitrite and sulfide in environmental waters N. Villarino, F. Pena-Pereira, Ó. Matesanz, I de la Calle, I. Lavilla, C. Bendicho
- QA26** Rapid and eco-friendly chromatographic method for the determination of polyphenolic compounds in leaf water extracts M.C. Prieto-Blanco, A. García-Bellas, M. Pimentel-Pereira, A. Carlosena-Zubieta, S. Muniategui-Lorenzo

<b>QA27</b>	SMART SAMPLING PROCEDURE FOR METAL IONS ASSESSMENT IN DYNAMIC WATER SYSTEMS	Raquel B. R. Mesquita, Mafalda G. Pereira, Francisco A.P. Rodrigues, Maria M.P. Melo, Francisca T.S.M. Ferreira, Tânia C.F. Ribas, António O. S. S. Rangel
<b>QA28</b>	Separación de proteínas mediante electroforesis offgel en muestras de algas expuestas a nanopartículas de plata	Sheila González Barcia, María Carmen Barciela Alonso, Elena Peña Vázquez e Juan José López Mayán
<b>QA29</b>	Determinación de elementos críticos tecnológicos en cunchas de moluscos mediante Espectrometría de Masas con Plasma de Acoplamiento Inductivo	Sheila González Barcia, Elena Peña Vázquez e María Carmen Barciela Alonso
<b>QA30</b>	CONTAMINACIÓN DE COMBUSTIBLE DIESEL	L.R.. Sánchez-Fernández, M.C. Fernández-Feal, M.L. Fernández-Feal
<b>QA31</b>	Sonda ratiométrica composta por pontos quânticos de carbono e de AgInS <sub>2</sub> para a determinação fotoluminescente e visual de ácido ibandrónico	Rafael C. Castro; Ricardo N. M. J. Páscoa; M. Lúcia M. F. S. Saraiva; João L. M. Santos; David S. M. Ribeiro
<b>QA32</b>	Desenvolvimento de um processo FRET utilizando pontos quânticos de AgInS <sub>2</sub> e nanopartículas de ouro para a detecção de betabloqueadores	David S. M. Ribeiro; Rafael C. Castro; André F. R. Lopes; José X. Soares; João L. M. Santos
<b>QA33</b>	Plastic antibodies as a Revolutionary Recognition Element in Electrochemical Protein Sensing	Dmitrij Gritsok, Célia G. Amorim, Martin Hedstrom, Alberto A. Araújo, Maria C.B.S.M. Montenegro
<b>QA34</b>	ANÁLISE DE EXTRACIÓNS EN FASE SÓLIDA APLICADAS A CANNABINOIDES SINTÉTICOS	Julia Portela-Pino, Iván Álvarez-Freire, Ángeles Peña-Gallego
<b>QA35</b>	Development of genosensors for pharmacogenomic targets in the neuropsychiatric diseases: A CYTED project	Stephanie L. Morais, Clara Grosso, Miguel A. Prieto, Patricia G. Molina, Giovanni R. Pinto, Cristian C. Villa, Gloria Serra, Iris A. Feria-Romero, Ovidio Solano, Diana P.D. Sanabria, Pilar V. Souto, Fausto N. Comba, M. Fátima Barroso
<b>QA36</b>	Detecting neurological pharmacogenetic altering SNS CYP2D6 by electrochemical genosensors	Michelle Castanheira, A. Feria-Romero, Giovanni R. Pinto, M. Fátima Barroso
<b>QA37</b>	DETERMINACIÓN DE LA BIOACCESIBILIDAD DE METALES Y METALOIDES EN MICROPLÁSTICOS MEDIANTE ICP-MS/MS	Raúl Todolí Carbonell, Raquel Sánchez Romero, Manuel Miró Lladó
<b>QA38</b>	DETERMINACIÓN DEL PERFIL ELEMENTAL EN BIOMASA MEDIANTE ICP-MS/MS	Raúl Todolí Carbonell, Raquel Sánchez Romero
<b>QA39</b>	Voltammetric profile of psychedelic phenethylamine derivatives	Jorge Garrido, Daniel Martins, E. Manuela Garrido, Fernanda Borges

### Química-Física

#### Oral

<b>QF01</b>	Temperature-dependent photoluminescence of trioxoazatriangulenes	Fanni Fekecs, Manuel Vilas-Varela, Diego Peña, Manuel Souto
<b>QF02</b>	Interaction of cationic gemini surfactants with lipid membranes: a study at the air/water interface	León F. Ureña Sánchez, E.V. Lage, Matilde Casas
<b>QF03</b>	Risk of Dietary Supplements: DNA Alkylation by Nitrosation Products of Amino Acids	María de Pilar García-Santos, Andrea Camín-Caballero

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<b>QF04</b>	Kinetic Study of methionine Nitrosation Reaction. Risk of its consumption as a dietary supplement	María del Pilar García-Santos, Javier Muro Iriarte
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### Química Inorgánica

## Oral

- QI01** Luminescent Europium(III) complexes supported on rice husk ash functionalized with pyridyl groups S. M. Bruno, B. Pinto, M. M. Nolasco
- QI02** A dysprosium complex as a novel magneto-luminescent molecular material Matilde Fondo,\* Cristina González-Barreira, Julio Corredoira-Vázquez, Ana M. Garcia-Deibe, Jesús Sanmartín-Matalobos, Luís D. Carlos
- QI03** Bifunctional lanthanoid-based molecular materials: exploring opto-magnetic properties of a mononuclear Yb complex Paula Oreiro-Martínez, Julio Corredoira-Vázquez, Ana M. García-Deibe, Jesús Sanmartín-Matalobos.
- QI04** Lanthanoid complexes with hexagonal bipyramidal geometry acting as SMMs induced by a magnetic field Cristina González-Barreira, Matilde Fondo, Ana M. García-Deibe, Jesús Sanmartín-Matalobos
- QI05** A molybdenum(0)-tricarbonyl metal-organic framework for the storage and release of the gas transmitter carbon monoxide Isabel B. Calhau, Ana C. Gomes, Ricardo F. Mendes, Filipe A. Almeida Paz, Isabel S. Gonçalves, Martyn Pillinger
- QI06** Synthesis of a copper helicoidal architecture derived from an azine ligand Uxia Barreiro-Sisto, R. Pedrido, M. Maneiro
- QI07** Estabilidade da estrutura closo de ligandos bidentados neutros derivados de B3-carborano I. Vázquez-Carballo, A. Sousa-Pedrares
- QI08** Obtención de complexos derivados de ligandos biscarbamato e estudo da súa descomposición hidrolítica P. Domínguez-Carbón<sup>1</sup>, S. Fernández-Fariña, M. Martínez-Calvo
- QI09** Luminescent Tb<sup>3+</sup>/Eu<sup>3+</sup> complex as optical temperature sensor: design, synthesis, and thermometric properties Julio Corredoira-Vázquez\*, Paula Oreiro-Martínez, Ana M. Garcia-Deibe, Matilde Fondo
- QI10** Fe(III) helicates derived from bishydrazone ligands I. Velo-Helena, L. Rodríguez-Silva, A.M. González-Noya

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- QI11** Luminescent Europium(III) complexes supported on silica derived from rice waste S. M. Bruno, B. Pinto, M. M. Nolasco
- QI12** Implications of the cyclometalation in the coordination of crown ethers Fátima Lucio-Martínez \*, Cristina Núñez, María Luz Durán, Juan M. Ortigueira, José M. Vila
- QI13** Structural study of two heterodinuclear compounds bearing a cyclometalated moiety Fátima Lucio-Martínez \*, Cristina Núñez, Juan M. Ortigueira, José M. Vila
- QI14** Use of half-lantern cyclometalated Pt(II)-Pt(II) complexes as down-converting filters: synthesis and properties. Maria I. F. Moreira, Fábio Martins, Mariana Ferreira, Ana M. G. Silva
- QI15** Study of the influence of the hydrogen bonds in the interaction of copper complexes with DNA Iker Gil, David Gómez de Segura, Mattia Nieddu, Julio Fernández-Cestau, Rubén Costa, M. Teresa Moreno, Elena Lalinde
- QI16** Thermal, dielectric and optical properties of [(CH<sub>3</sub>CH<sub>2</sub>)<sub>3</sub>N(CH<sub>2</sub>X)]<sub>2</sub>[MnCl<sub>4</sub>] ionic plastic crystals Fernando Vecilla, Carmen de Cabo-Rodríguez
- QI17** Inclusion compounds of cucurbit[8]uril and η<sup>5</sup>-cyclopentadienyl molybdenum(II) tricarbonyl complexes for controlled release of CO F. Vecilla, J. García-Ben, M. Gelpi, Á. Ferradanes-Martínez, P. Dafonte-Rodríguez, I. Delgado-Ferreiro, S. Castro-García, M. Sánchez-Andújar, M.A. Señaris-Rodríguez, J.M. Bermúdez-García.
- QI18** Synthesis of a silver achiral mesocate architecture Isabel B. Calhau, Ana C. Gomes, Rodrigo P. Monteiro, André D. Lopes, Isabel S. Gonçalves, Martyn Pillinger

<b>QI19</b>	Síntese dun ligando tiosemicarbazona funcionalizado cun grupo carborano-iminofosforano	U. Barreiro-Sisto, S. Fernández-Fariña, M. Maneiro
<b>QI20</b>	Modificación dun ligando biscarbamato para o estudo do seu comportamento coordinativo	I. Vázquez-Carballo, A. Sousa-Pedrares
<b>QI21</b>	Luminescent cationic cyclometalated PtII complexes with rigid diphosphines	P. Domínguez-Carbón, L. Rodríguez-Silva, M. Martínez-Calvo
<b>QI22</b>	Transforming PET of a plastic bottle into new molecules with potential antimicrobial activity	Lucía Barreras-Calleja, David Gómez de Segura, Julio Fernández-Cestau, M. Teresa Moreno and Elena Lalinde

## Química Orgánica

### Oral

<b>Q001</b>	Innovadores Análogos Tipo Gemini con Fragmentos Ciclopropano: Mellora da Eficacia Antitumoral a Través da Modulación do Receptor da Vitamina D	Uxía Gómez-Bouzó, Carole Peluso-Iltis, Natacha Rochel, Mario Alfredo Quevedo, Annemieke Verstuyf, Lieve Verlinden, Generosa Gómez Pacios and Yagamare Fall Diop
<b>Q002</b>	Improved synthesis of BODIPY dyes: Batch vs continuous flow chemistry	Alexandre P. Felgueiras, Zoe A. Arnaut, Fábio M.S. Rodrigues, Juliana S. F. Cebola, Kleber T. de Oliveira, Mario J. F. Calvete, Mariette M. Pereira
<b>Q003</b>	Derivados do Colesterol: Unha Nova Fronteira para Dirixir os Receptores Orfos Relacionados cos Retinoides Para as Terapias Inmunitarias e Contra o Cancro	Uxía Gómez-Bouzó, Alioune Fall, Judit Osz, Natacha Rochel and Yagamare Fall
<b>Q004</b>	A new porphyrin–rosamine conjugate as a potent singlet oxygen generator	Carla Queirós, Andreia Leite, Nuno M.M. Moura, Ana F.R. Cerqueira, Vanda V. Serra, Maria G.P.M.S. Neves, Augusto C. Tomé, Ana M.G. Silva
<b>Q005</b>	Factorial design for optimization of tetra-substituted meso-aryl porphyrin synthesis through flow chemistry	Zoe A. Arnaut, Alexandre P. Felgueiras, Fábio Rodrigues, Rafael T. Aroso, Alberto A.C.C. Pais, Mariette M. Pereira
<b>Q006</b>	Acidochromic free-standing multilayered chitosan-pyranoflavylum/alginate membranes towards food smart packaging applications	Mariana Cunha, Victor de Freitas, João Borges, João Mano, João M. M. Rodrigues, Luís Cruz
<b>Q007</b>	Preparation of A2B2-type porphyrins through C–N bond formation as useful components in perovskite solar cells	Melani J. A. Reis, Ana M. V. M. Pereira, M. Graça P. M. S. Neves, Nuno M. M. Moura
<b>Q008</b>	Click on Click: Unlocking the Potential of Click Chemistry in Drug Delivery and Small Molecule Synthesis	Nuno M. Saraiva, Ana Alves, Francisca Carvalhal, Salette Reis, Paulo C. Costa, Marta Correia-da-Silva

### Poster

<b>Q009</b>	Síntesis de Nuevos Análogos de Brasinoesteroides benzoilados en C-22 con distintos sustituyentes y su potencial actividad en el crecimiento vegetal	Ernesto Valdés Espinoza, Luis Espinoza Catalán, Renata Merino Cancino, Katy Díaz Peralta, José Quilez del Moral
<b>Q010</b>	Preparation of Bis(silyl)peroxide	João P. Castro; Magne O. Sydnnes; Nuno R. Candeias
<b>Q011</b>	Novel On-Site Oxidation Protocol for the N-Hydroxylation of Melanostatin Neuropeptide Using Cope Elimination	Hugo F. Costa-Almeida, Sara C. Silva-Reis, Xavier C. Correia, Beatriz L. Pires-Lima, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
<b>Q012</b>	Synthesis and Characterization of Neutral- and Cationic-Substituted Zinc(II) Phthalocyanine Dyes	Daiane N. Maronde, José E. Rodríguez-Borges, Leandro M. O. Lourenço

<b>Q013</b>	Strategies for the synthesis of key metabolites of cathinone derivatives pentedrone and methyldone	Ana Sofia Almeida, Paula Guedes de Pinho, Fernando Remião and Carla Fernandes
<b>Q014</b>	Synthesis, enantioseparation and absolute configuration of a benzyl 2-hydroxyoctanoate precursor for cyclic peptides	André Sá Morais, Ricardo Ribeiro, Ana Sofia Pacheco, Ana Carolina F. de Albuquerque, Fernando M. dos Santos Junior, Emília Sousa, Carla Fernandes
<b>Q015</b>	Bifurcaria bifurcata macrolga parda (Phaeophyceae) productora de sustancias antimicrobianas	Andrea Casal-Silva*, Mercedes Cueto, César Peteiro, Sunuram Ray, Teresa Aymerich
<b>Q016</b>	Synthesis of siderophore-antifungal conjugates as an innovative strategy to tackle multidrug resistance	Beatriz M. Rocha, Eugénia Pinto, Emília Sousa, Diana I. S. P. Resende
<b>Q017</b>	Synthesis and optical properties of a new rhodamine–thiazolothiazole conjugate	João M. O. Silva, Fábio Martins, Ana F. R. Cerqueira, Augusto C. Tomé, Ana M. G. Silva
<b>Q018</b>	Synthesis of new acridone derivatives with G-Quadruplex DNA Stabilization Properties	Tiago J. S. Marques, Vera L. M. Silva, Catarina I. V. Ramos
<b>Q019</b>	A New and Efficient Approach to the Synthesis of Red-shifted Aminoimidazole Azo Dyes with Potent Antimicrobial Activity	Mariana Silva e Alice M. Dias
<b>Q020</b>	New Red-shifted Aminoimidazole Azo Dyes with Halochromic Properties: Colorimetric Studies	Mariana Silva e Alice M. Dias
<b>Q021</b>	Synthesis of building blocks for further design of fluorescence probe for enantioselective quantification of amino acids	Maria João S. Rodrigues, Bruno Camargo, Maria Margarida Borges, Carla Fernandes, Eduarda Silva, Maria E. Tiritan
<b>Q022</b>	Enantioseparation of Nadifloxacin by Amylose based Chiral stationary Phase	Igor E. Oliveira, Ana R. Ribeiro, Maria E. Tiritan
<b>Q023</b>	Synthesis of cationic diketopyrrolopyrroles for biological applications	Vasco M. S. Castanheira, Augusto C. Tomé
<b>Q024</b>	Selective Synthesis of Novel Imidazole-based Amidrazones and Hydrazonoyl Cyanides with Anticancer Activity: A Mechanistic Study	Bruna F. Silva, Jorge M. Gonçalves, Paulo J. G. Coutinho, Alice M. Dias
<b>Q025</b>	Efficient Microwave-Assisted Solid-Phase Peptide Synthesis of a Granzyme B Substrate on 2-Chlorotrityl Chloride Resin	Cátia D. F. Martins, M. Manuela M. Raposo, Susana P. G. Costa
<b>Q026</b>	Thienothiophene-based dyes for DSSC applications.	Gabriela Malta, A. Jorge Parola and Paula S. Branco
<b>Q027</b>	A simple on-off optical chemosensor of biologically relevant ions derived from benzofuran-2-carbohydrazide	I. Velo-Helena, R. Pedrido, A.M. González-Noya, M.M.M. Raposo

## Química y Salud

### Oral

<b>QS01</b>	Surface-Active Ionic Liquids derived from Antimalarial Drugs and Natural Lipids That Display Multi-Stage Antiplasmodial Activity	Ricardo Ferraz, Ana Teresa Silva, Isabel S. Oliveira, Denise Duarte, Diana Moita, Fátima Nogueira, Miguel Prudêncio, Paula Gomes, Eduardo F. Marques
<b>QS02</b>	Biomonitoring of Emerging Pollutants - The Problematic of Synthetic Musks and Organophosphate Esters	Sara Sousa, Diogo Pestana, Gil Faria, Cristina Delerue-Matos, Conceição Calhau, Valentina F. Domingues
<b>QS03</b>	Enhancing DNA Gyrase Inhibition with Tunable Fluoroquinolone-Derived GUMBOS: A New Frontier in Antimicrobial Therapy	Fábio M. S. Costa, M. Lúcia M. F. S. Saraiva, Marieta L. C. Passos



<b>QS04</b>	Broad-Spectrum Photosensitive Materials for Photodynamic Inactivation of Multidrug-Resistant Bacteria	0
<b>QS05</b>	Which compounds are behind the therapeutical properties of Dragon's Blood? Purification strategies for its identification	Tiago Alves; Natércia Teixeira; Nuno Mateus; Víctor de Freitas; Paula Nabais; Maria João Melo
<b>QS06</b>	In vitro evaluation of new aminosquaraine dyes as potential photodynamic therapy photosensitizers for prostate cancer	L. V. Reis, E. Lima, C. Costa, J. R. Fernandes, R. E. Boto, P. Almeida, A. O. Santos, S. M. Silvestre
<b>QS07</b>	Deciphering the Mechanisms Behind LUZ51 Cellular Internalization and Release	Mafalda Penetra, Luís G. Arnaut, Lúcia C. Gomes-da-Silva
<b>QS08</b>	Using multi-component reactions to synthesize structurally diverse novel antitubercular agents	D. Nunes, M. J. Perry, F. Lopes.
<b>QS09</b>	Enhancing Anticancer Activity in Osteosarcoma: Buchwald-Hartwig Amination of Flavonoids Directed by Biological Activity	Isabela Santos, Hélio M.T. Albuquerque, Artur M. S. Silva, Eduarda Fernandes and José Miguel P. Ferreira de Oliveira
<b>QS10</b>	Avaliação química do óleo essencial de <i>Foeniculum vulgare</i> para aplicação em aromaterapia	Beatriz Pires Félix; Olívia R. Pereira; Maria João Sousa
<b>QS11</b>	Aromaterapia na redução da ansiedade, aumento da qualidade de sono e promoção do bem-estar	Beatriz Pires Félix; Olívia R. Pereira; Maria João Sousa
<b>QS12</b>	Synthesis and Pharmacological Characterization of Diversely Substituted Pyrazoles as Cannabinoid Receptor 1 Ligands	Catarina M. Correia, Rebeca Diez-Alarcia, Artur M. S. Silva, Luis F. Callado, Vera L. M. Silva
<b>QS13</b>	Development of Diarylpyridines and Styrylisoxazoles: Novel Cholinesterase Inhibitors Targeting Neurological Diseases	Lara Almeida, Ricardo F. Mendes, Filipe A. Almeida Paz, Artur M. S. Silva, Diana C. G. A. Pinto and Vera L. M. Silva
<b>QS14</b>	Targeting HER2-Overexpressing Cancer Cells with Milk Extracellular Vesicles in Just a Click	
<b>QS15</b>	Synthesis and Biological Evaluation of Novel Glypromate Conjugates with Application in Neurodegenerative Diseases	Hugo F. Costa-Almeida, Sara C. Silva-Reis, Xavier C. Correia, Beatriz L. Pires-Lima, Vera M. Costa, Daniela C. da Silva, David M. Pereira, Xerardo García-Mera, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
<b>QS16</b>	New antimicrobial peptides derived from longibramide E: Synthesis and antibacterial activity	M. Ferreira, R. B. Pereira, A. Gomes, M. J. Araújo, P. Gameiro, P. Gomes
<b>QS17</b>	Development of a library of flavonoid-based derivatives as P-gp modulators on resistant cancer cells	F. Barbosa, N. Szemerédi, N. Bózsity, I. Zupkó, G. Spengler, M.J.U. Ferreira
<b>QS18</b>	Heteroaromatic Scaffolds as Proline Surrogates in Melanostatin Neuropeptide for Application in Parkinson's Disease	Beatriz L. Pires-Lima, Xavier C. Correia, Hugo F. Costa-Almeida, Xerardo García-Mera, José Brea, María Isabel Loza, José E. Rodríguez-Borges, and Ivo E. Sampaio-Dias.
<b>QS19</b>	The impact of metal on the antimicrobial Photodynamic Efficiency of Metalloporphyrins with Triphenylphosphonium Units: A Comparative Study	Filipe M. P. Morais, Inês Chaves, Cátia Vieira, Maria Bartolomeu, Ana T. P. C. Gomes, M. Amparo F. Faustino, M. Graça P. M. S. Neves, Adelaide Almeida, Carlos Lodeiro, Nuno M. M. M. Moura
<b>QS20</b>	In vivo activity of peptide-ionic liquid conjugates against diabetic wounds	0
<b>QS21</b>	Stalling tumour cell growth with porphyrin-triphenylphosphonium conjugates	Catarina IV Ramos, Diana Salvador, Helena Oliveira, Nicholas Paradis, Nuno MM Moura

- QS22** Targeting G-quadruplexes with new acridone derivatives - an anticancer approach Tiago J. S. Marques, Diana Salvador, Helena Oliveira, Vera L. M. Silva, Catarina I. V. Ramos
- QS23** Caracterização química e propriedades antioxidantes das folhas de *S. oleraceus* cultivadas com diferentes soluções nutritivas Beatriz H. Paschoalinotto 1, Antonios Chrysagyris 2, Nikolaos Tzortzakis 2, Lillian Barros 1, Maria Inês Dias 1\*
- QS24** Impact of Solvents in Modulating Phytochemical Composition and Antioxidant Activity of Cannabis sativa Inflorescence Extracts Rita Silva-Reis, Joana L. C. Sousa, Artur M. S. Silva, Paula A. Oliveira and Susana M. Cardoso
- QS25** Exploring Alkylaminophenols for Anti-Inflammatory Activity via COX-2 Inhibition João A. Pacheco, Nuno R. Candeias, David M. Pereira
- QS26** Antioxidant and Neuroprotective Potential of Extracts from the Invasive Macroalga *Undaria pinnatifida* on the Coast of Portugal: A Comparative Study Using Sustainable Extraction Techniques Helena Machado, Clara Grosso, Sónia Figueiredo, Cristina Soares
- QS27** Nanoconstructed MMP9-targeted probes for therapy and medical imaging of airway inflammation in COPD Cátia D. F. Martins, M. Manuela M. Raposo, Juan Gallo, Susana P. G. Costa
- QS28** C-Glycosylquinolones: Synthesis and Assessment of Anticancer Properties Pedro M. O. Gomes, Romeu A. Videira, Lucie Militão, Raquel G. Soengas, Artur M. S. Silva, Paula B. Andrade and Vera L. M. Silva
- QS29** Molecular docking studies on agonist binding to somatostatin subtype-4 receptor J. Soares, C. Santos, A. Dias, T. Rodrigues, C. Afonso
- QS30** Síntesis y estudio biológico de nuevos derivados de ácidos resínicos procedentes de biomasa como agentes antitumorales y antivirales William E. Mendoza-Hernández, Stéphanie Philippot, Mihayl Varbanov, Aday González-Bakker, José M. Padrón, Miguel A. González-Cardenete

### Poster

- QS31** Novel avenues into adipogenesis inhibition: optimization and validation of an in vitro methodology to study the role of flavonoids in 3T3-L1 adipocyte cell line differentiation Sílvia Rocha, Félix Carvalho and Eduarda Fernandes
- QS32** Unravelling the influence of indolenine-derived squaraine dyes' alkyl chains on HSA detection M. P. Vaz, C. C. Costa and L. V. Reis
- QS33** From Ayurveda to ADHD: *Bacopa monnieri* Gummies as a Natural Therapeutic Option Nathalie Portelada, Tayse F. F da Silveira, Isabel C.F.R. Ferreira, Lillian Barros
- QS34** Downregulation of COX-2 expression in human leukocytes by 2-styrylchromones Mariana Lucas, Marisa Freitas, Daniela Ribeiro, Artur M.S. Silva, Eduarda Fernandes
- QS35** Caracterización físico química das mesturas de viño, caolín e auga do Balneario de Lias N. Legido<sup>1</sup>, L. Mourelle, C.P. Gómez, J.L. Legido.
- QS36** Pyrimido[5,4-d]pyrimidines as efficient and specific anticancer agents in the osteosarcoma 143B cell line José Miguel P. Ferreira de Oliveira, Isabela Santos, Sofia Teixeira, M. Alice Carvalho, and Eduarda Fernandes
- QS37** Produção de Pontos de Carbono Fluorescentes com Potencial Antioxidante a partir dos Ouriços da Castanha Alexandra I. Costa, Maria R. Ludovino, Patrícia D. Barata, Magda C. Semedo, Sónia Martins
- QS38** Aplicação de Pontos de Carbono derivados de Biomassa de Microalgas cultivadas em Resíduos Alimentares como Sondas Fluorescentes em Imagiologia Mariana G. Conduto, Patrícia D. Barata, Alexandra I. Costa, Magda C. Semedo, Sónia Martins, Helena Cardoso, Maria L. Lobo, Fernando M. H. Cardoso, José V. Prata

<b>QS39</b>	Biophysical characterization of a dual-action peptide for wound healing	P. Gameiro, J. Maciel, M. Ferreira, A. Gomes, A. Plácido, C. Nunes, S. Reis and P. Gomes
<b>QS40</b>	Highly fluorescent 2-amino-6-cyanopurines as new bioimaging tools for studying yeast vacuoles	João N. D. Gonçalves; Jorge M. Gonçalves; Lígia R. Rodrigues; Paulo J. G. Coutinho; Paulo Correia-de-Sá; Elisabete M. S. Castanheira; Rui Oliveira; Alice M. Dias
<b>QS41</b>	Composição e Bioatividade de Algas Nori, Wakame e Kombu Comercializadas em Portugal	A. R. Marçalo, M. C. Semedo, S. Martins, P. D. Barata, A. I. Costa, F. M. H. Cardoso, F. H. Reboredo
<b>QS42</b>	Polyurea dendrimers as inhibitors of urease activity in Helicobacter pylori	Vasco D. Bonifácio, Hélio L. Barros, Nuno Martinho
<b>QS43</b>	Photodynamic efficiency of porphyrins with attached N-Donor units incorporated into PVP-based formulations	Melani J. A. Reis, Cátia Vieira, Maria Bartolomeu, M. Amparo F. Faustino, Ana M. V. M. Pereira, Maria G. P. M. S. Neves, Adelaide Almeida, Nuno M. M. Moura
<b>QS44</b>	Development of Melanostatin Neuropeptide Conjugates for Application in Parkinson's Disease Therapy	Beatriz L. Pires-Lima, Sara C. Silva-Reis, Xavier C. Correia, Hugo F. Costa-Almeida, Xerardo García-Mera, José E. Rodríguez-Borges, and Ivo E. Sampaio-Dias.
<b>QS45</b>	Chalcone derivatives as potential antimitotic agents: synthesis and antitumor screening assays	Daniela Pereira 1,2 , Patrícia M. A. Silva 3 , Henrique Assunção 1 , Hassan Bousbaa 4 , Honorina Cidade 1,2,3
<b>QS46</b>	Development of Chondroitin Sulfate-loaded Chitosan/Hydroxyapatite Scaffolds Targeting Bone Regeneration	Júlia Pissaia, Tatiana B. Schreiner, Yaidelin Manrique, Elisângela Düsman, Maria Filomena Barreiro, Arantzazu Santamaria-Echart
<b>QS47</b>	"Synthesis of chalcone-kojic acid hybrids with potential skin health promoting effects"	Ana R. Gaspar, Daniela Pereira, Joana B. Gonçalves, Sara Cravo, Marta Correia da Silva, Honorina Cidade
<b>QS48</b>	Challenging invasive fungal infections: Development of innovative electrochemical nanogenosensors to detect Candida spp.	Michelle Castanheira, Stephanie L. Morais, Isabel Seguro, Marlene Santos, Luís Lima, João Pacheco, M. Fátima Barroso
<b>QS49</b>	Discovery of Hybrid Glypromate Conjugates with Neuroprotective Activity Against Paraquat-Induced Toxicity	Xavier C. Correia, Sara C. Silva-Reis, Hugo F. Costa-Almeida, Beatriz L. Pires-Lima, Vera M. Costa, Xerardo García-Mera, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
<b>QS50</b>	Discovery of Hybrid Glypromate Conjugates with Improved Activity Against Protein Aggregation Induced by A $\beta$ 25-35 in Neuronal Cells	Xavier C. Correia, Sara C. Silva-Reis, Hugo F. Costa-Almeida, Beatriz L. Pires-Lima, Daniela Correia da Silva, David M. Pereira, Xerardo García-Mera, José E. Rodríguez-Borges, Ivo E. Sampaio-Dias
<b>QS51</b>	Composición de ácidos grasos y potencial antioxidante del aceite de andiroba	Paulo Paz Neto, Matilde Rodrigues, Carla Pereira, Amílcar Teixeira, Maria Inês Dias
<b>QS52</b>	Avaliação de biomarcadores de dano renal em bombeiros com participação ativa num fogo controlado urbano	0

## Química Teórica

### Oral

- QT01** A computational strategy for the design of targeted nanomedicines in cardiovascular diseases Fábio G. Martins, Hélder A. Santos, Sérgio F. Sousa
- QT02** Líquidos porosos y el comportamiento adsorptivo selectivo de CO<sub>2</sub> y SO<sub>2</sub> mediante Dinámica Molecular. Pablo Collado, Manuel M. Piñeiro, Martín Pérez-Rodríguez
- QT03** Unraveling the cellular battle: Antimicrobial peptides and membranes disrupted by COVID-19 using Molecular Dynamics Alejandro Seco-Gonzalez, Ángel P. Guillén, Rebeca G. Fandiño
- QT04** Exploring the Membrane Binding Interactions and Reaction Pathways of Snake Venom Phospholipase A2 Toxin: A Computational Study Juliana Castro-Amorim, Alexandre V. Pinto, Maria J. Ramos, Pedro A. Fernandes
- QT05** Ensemble-weighted prediction of photophysical properties of BODIPY derivatives Filipe Teixeira, Raquel C. R. Gonçalves, Susana P. G. Costa, and M. Manuela M. Raposo
- QT06** Molecular basis of a photoswitchable histone deacetylase inhibitor: N-(2-Aminophenyl)-3-(4-((methoxyphenyl)diazanyl)phenyl)propanamide. Esther Lago Sampedro, Jose M. Hermida-Ramón

#### Poster

- QT07** A machine learning-based approach to understand dynamic topological changes of the charge density Filipe Teixeira
- QT08** Hansen solubility parameters of ionic liquids from inverse gas chromatography data Gracielly Y. T. Watanabe, Mónia A. R. Martins, Rafael O. Defendi, Olga Ferreira, Simão P. Pinho
- QT09** The challenges of Claisen-Schmidt condensation with polyhydroxylated substrates. Rui Pereira 1, \*, Mariela M. Nolasco 2, Vera L. M. Silva 3, Eduarda Fernandes 1

#### Seguridad Química

##### Oral

- SQ01** Exploring the effects of parabens on neutrophil activation: a study of oxidative burst in hyperglycemic conditions A. Ramalho, F. Carvalho, E. Fernandes, M. Freitas

##### Poster

- SQ02** EVALUACIÓN DE LA EXPOSICIÓN A AGENTES QUÍMICOS B. Sánchez-Fernández, M.C. Fernández-Feal
- SQ03** ControlQ\_LABCOMB: EVALUACIÓN DE LA EXPOSICIÓN AL RUIDO