

# 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	INSCRIPCIÓN Y RECEPCIÓN				
	11:30- 12:00	SESIÓN DE APERTURA. Aula Magna				
	12:00-13:00	CONFERENCIA PLENARIA de APERTURA. Aula Magna				
	13:00		QS01	AMB01	ALM01	CAT01
	13:15		QS02	AMB02	ALM02	CAT02
	13:30		QS03	AMB03	ALM03	CAT03
	13:45		QS04	AMB04	ALM04	CAT04
	14:00-16:00	COMIDA				
	16:00		QS05	AMB05	ALM05	CAT05
	16:15		QS10	AMB06	ALM06	CAT06
	16:30		QS07	AMB07	ALM07	QO01
	16:45		QS08	AMB08	ALM08	QO02
	17:00		QS09	AMB09	ALM09	QO03
	17:15		QS06	AMB10	ALM10	QO04
	17:30-18:00	COFFE BREAK - POSTERS				
	18:00-18:45	CP1				
	18:45		QS11	AMB11	ALM11	QO05
	19:00		QS12	AMB12	ALM12	QO06
	19:15		QS13	AMB13	ALM13	QO07
	19:30		QS14	AMB14	ALM18	QO08

DÍA	HORA	SALAS				
		PLENARIAS	A	B	C	D
		SALA A				
14	10:00		QS26	AMB15	ALM15	CAT07
	10:15		QS16	AMB16	ALM16	CAT08
	10:30		QS17	AMB17	ALM17	CAT09
	10:45		QS27	AMB18	ALM14	CAT10
	11:00-11:45	CP2				
	11:45-12:15	COFFE BREAK - POSTERS				
	12:15		QS19	AMB19	ALM19	CAT11
	12:30		QS20	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		QS15	AMB26	QF01	QT04
	16:15		QS18	AMB27	QF02	QT05
	16:30		QS28	AMB28	QF03	QT06
	16:45		QS29	AMB29	NN19	BB02
	17:00-17:45	CP3				
	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				
	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
- ALM02** Fermented fruit juices: exploring the benefits of the ancient technique for today's juice production
- ALM03** A milky way towards novel antioxidant nutraceuticals
- ALM04** Estudo do impacto da interacción molecular dos polifenóis do millo corvo e fariñas de trigo autóctonas galegas na bioaccesibilidade do glute
- ALM05** Avaliação da Atividade Antioxidante de Extratos de Borra de Café: Comparação de Métodos de Extração para Aplicação Cosmética
- ALM06** Is the Natural Fermentation of Olive Pomace Feasible for Food Purposes? A Detailed Chemical and Microbiological Characterization
- ALM07** Chemical characterization of Lycium barbarum L. and Lycium chinense Mill. berries and development of high-value goji sorbets

- ALM08** Impacto do intercropping e do sistema de irrigação nos parâmetros físico-químicos e nutricionais de *Prunus dulcis* no nordeste de Portugal
- ALM09** Caracterização Bioquímica de Excedentes da Produção de *Brassica* spp.
- ALM10** *Rhus* spp.: Estudo da caracterização nutricional, química e bioativa
- ALM11** Extrato otimizado de *Tradescantia zebrina* L.: um corante alimentar alternativo e os seus efeitos na dieta de *Drosophila melanogaster*
- ALM12** Impacto do extrato corante de *Clitoria ternatea* L. na progressão da doença de Parkinson
- ALM13** Application of an oral cell-based assay to study the astringency of *Clitoria ternatea* L. tea
- ALM14** Cyclodextrin-assisted extraction of phlorotannins from *Fucus vesiculosus*
- ALM15** Molecular insights into the modulation of black tea polyphenol interactions with oral components by orange peel pectic polysaccharides
- ALM16** Characterization and Valorization of *Pinus pinea* Nut Shell Extracts for Sustainable Crop Production
- ALM17** Valorização de Resíduos de Cogumelos Comestíveis na Produção de massa penne: Fermentação e Melhoria Nutricional
- ALM18** Nutritional and Antioxidant Potential of Dried Coffee Pulp from Azores: A Sustainable Approach to Valorising Coffee By-Products
- ALM19** Promoção de estratégias sustentáveis no setor agroalimentar: valorização de subprodutos vegetais
- ALM20** Biofortificación de microvegetales de guisante mediante priming de semillas con selenio
- ALM21** Otimização da extração assistida por ultrassons de compostos hypocholesterolémicos a partir de resíduos de cogumelos comerciais

### Poster

- ALM22** Vertical farming of micro- and baby greens: Influence on organic acid, free sugar, betalain, and phenolic compound contents
- ALM23** Comprehensive Analysis of Emerging and Persistent Contaminants in Widely Consumed Fish Species from the Portuguese Coast
- ALM24** Aromatic changes in Albariño wine processed by High Pressure Processing (HPP)
- ALM25** Comprehensive Profiling of Phenolic Compounds in Olive Pomace using HPLC-DAD-MS-ESI+
- ALM26** Evaluation of *Bacillus cereus* growth in different nutritional food matrices containing a biosurfactant extract from corn steep liquor produced at pilot scale
- ALM27** Amêndoas consorciadas com outras culturas cultivadas em Selca (Croácia): estudo das propriedades nutricionais e bioatividades
- ALM28** Unveiling the Geographical Influence on Honey's Physicochemical Profile: A Case Study from Montesinho Natural Park
- ALM29** Valorização de compostos bioativos em excedentes da produção de *Lactuca sativa* L.
- ALM30** Development of hydroelectrolytic beverages using subcritical water extract from kiwano (*Cucumis Metuliferus*) peel
- ALM31** Estudo da aplicação do extrato de curcuma como ingrediente corante natural em queijadas de laranja

- ALM32** Optimization of fish by-products hydrolysis process using bromelain: a comparative study with alcalase
- ALM33** Mineral composition of Azorean coffee pulp
- ALM34** Advancing Clean-Label Meat Products: Enhancing Texture and Color with Plant-Based Bioactive Ingredients
- ALM35** Metal-adsorbed polysaccharides: synthesis and structural characterization
- ALM36** Economia circular na indústria alimentar: aproveitamento e valorização do subproduto de carambola
- ALM37** Color stability of a natural cyanidin-3,5-diglucoside and its derivative methylpyranocyanidin as potential food additives
- ALM38** Mejoramiento de la calidad nutricional y de la tolerancia al estrés de microvegetales mediante el uso de bioestimulantes naturales
- ALM39** Obtenção de estatinas e ergosterol de bio-resíduos de *Agaricus bisporus*: extração convencional vs emergente
- ALM40** *Opuntia ficus-indica* (L.) Miller cladodes: a mineral-focused strategy for sustainable flour production
- ALM41** A comprehensive analysis of the protein fraction within the cladodes of *Opuntia ficus-indica* (L.) Miller
- ALM42** Biofortification of Swiss chard microgreens with selenium under indoor vertical farming

### **Química Ambiental y Sostenible**

#### **Oral**

- AMB01** Estudio en el aula de un Plan de Sostenibilidad Ambiental
- AMB02** Exploring living and non-living macroalgae based biosorbents in interaction with complex multi-element mixtures
- AMB03** Adsorption of nitrophenolic compounds on porous photopolymer-derived carbons
- 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
- AMB05** Application of magnetic Nanoparticles for the removal of Microplastics from aquatic systems
- AMB06** Advanced Functional Materials for Water Pollutants Adsorption
- AMB07** Estudio del Análisis de Ciclo de Vida
- AMB08** Green processes to valorize Paulownia wood based on deep eutectic solvent (DES)
- AMB09** Macroalgae for a circular economy: Recovering critical elements from acid mine drainage
- AMB10** Selective Copper Removal from Multi-Element Solutions with Thiourea Formaldehyde-Graphene Oxide Composite
- AMB11** Cork Boiling Wastewater: a promising sustainable water source for cosmetic application
- AMB12** Synthesis and evaluation of a pine cone-derived adsorbent for remediation of recalcitrant pollutants in water
- AMB13** Remoção de fluoxetina de efluentes aquosos usando adsorventes à base de casca de noz
- AMB14** A Sustainable Approach to Cellulose Extraction from Wood Waste

- 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
- AMB16** Uso de Óleos Essenciais como Conservantes Naturais em Cosméticos: Desafios e Eficácia no Controlo Microbiano
- AMB17** Estrogen Removal through Adsorption by Carbon Materials Prepared from Biomass Wastes: A Review
- AMB18** Recyclable 3D Spongin Scaffold for Enhanced Recovery of Rare Earth Elements from Aqueous Waste Streams
- AMB19** Remoção de cloridrato de sertralina com carvão ativado produzido a partir de casca de noz ativada com ZnCl<sub>2</sub>
- AMB20** Purificação a seco do biodiesel etanólico através de adsorção utilizando materiais à base de casca de amêndoa
- AMB21** Remoção de Metformina de Matrizes Aquosas por meio de Adsorventes à base de Cortiça
- AMB22** Neodymium extraction and recycling from magnet leachates using magnetic nanoparticles
- AMB23** Development of an extraction method for the multiresidue analysis of 40+ pharmaceuticals in biota (mussels and red mullets) using QuEChERS-LC-MS/MS
- AMB24** Polystyrene recycling with green solvents using a dissolution-precipitation method
- AMB25** Affection of Galician beaches by microplastic pellets after the spillage from the Toconao ship
- AMB26** Recovery of all the raw materials from the waste light-emitting diodes
- AMB27** Extração Eficiente de Compostos Fenólicos: Aplicação de Métodos Assistidos por Calor e Ultrassons em Partes Aéreas de *Crithmum maritimum* L. e *Scolymus hispanicus* L.
- AMB28** Optimized Ultrasound-Assisted Extraction of Bioactive Compounds from Raspberry and Blueberry Pruning Residues for Sustainable Cosmetic Applications
- AMB29** Integrated Circuits: proposal of a closed recycling method for the recovery of gold
- AMB30** Optical Setups for Monitoring Nitrates, Carbon Dioxide and Turbidity in Macroalgae Production Tanks
- AMB31** Breakthrough Curve of Activated Carbon and Geopolymer for the Adsorption of Sulfamethoxazole, Acetaminophen, and Gallic Acid
- AMB32** Synthesis and Characterization of Activated Carbon, Geopolymers and Carbon Nanotubes from Waste-Derived Sources
- AMB33** Microplásticos en Sistemas Estuarinos: Interacciones con Mejillones e Implicaciones Ambientales
- AMB34** Exploring Lignin Valorization as a Sustainable Modulating Agent: Impact on the Physicochemical Properties of Port Wine
- AMB35** Production and characterization of different green adsorbents for the removal of free glycerine in the biodiesel purification process
- AMB36** Development of a multi-phosphor system from *Chlorella pyrenoidosa* for luminescent solar concentrators
- AMB37** Valorización de *Salmo trutta*: Caracterización nutricional, fitoquímica y antioxidante para el desarrollo de productos sostenibles
- AMB38** Materiales carbonosos a partir de materiales lignocelulósicos para baterías ion litio

**AMB39** Synthesis of choline-amino acid ionic liquids and application to the extraction of biomolecules and pharmaceuticals

### Poster

**AMB40** Impact of Damming on Fluvial Nutrients and Trace Element Fluxes to the Ria of Ares-Betanzos (NW Iberian Peninsula)

**AMB41** La madera de Robinia pseudoacacia como fuente de compuestos de valor añadido: empleo de microondas como método de extracción sostenible

**AMB42** Versatilidad del Fe-MOF en diversos procesos de oxidación avanzada para la descontaminación y desinfección de aguas

**AMB43** Sustainable Synthesis of Gold Nanoparticles from *Osmunda pinnatifida*: A Green Approach for Antioxidant and Antitumoral Applications

**AMB44** Dual Photocatalytic and Antibacterial Performance of Green-Synthesized Ag-TiO<sub>2</sub> Nanocomposites for Water Treatment

**AMB45** O futuro sostenible dos cosméticos con lúpulo

**AMB46** Assessing the Ecotoxicity Effects of Magnetic Nanoparticles applied for Microplastic Removal

**AMB47** Water supply physico-chemical parameters in a Guinea-Bissau population district measured through the Water Quality Index (WQI)

**AMB48** Sustainable food packaging solutions: Bioactive bacterial nanocellulose films loaded with Paulownia wood extract

**AMB49** Valorization of *Himantalia elongata* seaweed for the recovery of bioactive compounds by green processes

**AMB50** Estructuras metal-orgánicas de Fe-Cu como catalizadores para la degradación de pesticidas mediante procesos de oxidación avanzada

**AMB51** Evaluation and optimization of a multielectrode system for the treatment of effluents with high organic matter content

**AMB52** Sustainable Synthesis of High Purity Biosilica from Rice Husk: Overcoming the Limitations of Mineral Acid Leaching

**AMB53** Removal of Zn(II), Cu(II) and Pb(II) from rainwater: white bean peel sorbent

**AMB54** STUDY OF THE ADSORPTION CAPACITY OF ACTIVATED CARBON DERIVED FROM KRAFT LIGNIN TOWARDS SULFAMETHOXAZOLE

**AMB55** Fixed-bed column adsorption studies for the removal of antibiotics from water using regenerable biochar obtained from brewery wastes

**AMB56** Enhancing nanocelluloses modified with succinic anhydride for efficient removal of heavy metals in aqueous medium

**AMB57** Evaluating the Cytotoxicity and Environmental Impact of Nanoparticles: Insights from Microtox® Bioassays

**AMB58** *Sustainable extraction techniques for bioactive compounds from marine biomass*

**AMB59** Multiresidue analysis of 7 therapeutic classes of pharmaceuticals in sediments by US-SPE-LC-MS/MS

**AMB60** Valorization of cork industry residues and its application for wastewater treatment

**AMB61** Study of the adsorption of triazinic herbicides on microplastics

- AMB62** Adsorption behavior and mechanisms of terbutryn in polyethylene microplastics in marine environment
- AMB63** Potencial bioactivo de extractos ricos en compuestos fenólicos de Arnica montana L. obtenidos mediante métodos verdes optimizados
- AMB64** Identificación de microplásticos mediante técnicas de aprendizaje automático multimodelo
- AMB65** Evaluación de tres técnicas de flotación para la separación eficiente de microplásticos en sedimentos
- AMB66** Metal(oid)s oral and inhalation bioavailability estimation in recycled tire rubber and related materials
- AMB67** Oxidative stress associated with recycled tire samples and related materials through an in-vitro assay
- AMB68** A first inventory of plastic litter at the coastline of Bay of Asunción and associated total metal contents
- AMB69** Evaluation of Carbon and Nitrogen content of residual biomass from corn steep liquor after biosurfactant and gramicidin extraction for nutritional fermentation media
- AMB70** Preliminary stability of cell-bound biosurfactant extract produced in corn steep liquor
- AMB71** Mechanical performance of fly ash-based geopolymer concrete as a sustainable alternative to ordinary Portland cement Sustainable Chemistry
- AMB72** Novel Biodegradable Depigmenting Agents: Safe and Sustainable by Design to Address Environmental Concerns in Cosmetic Formulations
- AMB73** Energy and Sustainability: Shaping Our Energy Future
- AMB74** Detection and quantification of carbamazepine in water matrices using a simple MIP-based electrochemical sensor
- AMB75** A Sustainable Strategy in Peptide Synthesis for the Preparation of cis-4-Hydroxy-L-Prolyl Amides
- AMB76** Protic Organic Salts as additives in Vanadium Redox Flow Batteries
- AMB77** The Impact of Grid-Connected Battery Storage Systems on Electrical Grid Variables
- AMB78** Quality of biofertilizer produced in home composting
- AMB79** Rugulopteryx okamurae's Surprising Potential for Metal Nanoparticles Synthesis
- AMB80** Ulvan-Functionalized Gold Nanoparticles: Advancing Green Nanotechnology from Algae
- AMB81** INNOAQUA: Innovative Approaches for an Integrated use of Algae in Sustainable Aquaculture Practices and High-Value Food Applications
- AMB82** Advancing Sustainability with Lithium-Ion Batteries: Economic and Environmental Impacts in Residential Energy Systems
- AMB83** Perspectivas Futuras y Desafíos en la Transformación Energética Global
- AMB84** The Impact of Battery Size and Depth of Discharge in Battery's Sustainable Use and Carbon Emission: Energy Management According to Spanish Electricity Tariff

## **Bioquímica y Biotecnología**

### **Oral**

- BB01** Biosensing platforms for exosome detection in liquid biopsies. Applications in cancer diagnostics



- BB02** Características de la superficie celular asociadas a la virulencia de mutantes de *Mycobacterium tuberculosis* defectivos en los transportadores de membrana CtpF y MmpL7
- BB03** ChemSensing – A biosensor to detect human sensitizers
- BB04** Application of adjuvant factors in differentiated intestinal epithelial cell systems: assessment of gluten-induced perturbation in cells' homeostatic and inflammatory states
- BB05** Severity scale of post-COVID condition using advanced spectroscopy
- BB06** Evaluation of the Cytotoxicity Profile of Prebiotic Biosurfactants Produced by Lactic Acid Bacteria for Dermal Applications
- BB07** Extraction of hydrophilic cell bound surface active compounds from biomass contained in olive residual sludge
- BB08** Engineered Defensosomes: Quantifying and improving the cytoprotective efficiency of extracellular vesicles (EVs) against *Staphylococcus aureus* Alpha Hemolysin (Hl $\alpha$ )
- BB09** Development of a nanoplatfom for a vaccine against toxoplasmosis
- BB10** Integrated glucose oxidase biocatalyst and Fenton-based system for cancer therapy

### Poster

- BB11** Herramientas moleculares para la detección de *Mycobacterium bovis*, genes de resistencia antibiótica y la microbiota de leche y queso de bovinos de la región de Sumapaz, Colombia
- BB12** Efecto de Análogos de Brasinoesteroides (BRs) del tipo 24-norcolanos para la inducción de callo de *Aristolelia chilensis* (Mol.) Stuntz y ultraestructura del callo productor de antocianinas.
- BB13** Extracción de xilano  $\beta$ -1,3 a partir de algas marinas
- BB14** Antimicrobial Activity Evaluation of the Biosurfactant Extract Obtained by Membrane Technology Against Different Pathogenic Bacterial Strains
- BB15** Improving Hybrid Carrageenan Gel Properties and Extraction Efficiency from *Mastocarpus stellatus* and *Chondrus crispus* with Subcritical Water
- BB16** Tratamiento hidrotérmico da macroalga invasora *Sargassum muticum* para a produção de oligosacáridos, bioetanol e ácido succínico
- BB17** Antimicrobial Susceptibility Pattern of Fecal Bacteria isolates from Wastewater: Impact of WWTP Effluents Biochemistry and Biotechnology
- BB18** Isolamento e estabelecimento de condições de crescimento do fungo *Terana caerulea* para potencial produção de pigmentos
- BB19** Aislamiento e inoculación de especies de *Trametes versicolor* del Parque Natural de Montesinho
- BB20** In Vitro Cell Models for Assessing Ingestion Exposure in Firefighters: New Insights into Occupational Risk
- BB21** Impact of Subcritical Water Extraction on the polysaccharide characteristics of hybrid carrageenans from *Mastocarpus stellatus* and *Chondrus crispus*
- BB22** Study of the Cosmeceutical Properties of the Plant *Anacyclus monanthos* subsp. *cyrtolepidioides*

## Catálisis y Fotocatálisis

### Oral

- CAT01** Iron-based metal organic framework as a suitable catalyst in photo-PMS activation for venlafaxine degradation
- CAT02**  $\beta$ -Ketoenamine linked Covalent Organic Frameworks as photocatalyst for direct sulfonation of anilines
- CAT03** Modificaciones y optimización del nitruro de carbono grafítico y sus técnicas de inmovilización para la eliminación de contaminantes coloreados en agua
- CAT04** High-performance Fe-modified black tea biochar as electrocatalyst for water splitting applications
- CAT05** Implementation of novel Zn-MIL53(Fe) catalyst in Advanced Oxidation Processes to degrade pharmaceuticals in wastewater
- CAT06** Empleo de materiales organometalo-silíceos de iridio (III) en procesos fotocatalíticos de transferencia electrónica
- CAT07** Molybdenum oxide hybrid catalysts with bipyridine ligands as heterogeneous and RISS catalysts in olefin epoxidation
- CAT08** Síntesis de organometalo-titanias híbridas y su aplicación en la fotodegradación de colorantes con luz visible
- CAT09** Electrospun Fe-MOF nanofiber membranes: Synthesis and catalytic application in the Electro-Fenton process
- CAT10** Earth-abundant carbon-based catalysts for visible light-driven H<sub>2</sub> evolution from water
- CAT11** Hybrid nanomaterials based on semiconductor–metal sulfides/oxides; synergetic promotion of photocatalytic activity
- CAT12** Heteropoly acids @PVA membranes for glycerol acetalization
- CAT13** Effective Porous Metal-organic Frameworks catalysts for ring-opening reaction
- CAT14** Microwave-assisted ethyl levulinate production using as catalyst rice husk biobased materials
- CAT15** Evaluating the Impact of Thermal Treatment on the Catalytic Efficiency of Carbon Nanotubes as Catalytic Support in Fischer-Tropsch Synthesis

### Poster

- CAT16** Surface response methodology to optimise orange peel biochar synthesis for water splitting applications
- CAT17** Nitruros de carbono grafíticos modificados como fotocatalizadores verdes para la eliminación de contaminantes emergentes
- CAT18** Green synthesis of ZnO NPs for rapid and efficient photocatalytic degradation of methylene blue in UV and visible light.
- CAT19** Synthesis of Zn and Fe nanocomposites obtained by pyrolysis of ternary deep eutectic solvents for catalytic water treatment applications
- CAT20** Copper effect in catalytic performance of transition metal-doped ferrites involved in the synthesis of tacrine derivatives
- CAT21** Nitrogen catalytic sites on carbon surface able to promote the Friedländer reaction: DFT calculations
- CAT22** Stable and cost-effective catalysts for the degradation of dyes in water

- CAT23** Removal of a micropollutant model using novel three-electrode cells with advanced oxidation treatments
- CAT24** *Eco-Friendly Catalysts Derived from Biowaste for Efficient Hydrogen Production*
- CAT25** 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
- CAT26** Immobilised Cs<sub>3</sub>Bi<sub>2</sub>Br<sub>9</sub> Perovskites for Photocatalytic Imines Synthesis

## Enseñanza de la Química

### Oral

- EDU01** "El uso de los gráficos en la enseñanza de la química"
- EDU02** Reacciones microquímicas: Un interesante recurso para el ahorro de reactivos y residuos.
- EDU03** 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
- EDU04** De las chicas del Radio al enemigo invisible: aprendizaje experimental de la radiactividad en el aula de ciencias experimentales

### Poster

- EDU05** Cinética de las reacciones químicas
- EDU06** Práctica virtual de Laboratorio de Química: Determinación del calor específico del plomo
- EDU07** Caso Práctico: uso de herramientas Jupyter Notebooks para la resolución de problemas de gases reales
- EDU08** Caso Práctico: uso de herramientas Jupyter Notebooks para la resolución de problemas de cinética

## Química Industrial e Ingeniería Química

### Oral

- IND01** Producción de ácido biosuccínico mediante estratexias fermentativas a partir de peles de pataca: optimización do proceso
- IND02** Synthesis of novel Carboxymethyl Cellulose-Coated Metal-Organic Framework and its use in heterogeneous Electro-Fenton
- IND03** Extraction of Hydroxyapatite at Moderate Temperature Using Ionic Liquids
- IND04** Rheological measurement of corn starch gel hydrolysis rate at different  $\alpha$ -amylase concentrations
- IND05** PEG/Sodium Citrate Aqueous Two-Phase Systems: Phase Diagrams
- IND06** Fish Protein recovery using Aqueous Two-Phase Extraction
- IND07** Optimisation of pectin extraction from inner lime peel using succinic acid aqueous solutions
- IND08** A comparative study of leather dyeing with different colourants: synthetic versus natural mordant
- IND09** Leather natural dyeing with Mulberry (*Morus alba*) leaf extract: a comparative study with different natural mordants
- IND10** Enhanced Gelatine Extraction from Tuna Skin Using a Non-Dissolution Ionic Liquid Pretreatment

- IND11** Enhancing Grid Stability and Sustainability Through Battery Storage Systems Integration with Renewable Energy Sources
- IND12** Engineering of Chemically Resilient FTO Current Collectors for Stable and Efficient Upscaled Photovoltaics and Photoelectrochemical Devices for Water Splitting
- IND13** Phosphomolybdic acid as a high-capacity electrolyte in aqueous redox flow cell

### **Poster**

- IND14** Autothermal pyrolysis of a photopolymer demonstrated by TGA-DSC and simulated by ASPEN Plus software
- IND15** Analysis of gorse flower extracts obtained by ultrasound assisted technology: determination of phenolic compounds and antioxidant activities
- IND16** A biorefinery approach for the manufacture and characterization of oligosaccharides and antioxidants from gorse
- IND17** Obtención de 5-HMF a partir de bagazo de maíz usando disolventes verdes asistidos con microondas
- IND18** Physical Properties of Cholinium L-Lysinate and its Mixtures with Different Solvents
- IND19** Neutralization of Bauxite Waste (Red Mud) through CO<sub>2</sub> Absorption
- IND20** Evaluation of the effectiveness of impregnated activated carbon in monoethanolamine or diethanolamine for CO<sub>2</sub> capture
- IND21** Strategies for the integral valorisation of wine industry waste through sustainable processes
- IND22** MICROWAVE PYROLYSIS OF KRAFT LIGNIN FOR SUSTAINABLE ACTIVATED CARBON PRODUCTION
- IND23** Impact of organic acids during pilot-scale dialysis for biosurfactant recovery
- IND24** Metals dynamics in pilot-scale dialysis for biosurfactant recovery
- IND25** Microwave hydrodiffusion and gravity as pretreatment to enhance phenolic compounds and polysaccharides extraction from terrestrial and marine biomass
- IND26** Extraction of pectin from inner orange peel with aqueous solutions of different biobased organic acids
- IND27** Sequential extraction of biosurfactants from corn steep water combining liquid-liquid extraction and dialysis process: A comparative study
- IND28** Renewable Energy Sources: Battery Storage Systems for a Sustainable Future
- IND29** Synthesis and purification of ethyl lactate (EL) using a sustainable process
- IND30** Simulated Moving Bed Reactor for 1,1-Diethoxybutane Synthesis
- IND31** Industrial By-Products for Biogas Production

### **Nanoquímica y Nanotecnología**

#### **Oral**

- NN01** Preparation, characterization and stability evaluation of self-assembled anthocyanins-loaded zein/polysaccharide nanoparticles
- NN02** Interplay Between Spin-Spin Interactions and Molecular Conductance in Boron-Doped GNRs

- NN03** Empleo de carbon dots como material sensor fluorescente para a detección de nanopartículas de titanio en agua
- NN04** Sol-Gel Coordination Chemistry for sustainable applications
- NN05** MoS<sub>2</sub>-Fe<sub>3</sub>O<sub>4</sub> nanomaterials for effective water treatment: A study on acetamiprid removal
- NN06** Energy monitoring by color change in electrochromic textile supercapacitors using PEDOT:PSS and nitrogen-doped porous carbon from glucose
- NN07** Magnetic CNT@MnFe<sub>2</sub>O<sub>4</sub>-based Thermally-Chargeable Textile Supercapacitor with Glow-in-the-Dark Properties
- NN08** Quantum-dot mediated fluorescence detection of miRNAs
- NN09** Quantum Dot-Based Nanosensors for Early Detection of Cancer Biomarkers via TR-FRET Technology
- NN10** Análise de glóbulos vermellos expostos a AgNPs mediante single-cell ICP-MS
- NN11** Breaking bAD: using chemistry, biophysics and biotechnology to unburden Atopic Dermatitis
- NN12** Biodisponibilidade de nanopartículas de Ag e TiO<sub>2</sub> en organismos mariños
- NN13** Cationic polyurea (PURE) dendrimers an Escape from antimicrobial resistance
- NN14** Development of Gold NanoProbes for detection of DNA mutations
- NN15** Science Inspired by Nature: Milk-Based Delivery Systems
- NN16** Engineered Liposomes as an efficient strategy for enhancing the treatment of Mycobacterial infections
- NN17** Nanocellulose for Applications in Strategic Sectors: Production, Modification, and Application
- NN18** Lipid Nanoparticles in Action: Powering Hyaluronic Acid Production in Skin Cells
- NN19** Engineering Efficient Energy Transfer in DNA Hybrid Systems
- NN20** Rosamine-Loaded Metal-Organic Framework: A Bright Sensor for Cu(II) Detection
- NN21** Formulation of Ethosomal Suspensions Loaded with Rubus idaeus Leaf Extract for Cosmetic Application

### **Poster**

- NN22** Digital Image Colorimetry Smartphone Determination of ZnO NPs
- NN23** Detection of CuO NPs in ethanol-water solution using a fluorescent probe
- NN24** Does quercetin protect intestinal cells from silver nanoparticle-induced pro-inflammatory effects?
- NN25** Synthesis and characterization of ZnO nanostructures using olive leaf extract for prospective application in food packaging
- NN26** Engineered bioactive casein micelles for hypertension treatment

### **Química de Polímeros**

#### **Oral**

- POL01** Proyecto REGATEX: Escalado de un proceso de reciclaje químico de residuos textiles
- POL02** Isocyanate-terminated prepolymer synthesis targeting cork composites for the footwear cluster

**POL03** Water-based Polyurethane-urea dispersions as adhesives for the footwear industry: Developing high biobased content solutions

**POL04** NIPUs a partir de lignina kraft de ENCE

### Poster

**POL05** Viscosidad intrínseca y peso molecular viscosimétrico medio de diferentes quitosanos

**POL06** Empleo de sarmientos procedentes de la poda de vid para la fabricación de pasta de papel y cartón, VINEBOX

**POL07** Gelatine-alginate hydrogels: evaluation of swelling and 3D-printability targeting wound healing applications

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

**POL09** Recent advances in biodegradable polymers for fishing gear manufacturing

### Química Analítica

#### Oral

**QA01** Portable electrochemical biosensing device for point-of-care diagnostics. Applications in communicable diseases

**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

**QA03** Identificación de sustancias orgánicas peligrosas en residuos de aparatos eléctricos y electrónicos

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

**QA05** Nanosensores Ópticos para la Detección de Iones y Compuestos Volátiles en Muestras Ambientales y Alimentarias

**QA06** Innovative strategies for trapping metals and metalloids using noble-metal nanoparticles immobilized onto cellulose substrates

**QA07** DESIGN OF PAPER-BASED ANALYTICAL DEVICES FOR CHEMICAL AND BIOCHEMICAL ASSAYS OF BIOMARKERS IN BIOLOGICAL FLUIDS OF NON-INVASIVE COLLECTION

**QA08** Análise elemental e isotópica de alta precisão de metais para o estudo da metalômica de peixes infectados por parasitos

**QA09** Cytochrome P450 Testosterone Biosensor using Modified Carbon Screen-Printed Electrodes

**QA10** Flow-based method for total protein content monitoring in by-products hydrolysates

**QA11** Utilização de diferentes dados de segunda-ordem para a determinação de tiamina explorando a reversão de um processo FRET entre Pontos Quânticos 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

**QA13** Binding studies of synthetic cannabinoids to human serum albumin by high-performance affinity chromatography

**QA14** Ensuring food safety: Electrochemical genosensors for the authentication of plant honey origin

**QA15** N-hydroxyamides' pKa determination by NMR spectroscopy

### Poster

**QA16** Isothiazolinones: Chemical and ecotoxicological screening

**QA17** End-of-life plastics from vineyards. A hot spot of pesticides in the terrestrial environment

**QA18** Estudio de la distribución de fungicidas orgánicos en el sistema uva-suelo-vino

**QA19** La huella del empleo de plaguicidas en el polietileno de uso agrícola

**QA20** Identificación y cuantificación de saponinas en muestras silvestres de Quillaja saponaria Mol. mediante HPLC-PDA

**QA21** Optimización de condiciones de separación por HPLC mediante inteligencia artificial

**QA22** Aplicación de un Diseño Central Compuesto para la optimización de separaciones mediante HPLC

**QA23** Curcumin-containing paper based analytical devices for boron determination in environmental waters

**QA24** Photochemical synthesis of carbon dots: Applications in analytical chemistry

**QA25** A paper-based analytical device for the simultaneous scanometric determination of nitrite and sulfide in environmental waters

**QA26** Rapid and eco-friendly chromatographic method for the determination of polyphenolic compounds in leaf water extracts

**QA27** SMART SAMPLING PROCEDURE FOR METAL IONS ASSESSMENT IN DYNAMIC WATER SYSTEMS

**QA28** Separación de proteínas mediante electroforesis offgel en muestras de algas expuestas a nanopartículas de plata

**QA29** Determinación de elementos críticos tecnológicos en cunchas de moluscos mediante Espectrometría de Masas con Plasma de Acoplamiento Inductivo

**QA30** CONTAMINACIÓN DE COMBUSTIBLE DIESEL

**QA31** Sonda ratiométrica compuesta por puntos cuánticos de carbono e de AgInS<sub>2</sub> para a determinação fotoluminescente e visual de ácido ibandronico

**QA32** Desenvolvimento de um processo FRET utilizando pontos quânticos de AgInS<sub>2</sub> e nanopartículas de ouro para a detecção de betabloqueadores

**QA33** Plastic antibodies as a Revolutionary Recognition Element in Electrochemical Protein Sensing

**QA34** ANÁLISE DE EXTRACIÓNS EN FASE SÓLIDA APLICADAS A CANNABINOIDES SINTÉTICOS

**QA35** Development of genosensors for pharmacogenomic targets in the neuropsychiatric diseases: A CYTED project

**QA36** Detecting neurological pharmacogenetic altering SNS CYP2D6 by electrochemical genosensors

**QA37** DETERMINACIÓN DE LA BIOACCESIBILIDAD DE METALES Y METALOIDES EN MICROPLÁSTICOS MEDIANTE ICP-MS/MS

**QA38** DETERMINACIÓN DEL PERFIL ELEMENTAL EN BIOMASA MEDIANTE ICP-MS/MS

**QA39** Voltammetric profile of psychedelic phenethylamine derivatives

## Química-Física

### Oral

- QF01** Temperature-dependent photoluminescence of trioxoazatriangulenes
- QF02** Interaction of cationic gemini surfactants with lipid membranes: a study at the air/water interface
- QF03** Risk of Dietary Supplements: DNA Alkylation by Nitrosation Products of Amino Acids

### Poster

- QF04** Kinetic Study of methionine Nitrosation Reaction. Risk of its consumption as a dietary supplement

## Química Inorgánica

### Oral

- QI01** Luminescent Europium(III) complexes supported on rice husk ash functionalized with pyridyl groups
- QI02** A dysprosium complex as a novel magneto-luminescent molecular material
- QI03** Bifunctional lanthanoid-based molecular materials: exploring opto-magnetic properties of a mononuclear Yb complex
- QI04** Lanthanoid complexes with hexagonal bipyramidal geometry acting as SMMs induced by a magnetic field
- QI05** A molybdenum(0)-tricarbonyl metal-organic framework for the storage and release of the gasotransmitter carbon monoxide
- QI06** Synthesis of a copper helicoidal architecture derived from an azine ligand
- QI07** Estabilidade da estrutura closo de ligandos bidentados neutros derivados de B<sub>3</sub>-carborano
- QI08** Obtención de complexos derivados de ligandos biscarbamato e estudo da súa descomposición hidrolítica
- QI09** Luminescent Tb<sup>3+</sup>/Eu<sup>3+</sup> complex as optical temperature sensor: design, synthesis, and thermometric properties
- QI10** Fe(III) helicates derived from bishydrazone ligands

### Poster

- QI11** Luminescent Europium(III) complexes supported on silica derived from rice waste
- QI12** Implications of the cyclometalation in the coordination of crown ethers
- QI13** Structural study of two heterodinuclear compounds bearing a cyclometalated moiety
- QI14** Use of half-lantern cyclometalated Pt(II)-Pt(II) complexes as down-converting filters: synthesis and properties.
- QI15** Study of the influence of the hydrogen bonds in the interaction of copper complexes with DNA
- 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
- QI17** Inclusion compounds of cucurbit[8]uril and η<sup>5</sup>-cyclopentadienyl molybdenum(II) tricarbonyl complexes for controlled release of CO
- QI18** Synthesis of a silver achiral mesocate architecture



- QI19** Síntese dun ligando tiosemicarbazona funcionalizado cun grupo carborano-iminofosforano
- QI20** Modificación dun ligando biscarbamato para o estudo do seu comportamento coordinativo
- QI21** Luminescent cationic cyclometalated PtII complexes with rigid diphosphines
- QI22** Transforming PET of a plastic bottle into new molecules with potential antimicrobial activity

## Química Orgánica

### Oral

- Q001** Innovadores Análogos Tipo Gemini con Fragmentos Ciclopropano: Mellora da Eficacia Antitumoral a Través da Modulación do Receptor da Vitamina D
- Q002** Improved synthesis of BODIPY dyes: Batch vs continuous flow chemistry
- Q003** Derivados do Colesterol: Unha Nova Fronteira para Dirixir os Receptores Orfos Relacionados cos Retinoides Para as Terapias Inmunitarias e Contra o Cancro
- Q004** A new porphyrin–rosamine conjugate as a potent singlet oxygen generator
- Q005** Factorial design for optimization of tetra-substituted meso-aryl porphyrin synthesis through flow chemistry
- Q006** Acidochromic free-standing multilayered chitosan-pyranoflavylum/alginate membranes towards food smart packaging applications
- Q007** Preparation of A2B2-type porphyrins through C–N bond formation as useful components in perovskite solar cells
- Q008** Click on Click: Unlocking the Potential of Click Chemistry in Drug Delivery and Small Molecule Synthesis

### Poster

- Q009** Síntesis de Nuevos Análogos de Brasinoesteroides benzoilados en C-22 con distintos sustituyentes y su potencial actividad en el crecimiento vegetal
- Q010** Preparation of Bis(silyl)peroxide
- Q011** Novel On-Site Oxidation Protocol for the N-Hydroxylation of Melanostatin Neuropeptide Using Cope Elimination
- Q012** Synthesis and Characterization of Neutral- and Cationic-Substituted Zinc(II) Phthalocyanine Dyes
- Q013** Strategies for the synthesis of key metabolites of cathinone derivatives pentedrone and methylene
- Q014** Synthesis, enantioseparation and absolute configuration of a benzyl 2-hydroxyoctanoate precursor for cyclic peptides
- Q015** Bifurcaria bifurcata macrolga parda (Phaeophyceae) productora de sustancias antimicrobianas
- Q016** Synthesis of siderophore-antifungal conjugates as an innovative strategy to tackle multidrug resistance
- Q017** Synthesis and optical properties of a new rhodamine–thiazolothiazole conjugate
- Q018** Synthesis of new acridone derivatives with G-Quadruplex DNA Stabilization Properties
- Q019** A New and Efficient Approach to the Synthesis of Red-shifted Aminoimidazole Azo Dyes with Potent Antimicrobial Activity

- Q020** New Red-shifted Aminoimidazole Azo Dyes with Halochromic Properties: Colorimetric Studies
- Q021** Synthesis of building blocks for further design of fluorescence probe for enantioselective quantification of amino acids
- Q022** Enantioseparation of Nadifloxacin by Amylose based Chiral stationary Phase
- Q023** Synthesis of cationic diketopyrrolopyrroles for biological applications
- Q024** Selective Synthesis of Novel Imidazole-based Amidrazones and Hydrazonoyl Cyanides with Anticancer Activity: A Mechanistic Study
- Q025** Efficient Microwave-Assisted Solid-Phase Peptide Synthesis of a Granzyme B Substrate on 2-Chlorotriethyl Chloride Resin
- Q026** Thienothiophene-based dyes for DSSC applications.
- Q027** A simple on-off optical chemosensor of biologically relevant ions derived from benzofuran-2-carbohydrazide

## Química y Salud

### Oral

- QS01** Surface-Active Ionic Liquids derived from Antimalarial Drugs and Natural Lipids That Display Multi-Stage Antiplasmodial Activity
- QS02** Biomonitoring of Emerging Pollutants - The Problematic of Synthetic Musks and Organophosphate Esters
- QS03** Enhancing DNA Gyrase Inhibition with Tunable Fluoroquinolone-Derived GUMBOS: A New Frontier in Antimicrobial Therapy
- QS04** Broad-Spectrum Photosensitive Materials for Photodynamic Inactivation of Multidrug-Resistant Bacteria
- QS05** Which compounds are behind the therapeutical properties of Dragon's Blood? Purification strategies for its identification
- QS06** In vitro evaluation of new aminosquaraine dyes as potential photodynamic therapy photosensitizers for prostate cancer
- QS07** Deciphering the Mechanisms Behind LUZ51 Cellular Internalization and Release
- QS08** Using multi-component reactions to synthesize structurally diverse novel antitubercular agents
- QS09** Enhancing Anticancer Activity in Osteosarcoma: Buchwald-Hartwig Amination of Flavonoids Directed by Biological Activity
- QS10** Avaliação química do óleo essencial de Foeniculum vulgare para aplicação em aromaterapia
- QS11** Aromaterapia na redução da ansiedade, aumento da qualidade de sono e promoção do bem-estar
- QS12** Synthesis and Pharmacological Characterization of Diversely Substituted Pyrazoles as Cannabinoid Receptor 1 Ligands
- QS13** Development of Diarylpyridines and Styrylisoxazoles: Novel Cholinesterase Inhibitors Targeting Neurological Diseases
- QS14** Targeting HER2-Overexpressing Cancer Cells with Milk Extracellular Vesicles in Just a Click
- QS15** Synthesis and Biological Evaluation of Novel Glypromate Conjugates with Application in Neurodegenerative Diseases

- QS16** New antimicrobial peptides derived from longibramide E: Synthesis and antibacterial activity
- QS17** Development of a library of flavonoid-based derivatives as P-gp modulators on resistant cancer cells
- QS18** Heteroaromatic Scaffolds as Proline Surrogates in Melanostatin Neuropeptide for Application in Parkinson's Disease
- QS19** The impact of metal on the antimicrobial Photodynamic Efficiency of Metalloporphyrins with Triphenylphosphonium Units: A Comparative Study
- QS20** In vivo activity of peptide-ionic liquid conjugates against diabetic wounds
- QS21** Stalling tumour cell growth with porphyrin-triphenylphosphonium conjugates
- QS22** Targeting G-quadruplexes with new acridone derivatives - an anticancer approach
- QS23** Caracterização química e propriedades antioxidantes das folhas de *S. oleraceus* cultivadas com diferentes soluções nutritivas
- QS24** Impact of Solvents in Modulating Phytochemical Composition and Antioxidant Activity of *Cannabis sativa* Inflorescence Extracts
- QS25** Exploring Alkylaminophenols for Anti-Inflammatory Activity via COX-2 Inhibition
- 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
- QS27** Nanoconstructed MMP9-targeted probes for therapy and medical imaging of airway inflammation in COPD
- QS28** C-Glycosylquinolones: Synthesis and Assessment of Anticancer Properties
- QS29** Molecular docking studies on agonist binding to somatostatin subtype-4 receptor
- QS30** Síntesis y estudio biológico de nuevos derivados de ácidos resínicos procedentes de biomasa como agentes antitumorales y antivirales

### 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
- QS32** Unravelling the influence of indolenine-derived squaraine dyes' alkyl chains on HSA detection
- QS33** From Ayurveda to ADHD: *Bacopa monnieri* Gummies as a Natural Therapeutic Option
- QS34** Downregulation of COX-2 expression in human leukocytes by 2-styrylchromones
- QS35** Caracterización físico química das mesturas de viño, caolín e auga do Balneario de Lias
- QS36** Pyrimido[5,4-d]pyrimidines as efficient and specific anticancer agents in the osteosarcoma 143B cell line
- QS37** Produção de Pontos de Carbono Fluorescentes com Potencial Antioxidante a partir dos Ouriços da Castanha
- QS38** Aplicação de Pontos de Carbono derivados de Biomassa de Microalgas cultivadas em Resíduos Alimentares como Sondas Fluorescentes em Imagiologia
- QS39** Biophysical characterization of a dual-action peptide for wound healing
- QS40** Highly fluorescent 2-amino-6-cyanopurines as new bioimaging tools for studying yeast vacuoles

- QS41** Composição e Bioatividade de Algas Nori, Wakame e Kombu Comercializadas em Portugal
- QS42** Polyurea dendrimers as inhibitors of urease activity in Helicobacter pylori
- QS43** Photodynamic efficiency of porphyrins with attached N-Donor units incorporated into PVP-based formulations
- QS44** Development of Melanostatin Neuropeptide Conjugates for Application in Parkinson's Disease Therapy
- QS45** Chalcone derivatives as potential antimitotic agents: synthesis and antitumor screening assays
- QS46** Development of Chondroitin Sulfate-loaded Chitosan/Hydroxyapatite Scaffolds Targeting Bone Regeneration
- QS47** "Synthesis of chalcone-kojic acid hybrids with potential skin health promoting effects"
- QS48** Challenging invasive fungal infections: Development of innovative electrochemical nanogenosensors to detect Candida spp.
- QS49** Discovery of Hybrid Glypromate Conjugates with Neuroprotective Activity Against Paraquat-Induced Toxicity
- QS50** Discovery of Hybrid Glypromate Conjugates with Improved Activity Against Protein Aggregation Induced by A $\beta$ 25-35 in Neuronal Cells
- QS51** Composición de ácidos grasos y potencial antioxidante del aceite de andiroba
- QS52** Avaliação de biomarcadores de dano renal em bombeiros com participação ativa num fogo controlado urbano

## Química Teórica

### Oral

- QT01** A computational strategy for the design of targeted nanomedicines in cardiovascular diseases
- QT02** Líquidos porosos y el comportamiento adsorptivo selectivo de CO<sub>2</sub> y SO<sub>2</sub> mediante Dinámica Molecular.
- QT03** Unraveling the cellular battle: Antimicrobial peptides and membranes disrupted by COVID-19 using Molecular Dynamics
- QT04** Exploring the Membrane Binding Interactions and Reaction Pathways of Snake Venom Phospholipase A2 Toxin: A Computational Study
- QT05** Ensemble-weighted prediction of photophysical properties of BODIPY derivatives
- QT06** Molecular basis of a photoswitchable histone deacetylase inhibitor: N-(2-Aminophenyl)-3-(4-(methoxyphenyl)diazanyl)phenyl)propanamide.

### Poster

- QT07** A machine learning-based approach to understand dynamic topological changes of the charge density
- QT08** Hansen solubility parameters of ionic liquids from inverse gas chromatography data
- QT09** The challenges of Claisen-Schmidt condensation with polyhydroxylated substrates.

## Seguridad Química

### Oral

**SQ01** Exploring the effects of parabens on neutrophil activation: a study of oxidative burst in hyperglycemic conditions

### Poster

**SQ02** EVALUACIÓN DE LA EXPOSICIÓN A AGENTES QUÍMICOS

**SQ03** ControlQ\_LABCOMB: EVALUACIÓN DE LA EXPOSICIÓN AL RUIDO