

Monday, 22 nd July 2024				
11:00	Registration			
12:00	Opening session			
12:30	Plenary 1	M ^a José Cocero	Contributions to the decarbonisation of industry through the transformation of biomass into chemical products	
		Chair: Ignacio Gracia		
14:30	Lunch			
16:00	Oral session 1 – Extraction (10+2 min)			
	Chair: Enrique Martínez de la Ossa			
	O1	L.C. dos Santos	Unveiling a new lipid source: alternative solvents and technologies in <i>Galleria mellonella</i> extraction	
	O2	M. Cokdinleyen	Green Solvents Extraction of Neuroprotective Compounds from <i>Tetraselmis chuii</i> by Compressed Fluids	
	O3	F.S. Bragagnolo	Gradiente pressurized liquid extraction coupled to in-line solid-phase extraction (PLE-SPE) for extraction, concentration, and separation of valuable compounds from cocoa bean shells	
	O4	H. Candela-Gil	Corn stover biorefinery based on hydrothermal and membrane processes	
	O5	P. Barea	Cascade approach to valorize products rich in proteins by using subcritical water: <i>okara</i> case study	
17:00	Coffee & Posters			
17:30	Plenary 2	Casimiro Mantell	Challenges in scaling up supercritical impregnation of natural extracts for the generation of active packaging: the Im-Pack Project	
		Chairs: Enrique Martínez de la Ossa		
18:30	Oral session 2 – Extraction and Impregnation (10+2 min)			
	Chairs: Sagrario Beltrán/ M ^a Teresa Sanz			
		O6	I.W. Cordova	Optimization of artemisinin extraction from <i>Artemisia annua</i> L.: using accelerated solvent extraction and biobased solvents
		O7	L. Verano-Naranjo	Polidioxanone medical filaments impregnated with olive pruning extract by supercritical fluids
		O8	V.M. Amador-Luna	Maximizing neuroprotection from <i>Citrus x aurantium</i> leaves: sequential extraction and mixture optimization with compressed fluids and NaDES
		O9	P. Mohammadnezhad	Neuroprotective evaluation and chemical characterization of extracts obtained from <i>Ferula persica</i> L. roots and aerial parts
		O10	G. Domínguez	Obtaining bioactive terpenoids and phenolic compounds from citrus peels by supercritical fluid extraction followed by ultrasound-assisted extraction combined with natural deep eutectic solvents
		O11	M.M. Strieder	Is it possible to use eutectic mixtures as co-solvents in SFE? The case of valorization of peanut by-product to obtain lipids and proteins
		O12	J. Leocádio	Supercritical carbon dioxide impregnation of maritime pine (<i>Pinus pinaster</i> Ait.) wood
	20:15	City tour		

Tuesday, 23 rd July 2024				
9:00	Oral session 3 - Biomaterials (10+2 min)			
	Chairs: Ángel Martín/Soraya Rodríguez-Rojo			
		O13	F. Carrascosa	Biocompatible hydrogels processing with scCO ₂
		O14	E. Pérez	Effect of CO ₂ partial pressure in the phase diagram of hydrophobic Deep Eutectic Solvents
		O15	M.V. Fernández Cid	Supercritical fluid technology in the development of <i>Cannabinoid</i> -based medicines
		O16	M. Carracedo-Pérez	Biomaterials sterilization: A challenge overcome using scCO ₂
		O17	C. Bento	Antibacterial PEC-aerogels - synthesis of silver nanoparticles using chitosan/pectin as reducing agents
		O18	N. Torrealba	Supercritical fluids as a path to sustainability in chemical recycling of plastics
		O19	J.M. Abelleira-Pereira	Integrating hydrothermal processes for the valorization of aeronautical wastes
		O20	ITC Canarias	
10:50	Coffee & Posters			
11:30	Plenary 3	Irina Smirnova	Supercritical fluids for aerogel production: a journey from batch to continuous process and upscale perspectives	
		Chairs: Carlos García		
12:30	Oral session 4 – Aerogels (10+2 min)			
	Chairs: Carlos García/ Mariana Landín			
		O21	C. Illanes-Bordomás	Design of core-shell aerogel particles for colonic drug delivery using an air-assisted coaxial prilling system
		O22	C. López-Iglesias	Biopolymer aerogels fabricated by combination of supercritical CO ₂ technologies in different biomedical applications
		O23	J.M. García-Vargas	Supercritical CO ₂ and N ₂ for thermoplastic polyurethane foaming: Antishrinking strategy
		O24	A. Iglesias-Mejuto	A strategy to manufacture 3D-printed and sterile bioaerogels for bone tissue engineering
		O25	I. Benito-González	Tuning the microstructure of cellulosic porous materials: foams, cryogels and aerogels
		O26	T. Duong	Sustainable synthesis of beclomethasone-loaded alginate aerogels for pulmonary drug delivery via supercritical fluid technology
		O27	B. Merillas	Reticulated foam-Silica aerogel composites for environmental management
		O28	J. A. P Coelho	Production of micro and nanoparticles of ophthalmic APIs using the supercritical antisolvent process
14:30	Lunch			
16:15	Plenary 4	Carlos Silva	Diffusion coefficients in dense fluids: data analysis, modeling, and theoretical perspectives	
		Chair: Herminio da Sousa		
17:15	Coffee & Posters			
18:00	General Assembly meeting			
19:30	Meeting point: Parque de San Lázaro (Bus)			
20:30	Cocktail & Gala dinner			
1:00	Return to Parque de San Lázaro (Bus)			

Wednesday, 24 th July				
10:30	Oral session 5 – Scale-up and Applications (10+ 2 min, IS: 30 min)			
	Chair: Lourdes Calvo			
		IS1	Albertina Cabañas	Supercritical Solution Impregnation in Drug Delivery. Preparation of powder formulations, wound dressings and medicated orthopaedic prosthesis
		O29	H. Ruíz	Use of Supercritical Fluids in the Fight against COVID-19
		O30	G.F. Woerlee	A new Scale-Up to remove TCA from Cork Granules
	IS2	M ^a Dolores Bermejo	CO ₂ valorization in hydrothermal media: from bench scale to continuous operation	
11:45	Slot next EIFS			
12:15	Awards			
12:30	Coffee & Posters			