



COMUNICACIONES PÓSTER

Biotecnología vegetal		
Comunicación	Autor	Título
Póster 1.1	Angeles Bernal Pita da Veiga Universidade da Coruña	Introduction of resistance in cell suspensions of pepper (<i>Capsicum annuum</i> L.annuum) by elicitation with extracts of <i>Moringa oleifera</i> leaves.
Póster 1.2	Antonio León-Vaz Universidad de Huelva	New molecular tools for the expression of foreign genes in microalgal nucleus.
Póster 1.3	Esther Badosa Universidad de Girona	Antimicrobial and defence elicitor peptides in plant protection. From nature to the biotechnological product.
Póster 1.4	Eva Lozano Milo Universidade de Vigo	Influence of culture media composition and solvent aqueous ratio on phenolic content and antioxidant activity of <i>Kalanchoe</i> cultured in vitro.
Póster 1.5	Laura Iglesias-Bernabé Universidade de Vigo	Study of ectomycorrhizae communities in young chestnut trees using ITS sequences.
Póster 1.6	Tomás Ariel Arteta Arteta Universidade de Vigo	Identification of key factors to optimize plant tissue culture using neurofuzzy logic.

Biotecnología de la salud		
Comunicación	Autor	Título
Póster 2.1	Eva Martín del Valle Universidad de Salamanca	Polydopamine nanoparticles: a study of the conditions that determine their size and loading-capacity of different metals.
Póster 2.2	Lorena Rodríguez Universidade de Vigo	Evaluation of salicylic acid permeation through silicone membrane in presence of biosurfactant produced from corn steep water.
Póster 2.3	Myriam Rincón Fontán Universidade de Vigo	A biosurfactant extract obtained from corn as L-ascorbic acid stabilizer.
Póster 2.4	Gabriel A. Monteiro Universidade de Lisboa, Portugal	Engineering high copy number plasmids for pharmaceutical-grade pDNA production in <i>Lactococcus lactis</i> .

Biotecnología alimentaria

Comunicación	Autor	Título
Póster 3.1	Ana González Abril Universidade de Santiago de Compostela	Peptide biomarkers for biogenic amine-producing bacterial characterization by LC-ESI-MS/MS.
Póster 3.2	Ana González Abril Universidade de Santiago de Compostela	Peptide biomarkers for mastitis producing Streptococcus spp. identification and characterization by LC-ESI-MS/MS.
Póster 3.3	Andrea Ramilo Instituto de Investigaciones Marinas-CSIC	Fish Parasite Biobank: supplier of sample and data for studying the genetic structure of zoonotic Anisakis spp. from European hake Merluccius merluccius.
Póster 3.4	Andrea Ramilo Instituto de Investigaciones Marinas-CSIC	Analysis of the composition of commercial fish feed by NGS: implications for parasite risk exposure assessment.
Póster 3.5	Carmen Sieiro Vázquez Universidade de Vigo	Putative probiotic lactic acid bacteria isolated from non-conventional sources.
Póster 3.6	Clara Fuciños González Universidade de Vigo	Potential of surplus harvest vegetables as new sources of protein for human consumption.
Póster 3.7	Clara Fuciños González Universidade de Vigo	Dairy hydrolysates obtained using an enzymatic extract from Aspergillus niger.
Póster 3.8	Emilio Rosales Universidade de Vigo	Polyunsaturated fatty acid production by microalgae: optimisation and scale-up.
Póster 3.9	Emilio Rosales Universidade de Vigo	Amelioration of Omega-3 docosahexaenoic acid production by microalgae.
Póster 3.10	Georgia María González Meza Instituto Técnico de Sonora, México	Effectiveness of dietary supplementation of microalgae as aquafeed additives for the juvenile white prawn, Litopenaeus vannamei.
Póster 3.11	Ismael Marcet Manrique Universidad de Oviedo	A new procedure to prepare edible films from porcine and bovine blood proteins.
Póster 3.12	Ismael Marcet Manrique Universidad de Oviedo	Influence of egg yolk proteins on the physical properties of gum arabic microparticles loaded with polyphenols.
Póster 3.13	Ruth Gabriela Ulloa Mercado Instituto Técnico de Sonora, México	Antioxidant capacity of macro and micro algae extracts of fresh and marine water with potential application in aquaculture.
Póster 3.14	Manuel Ayuso Vilaboa Universidade de Vigo	Improving the nutraceutical potential of Eryngium viviparum J. Gay through in vitro culture elicitation.
Póster 3.15	Manuel Ayuso Vilaboa Universidade de Vigo	Valorisation of a threatened plant species through in vitro culture elicitation of phenolic compounds.
Póster 3.16	Manuel Rendueles de la Vega Universidad de Oviedo	Elaboration of films-based antibacterial plant extracts to preserve liquid food products.
Póster 3.17	María José Chapela Garrido ANFACO	BIOFUNCTIONAL CHARACTERIZATION OF PROTEIN HYDROLYSATES OBTAINED FROM COD (Gadus morhua) BYPRODUCTS.
Póster 3.18	Maria Jose Larrazabal Universidad Antofagasta, Chile	Effect of the stages of the deodorization process of cochayuyo (Durvillaea antarctica) on the yield and minerals and dietary fiber content, of deodorized algae flour.
Póster 3.19	Marino B. Arnao Universidad de Murcia	Phytomelatonin as a natural alternative to synthetic melatonin in food supplements and others applications.
Póster 3.20	Mario Díaz Universidad de Oviedo	Rheological properties and development of Staphylococcus sp. in structured foods.
Póster 3.21	Montse Pérez Instituto Español de Oceanografía	Is the correct identification of chimaera a chimera?
Póster 3.22	Nuno Brito Instituto Politecnico de Viana do Castelo, Portugal	Implementation of the traceability process in products of autochthonous Portuguese poultry breeds.
Póster 3.23	Nuno Brito Instituto Politecnico de Viana do Castelo, Portugal	Implementation of a traceability system in the rooster production controlled by the "Confraria Gastronómica O Galo de Barcelos".
Póster 3.24	Pascual García Pérez Universidade de Vigo	Study of the adsorption procedure of phenolics from Kalanchoe aqueous extracts onto activated carbón.

Biocatálisis

Comunicación	Autor	Título
Póster 4.1	Abel Muñiz Mouro Universidade de Santiago de Compostela	Re-using laccase for the production of oligorutin in a reaction media free of organic solvents.
Póster 4.2	Ana Serrano Centro de Investigaciones Biológicas (CIB-CSIC)	Changes in the substrate preference of aryl-alcohol oxidase allows a stereoselective oxidation of secondary alcohols.
Póster 4.3	Ángela Mourelle Insua Universidad de Oviedo	A designer natural deep eutectic solvent to recycle the nicotinamide cofactor in alcohol dehydrogenase-catalysed bioreductions.
Póster 4.4	Carmen Sieiro Vázquez Universidade de Vigo	Functional expression and characterization on a new chitinase from <i>Pseudoalteromonas tunicata</i> with nematocidal activity.
Póster 4.5	Christian Bolaño Universidade de Vigo	Copper and polymerized lignin by laccase as wood treatment for marine uses.
Póster 4.6	Elena Álvarez González Universidad de Murcia	Sustainable enzymatic synthesis of panthenyl monoesters in ionic liquids.
Póster 4.7	Elena Álvarez González Universidad de Murcia	Sustainable approach for the synthesis of sorbitol monoesters in Ionic Liquids
Póster 4.8	Fernando López Gallego Universidad de Zaragoza	Cell-free immobilized multi-enzyme systems; from the design to the application.
Póster 4.9	Fuensanta Máximo Universidad de Murcia	Enzymatic alcoholysis of dimethyl adipate by 2-ethylbutanol. Clean synthesis of biolubricants in solvent-free medium.
Póster 4.10	Fuensanta Máximo Universidad de Murcia	Lipase comparison in solvent-free neopentyl glycol dilaurate synthesis.
Póster 4.11	José L. González-Alfonso Instituto de Catálisis y Petroleoquímica (ICP-CSIC)	Combined use of cyclodextrin glucanotransferase from <i>Geobacillus</i> sp. and amyloglucosidase from <i>Saccharomyces cerevisiae</i> to produce glucosylated derivatives of rutin.
Póster 4.12	Julia Gallego Universidad de Murcia	Nicotinate phosphoribosyltransferase <i>Escherichia coli</i> characterization.
Póster 4.13	Manuel Becerra Universidade da Coruña	Characterization of a novel thermostable lipolytic hydrolase found by functional metagenomics from a hot spring.
Póster 4.14	María Asunción Molina Esquinas Instituto de Catálisis y Petroleoquímica (ICP-CSIC)	In-situ and post-synthesis Immobilization of lipase CALB on MOF NH ₂ -MIL-53(AI).
Póster 4.15	María de Fátima Serralha CiQuiBio, Instituto Politécnico de Setúbal, Portugal	Esterification reactions in free solvent systems with cutinase covalently immobilized or only by adsorption.
Póster 4.16	María J. Hernáiz Universidad Complutense de Madrid	Chemoenzymatic synthesis of muramic and glucuronic acids derivatives and preparation of multivalent dendrimers as Dengue virus antagonists.
Póster 4.17	María J. Hernáiz Universidad Complutense de Madrid	Chemoenzymatic strategies for the preparation of glycoproteins of interest and molecular modelling studies of the enzyme-substrate recognition.
Póster 4.18	Marina García Ramos Universidad de Oviedo	Stereoselective reduction of halogenated ketones with an alcohol dehydrogenase from <i>Pichia Glucozyma</i> overexpressed in <i>E.coli</i> .
Póster 4.19	Noa Míguez Rodríguez Instituto de Catálisis y Petroleoquímica (ICP-CSIC)	Selective production and characterization of acidic xylooligosaccharides from beechwood xylan by an enzymatic cocktail.
Póster 4.20	Rocío Villa Aroca Universidad de Murcia	Biocatalytic synthesis of oxygenated biofuels through the technologies of ionic liquids and supercritical carbon dioxide.
Póster 4.21	Rosa M. Blanco Instituto de Catálisis y Petroleoquímica (ICP-CSIC)	Preparation of SBA-15 in different conditions to obtain optimal supports for laccase immobilization.
Póster 4.22	Sergio Gonzalez-Granda Universidad de Oviedo	Laccase-catalyzed oxidations of propargylic alcohols. Application to deracemization experiments by combination with alcohol dehydrogenases.

Biotecnología industrial

Comunicación	Autor	Título
Póster 5.1	Aloia Romani Universidade de Santiago de Compostela	Autohydrolysis followed by ionic liquid treatment for Eucalyptus globulus wood fractionation.
Póster 5.2	Augusto Pedro Universidade de Aveiro, Portugal	Preparative chromatography of recombinant nucleic acids using ionic liquids as multimodal ligands.
Póster 5.3	Daniel Bustamante Universidad de Valencia	Medium chain length polyhydroxyalkanoates production from Camelina oil.
Póster 5.4	Eva Garcia-Ruiz Centro Instituto de Catalisis y Petroleoquímica, ICP-CSIC	MEP pathway optimization by directed enzyme evolution to produce highly valuable chemicals in microbes.
Póster 5.5	Francisco Valero Universidad Autónoma de Barcelona	Growth rate and final protein production can be dramatically increased by using a secretion signal that drives the proteins through co-translational translocation in Pichia pastoris.
Póster 5.6	Francisco Valero Universidad Autónoma de Barcelona	The new derepressible promoter P2: a promising expression system for methanol-free recombinant protein production in Pichia pastoris.
Póster 5.7	Francisco Valero Universidad Autónoma de Barcelona	Oxygen-limiting conditions to improve recombinant protein production in Pichia pastoris regulated by the GAP promoter.
Póster 5.8	Gabriela Lama Rodríguez Universidade de Vigo	Evaluation of the bioreactor configuration in the production of microalgae Cryptocodinium cohnii.
Póster 5.9	Gabriela Lama Rodríguez Universidade de Vigo	Optimization of the culture medium for growth and DHA production of microalgae Cryptocodinium cohnii.
Póster 5.10	Iván Borrageiros Torres Universidade de Vigo	Simulation of biobutanol production at industrial scale.
Póster 5.11	María C. Veiga Universidade da Coruña	Acetogenic bioconversion of greenhouse gases (CO ₂ , CO) and syngas to fuel-alcohols.
Póster 5.12	Marta Muñoz CETEM	Citrus processing waste valorisation for the production of pigments by fungi fermentation.
Póster 5.13	Michele Michelin Universidade do Minho, Portugal	Ohmic heating as a pre-treatment to recovery bioactive compounds from vine pruning residues.
Póster 5.14	Riccardo Bevilacqua Universidade de Santiago de Compostela	Steering volatile fatty acid production during protein fermentation by adjusting substrate composition and pH.
Póster 5.15	Sara Silvério Universidade do Minho, Portugal	Production of fungal pigments using cheese whey as alternative fermentation medium.
Póster 5.16	Sonia Gullón Blanco Centro Nacional de Biotecnología (CNB-CSIC)	Proteins involved in the acquisition of the active structure of the secreted proteins in Streptomyces lividans.
Póster 5.17	Victoria E. Santos Mazorra Universidad Complutense de Madrid	Succinic acid production from xylose by Actinobacillus succinogenes: influence of inoculum built up.

Biotecnología ambiental

Comunicación	Autor	Título
Póster 6.1	Ana Canabal Universidade de Vigo	Scaling-up Ionic Liquid biodegradation: sequencing batch for fixed-bed reactor.
Póster 6.2	Ana Canabal Universidade de Vigo	Hugging a green approach to remove antibiotics from swine wastewater.
Póster 6.3	Antón Puga Pazo Universidad de Vigo	Wastes from hydrocolloid and fibre industry as low-cost adsorbents: adsorption and regeneration.
Póster 6.4	Eduardo Beltrán Flores Universidad Autónoma de Barcelona	Study of the sorption process and removal of diuron by <i>Trametes versicolor</i> immobilised in wood chips in a biodisc reactor operating in continuous mode
Póster 6.5	Elisa González Romero Universidad de Vigo	Challenges in analysis and remediation of pharmaceutical pollution in water: A human concern.
Póster 6.6	Laura Domínguez Más Instituto Superior de Engenharia do Instituto Politécnico do Porto, Portugal	Evaluation of the adsorption potential of biochar prepared from vine shoots for the removal of pirimicarb.
Póster 6.7	Lois Morandeira Universidad de Vigo	Scaling-up Ionic Liquid biodegradation: immobilization approach for fixed-bed reactor.
Póster 6.8	María Arellano Pardo Universidad de Vigo	Bioelectro-Fenton process, a promising system for the removal of ionic liquids?
Póster 6.9	María C. Veiga Universidad de A Coruña	Valorization of sewage sludge to produce volatile fatty acids through acidogenic fermentation: batch and continuous reactor experiments.
Póster 6.10	Nariane de Andrade Universidad de Vigo	Vermicomposting increases bacterial diversity and changes composition and function yielding a high quality plant biostimulant.
Póster 6.11	Mario Díaz Universidad de Oviedo	Biological treatment of anaerobic digestion liquor by white-rot fungi.
Póster 6.12	Miguel Angulo Vela Universidad de Salamanca	Effects of different enzymes on the enzymatic hydrolysis of proteins from butcher's waste.
Póster 6.13	María Elena Olaya Pérez Energylab Vigo	Low cost biogas upgrading using ashes.
Póster 6.14	Pedro Antonio García Encina Universidad de Valladolid	Anaerobic degradation of sulfamethoxazole using anthraquinone-2-sulfonate as redox mediator.
Póster 6.15	Regina Michaela Wittich EEZ-CSIC (Granada)	Ibuprofen, diclofenac and triclosan dissipation and associated microbial ecotoxicity in biopurification systems.
Póster 6.16	Silvia Escudero Universidad de Vigo	Removal of pharmaceutical compounds in wastewater using biochar from rice bran as adsorption matrix.
Póster 6.17	Verónica Poza Nogueiras Universidad de Vigo	Water remediation by means of chestnut shell wastes.

Nuevos retos en biotecnología

Comunicación	Autor	Título
Póster 7.1	Noelia González Ballesteros Universidad de Vigo	Application of the invasive macroalgae <i>Undaria pinnatifida</i> in the synthesis of gold and silver nanoparticles.
Póster 7.2	Noelia González Ballesteros Universidad de Vigo	Food waste application in the synthesis of gold nanoparticles. The case of Galician Brassica oleracea var. <i>Acephala</i> .

Biotecnología microbiana

Comunicación	Autor	Título
Póster 8.1	Carmen Menacho Centro de Investigaciones Biotecnológicas de Ecuador, Ecuador	A Bacillus sp. strain for biosurfactants production as biofungicides of pathogenic cocoa fungi Moniliophthora perniciosa and Moniliophthora roreri.
Póster 8.2	Eduardo Santero Universidad Pablo de Olavide	Cross-talks between two paralogous cascades contribute to the regulation of the General Stress Response in Sphingopyxis granuli TFA.
Póster 8.3	Eva M. Camacho Universidad Pablo de Olavide	Characterization of an ibuprofen-eater bacteria.
Póster 8.4	Jesús Aparicio Fernández Universidad de León	SfbR2, a pseudo-gamma-butyrolactone receptor from Streptomyces filipinensis represses filipin production.
Póster 8.5	Jesús Aparicio Fernández Universidad de León	Streptomyces tsukubaensis production of the immunosuppressant tacrolimus: negative effect of adpA regulator as revealed by the use of a microcultivation system.
Póster 8.6	Juan Gerardo Hernández Delgado Centro de Investigaciones biológicas (CIB-CSIC)	Deciphering the Regulation of safracin cluster in Pseudomonas poae strain PMA22.
Póster 8.7	Julia Gallego Jara Universidad de Murcia	Active and thermostable E. coli large-oligomer protein.
Póster 8.8	Lois Morandeira Universidade de Vigo	Brad-new ability of acclimated Pseudomonas strain in the presence of neoteric pollutants.
Póster 8.9	Lorena Rodríguez Universidade de Vigo	Evaluation of the extraction process of biotechnologically produced biosurfactant from Lactobacillus pentosus.
Póster 8.10	Manuel Becerra Universidade da Coruña	Study of the changes induced in the organoleptic properties of beer after genetic modification of yeast.
Póster 8.11	Ramón González García Instituto de Ciencias de la Vid y del Vino, Logroño	Characterization of extracellular vesicles produced by wine yeast strains under winemaking conditions.
Póster 8.12	Sergio Bordel Universidad de Valladolid	Genome scale metabolic modeling reveals the metabolic potential fo three type II methanotrophs fo the genus Methylocystis.

Biotecnología azul

Comunicación	Autor	Título
Póster 9.1	María José Chapela Garrido ANFACO-CECOPESCA	Study of the antimicrobial activity of different species of microalgae extracts against pathogenic bacteria in aquaculture.
Póster 9.2	Emilio Molina Universidad de Almería	Simultaneous extraction and fractionation of lipids from the marine microalga Nannochloropsis sp. for the production of EPA rich polar lipid concentrates.

Biotecnología y sociedad

Comunicación	Autor	Título
Póster 10.1	Leandro Jorge Guimarães de Oliveira Universidade Católica Portuguesa - CBQF, Portugal	NAFEI – Un proyecto de movilización de estudiantes graduados para la promoción y valorización de la industria agroalimentaria y agroambiental.
Póster 10.2	Leandro Jorge Guimarães de Oliveira Universidade Católica Portuguesa - CBQF, Portugal	Newfood Project - Promoting the transfer of knowledge and innovation to the scientific community and society about traditional food products.