

Poster	Title	Day
PFHWB01	Supercritical CO <sub>2</sub> Extraction of Oil from <i>Jatropha Curcas</i> Seeds	26 <sup>th</sup> April
PFHWB02	Supercritical Extraction of Filter Tea Factory By product: Extraction of Yarrow Herbal Dust	
PFHWB03	Combined High Pressure Extraction Process to Obtain Phenolic Compounds from Biquinho Pepper ( <i>Capsicum Chinense</i> )	
PFHWB04	Supercritical Fluids Extraction of <i>Sambucus Nigra</i> for Potential Application in Nanocarriers	
PFHWB05	Extraction of Pomegranate Fractions: Influence of Methods on Total Yield, Polyphenols and Sugar Contents	
PFHWB06	Natural Deep Eutectic Solvent Based Pressurized Liquid Extraction of Polysaccharides from Brown Seaweed	
PFHWB07	Subcritical Water Hydrolysis for the Production of Bioactive Peptides from Tuna Skin Collagen	
PFHWB08	Extraction of Bioactive Compounds from Oyster ( <i>Crassostrea gigas</i> ) by Pressurized Hot Water Extraction	
PFHWB09	Detrapment and Concentration of Sulphur Terpenoids from <i>Agathosma</i> Essential Oil using Supercritical CO <sub>2</sub> in a Counter-Current Column	
PFHWB10	Subcritical Water Extraction and Reaction of Bioactive Pectic Polysaccharides from Pomegranate Biomass	
PFHWB11	Unveiling Chemotherapeutic Potential of Orange Peels and Brassica SCF Extracts in Human Colorectal Cancer Cell Spheroids	
PFHWB12	Microparticle-Based Delivery Systems for Food Applications	
PFHWB13	Nanoencapsulation of $\omega$ -3 Rich Fish Oil in Polycaprolactone by Supercritical Fluid Extraction of Emulsions	
PFHWB14	Effect of the Pretreatment and Size Particle Distribution in Oilseeds Extraction with Supercritical CO <sub>2</sub>	
PFHWB15	Supercritical CO <sub>2</sub> Extraction of Carotenoids from Persimmon Fruit: Design of Experiment and Modelling	
PFHWB16	Temperature and Density Effects of the scCO <sub>2</sub> Extraction of <i>Spilanthes</i> from <i>Spilanthes Acmella</i> Flowers	
PFHWB17	Inactivation of the Microbiota and Effect on the Quality Attributes of Pineapple Juice Using a Continuous Flow Ultrasound-Assisted Supercritical CO <sub>2</sub> System	
PFHWB18	Impact of Extraction Technology on Valorisation of Plum Seed as New Protein Source: Supercritical Fluid Extraction vs Cold Pressing	
PFHWB20	Carbon Dioxide for a Galenic Approach: Which Uses and Benefits for Cosmetic?	
PFHWB21	Supercritical CO <sub>2</sub> Extraction of <i>Agastache foeniculum</i> Aerial Parts: Composition, Modelling and Comparison with Hydrodistillation	
PFHWB22	Characterization of <i>Ocimum Basilicum</i> L. Essential Oil and Volatiles Obtained by SFE-CO <sub>2</sub> Extraction	27 <sup>th</sup> April
PFHWB23	Integrated Methods for the Entire Recovery of Passion Fruit By-Products Using Sub/Supercritical Technology	
PFHWB24	High Pressure Carbon Dioxide-Assisted Extraction (HPCDAE) of Bioactive Ingredients from Port Wine Lees	
PFHWB25	Preparation of Liposomes Loaded with Hydrophilic and Hydrophobic Bioactives Using Supercritical Carbon Dioxide	
PFHWB26	The Prediction of the Best Co-solvents for Supercritical CO <sub>2</sub> Extraction of Bioactive Compounds with the Hansen Solubility Theory	
PFHWB27	High Pressure Carbon Dioxide Technology. Application to Orange Juice	
PFHWB28	Extraction of Pesticides from Banana Flour ( <i>Musa</i> spp) Using Supercritical Carbon Dioxide: Experiments and Modelling	
PFHWB29	Supercritical CO <sub>2</sub> Extraction of Phenolic Acids from Potato Peels	
PFHWB30	Antibacterial and Antioxidant Properties extracts of <i>Jatropha Gossypifolia</i> L. using Methanol, Ethanol and Supercritical CO <sub>2</sub> Extraction	
PFHWB31	SuperLip Process for the Production of Liposomes Loaded with Essential Oils	
PFHWB33	Integrated SAS-Fluidized Bed Coating of Curcumin on Lactose Surface for Pulmonary Delivery	
PFHWB34	Impact of Temperature, Pressure and pH on Subcritical Water Extraction (SWE) of Hydroxytyrosol from Olive Pomace	
PFHWB35	Effect of High Pressure Carbon Dioxide (HPCD) Treatment on Enzyme Inactivation and Other Properties of Tomato Juice	
PFHWB36	Elaboration of Innovative Medical Devices by Dispersing Fatty Acid Eutectic Blends on Gauzes Using PGSS Process	
PFHWB37	Multifunctional Nanovesicles for Drug Delivery Applications	
PFHWB38	Microbial Inactivation due to SC-CO <sub>2</sub> Drying Process	
PFHWB39	Sustainable Extraction of Bioactive Compounds from Cocoa Bean Hulls ( <i>Theobroma cacao</i> )	
PFHWB40	Optimization of Supercritical CO <sub>2</sub> Extraction of <i>Lavandula angustifolia</i> L. Focused on Coumarin and Herniarin	
PFHWB41	Recovery of Antioxidant Compounds from Bravo de Esmolfe Apple Variety using High Pressure Technology	
PFHWB42	Comparison of Glycerolysis of Sardine Oil by Lipozyme 435 in Solvent Free and SC-CO <sub>2</sub> Media	
PFHWB43	Integrated Methods for the Entire Recovery of Passion Fruit By-Products Using Sub/Supercritical Technology	

Poster	Title		
PK01	High-pressure Solubility Data of Resveratrol in Supercritical Carbon Dioxide at 308.15K	26 <sup>th</sup> April	
PK02	Solubilities of Tocopherol + Palmitic Acid in Supercritical Carbon Dioxide at 308.15 and 328.15 K		
PK03	Modeling of High Pressure Phase Equilibrium CO <sub>2</sub> /Ethyl Acetate/PLGA		
PK04	Thermodynamic Characterization of Fluorinated Ionic Liquids to Be Used as Artificial Oxygen Carriers		
PK05	Insights Into the Evolution of Hydrogen Bonding from Ambient to Supercritical Conditions		
PK06	Simulation of Precipitation Phenomena in Supercritical Fluids Processes		
PK07	Liquid-Vapor Equilibrium Data, Density and Other Volumetric Properties of Carbon Dioxide + Acrylic Acid Binary Mixtures at High Pressure		
PK08	High Pressure Bubble- and Dew-Point Data of CO <sub>2</sub> with Detergent Range Alkanes and Alcohols		
PK09	Rheological Behavior of Nanofluids and Their Application in Emulsion Inversion under Pressure		
PK10	Analysis of Anthraquinone and Indigoid Colourants in Andean Textiles Using Supercritical Fluid Chromatography		
PK11	Extraction of Triglycerides from <i>Nannochloropsis</i> sp. Using Supercritical CO <sub>2</sub> as Solvent		
PK12	Binary Phase Equilibrium, Density and Viscosity Measurement of 100 cSt and 200 cSt Polydimethylsiloxane in CO <sub>2</sub>		
PK13	Measurement and Modelling of Sorption and Diffusion of Supercritical CO <sub>2</sub> in Synthetic- and Natural-Based Polymers		
PK14	Phase Behavior for the 2-(trimethylsilyloxy)ethyl methacrylate and 3-(trimethoxysilyl)propyl Methacrylate in Supercritical CO <sub>2</sub> at Various Temperatures and Pressures Up to 20 MPa		
PK15	Liquid-Vapor Equilibrium Data, Density and other Volumetric Properties of Carbon Dioxide + Acrylic Acid Binary Mixtures at High Pressure		27 <sup>th</sup> April
PK16	Optimization of Supercritical Water Oxidation Process Using Aspen Plus®		
PK17	The Parameters That Affect the Supercritical Extraction of TCA from Cork		
PK18	The Influence of Water on the Solubility of Carbon Dioxide in Ionic Liquids		
PK19	Modelling Nucleation and Cell Size During the Continuous Process of Extrusion Assisted by Supercritical CO <sub>2</sub>		
PK20	Thermodynamic Modeling of Fennel ( <i>Foeniculum vulgare</i> mill) and Argan ( <i>Argania spinosa</i> l) Essential Oils Solubility in Supercritical Carbon Dioxide		
PK21	Supercritical Extraction from Natural Products: Phase Equilibrium Study of the Ternary System CO <sub>2</sub> + H <sub>2</sub> O + Ethanol at Elevated Pressure		
PK22	High-Pressure Phase Equilibria of the Pseudo-Ternary System Carbon Dioxide + Ethanol + Fish Oil		
PK23	Conception of CO <sub>2</sub> -phile and Selective Extractants for Supercritical CO <sub>2</sub> Extraction of Metals		
PK25	Extended Correlation to Predict High Pressure Solubility of Carbon Dioxide in the 1-Ethyl-3-Methylimidazolium Family of Ionic Liquids		
PK26	Size-control in the Synthesis of Organic Modified Boehmite with High Spect Ratio in Hot-compressed Water		
PK28	Prediction of Supercritical Carbon Dioxide Impregnation of a Polyurethane Membrane with Borage Oil from Phase Behaviour of the Ternary System		
PK29	Modeling High-Pressure Phase Behavior of Crude Oil and Impure CO <sub>2</sub> Mixtures: Effect of Characterization Methods		
PK30	Effect of Different Ionic Liquids as Solvents and Co-Catalysts on the Coupling Reaction between CO <sub>2</sub> and Epoxides	26 <sup>th</sup> April	
PK31	A Quality-by-Design Approach towards the Optimization of Supercritical CO <sub>2</sub> Spray Drying		
PK32	CO <sub>2</sub> Carnot Cycle for Waste Heat Utilization		
PK33	Investigation of the CPA EoS in Estimating Density of Deep Eutectic Solvents		
PK34	Pressure Control in a Continuous, Pilot-Scale SFE Process		
PK35	Studying CO <sub>2</sub> -philicity by High-pressure Nuclear Magnetic Resonance		
PM01	Supercritical Antisolvent Precipitation: Effect of Solvent Type and Concentration on Morphology of Crystalline Particles		
PM02	Cleaning of Wine Bottle Cork Stoppers with High Pressure Carbon Dioxide		
PM03	Functionalization of Mesoporous SiO <sub>2</sub> SBA-15 with Thiol Groups Using Supercritical CO <sub>2</sub>		
PM04	Scale Up of Dispersion Polymerisation of Methyl Methacrylate Synthesis in scCO <sub>2</sub>		
PM05	Antimicrobial Properties of Synthetic Bone Scaffolds Prepared by Supercritical CO <sub>2</sub> Foaming		
PM06	Tuning the Size of Bio-Based Aerogel Particles for Biomedical Applications		
PM07	Ionic Liquid/Supercritical CO <sub>2</sub> Mixtures for the Synthesis of Metal-Organic Frameworks (MOFs)		
PM08	One Pot Enzyme Catalysed Reaction with Corn Germ Oil and Product Separation		
PM09	Effect of scCO <sub>2</sub> on the Kinetics of Acetylation of Cellulose Using 1-allyl-3-methylimidazolium chloride as Solvent		
PM10	New Insights on Biopolymer Sterilization Using Supercritical CO <sub>2</sub> Technology		
PM11	Low-Soluble Drugs Release from Bio-Aerogels		
PM12	PLA Functionalization via Click Chemistry at Supercritical Conditions		
PM13	Copaiba Oil-loaded Commercial Wound Dressings Using Supercritical CO <sub>2</sub> : a Potential Alternative Topical Antileishmanial Treatment		
PM14	A Comparative Study of Copper(II) Alkanoates-Isonicotinamide Adducts Obtained via Slow Evaporation and Using Supercritical CO <sub>2</sub> as An Antisolvent		
PM15	Optimization of Subcritical Water Processing of ZrO <sub>2</sub> .1TiO <sub>2</sub> .9O <sub>n</sub> and Its Effect on Microstructural Properties		
PM16	Preparation and Characterization of Curcumin-Polymer Drug Delivery Systems		
PM18	Esterification of Isoamyl Alcohol by Immobilized Lipase in Supercritical CO <sub>2</sub>		
PM19	Non-invasive Determination of Transport Properties and Solubilities for (Compressed CO <sub>2</sub> )/Polyol-mixtures		
PM20	N <sub>2</sub> and CO <sub>2</sub> Adsorption Isotherms of Metal-Organic Frameworks Crystallized in scCO <sub>2</sub>		
PM22	Polymer-Assisted Extraction of Palladium from Supported Catalysts in Supercritical Carbon Dioxide		

Poster	Title	
PM23	Preparation of Supported Catalysts with Hierarchical Porosity: Removal of the Polymer Template by Supercritical Carbon Dioxide Extraction	27 <sup>th</sup> April
PM24	Near- and Supercritical Solvothermal Recycling of Carbon Fibres Reinforced Polymers (CFRPs)	
PM25	Supercritical Flow Synthesis of Pt1-xRuX Nanoparticles: Comparative Phase Diagram Study of Nanostructure versus Bulk	
PM26	Synthesis of a Temperature and pH-Sensitive Copolymer Using the Supercritical Fluid Technology	
PM27	Fluorinated SiO <sub>2</sub> -based Aerogels: the Effect of the Substituent on the Properties of Materials	
PM28	Advanced Approaches to the Catalysts Synthesis Using Supercritical Fluids	
PM29	Towards a Sustainable Synthesis of Metal-Organic Frameworks (MOFs) with Supercritical CO <sub>2</sub>	
PM30	Investigation of Alginate Cation Crosslinking on the Aerogel Characteristics Using CO <sub>2</sub> Induced Gelation	
PM31	Batch Foaming of Poly(lactic acid) with Supercritical Carbon Dioxide: Influences of Process Parameters on the Morphology	
PM32	Influence of Solvents on Inorganic and Organic Aerogels Properties	
PM33	Development of a Disposable Molecularly Imprinted Electrochemical Sensor	
PM34	Fluorinated SiO <sub>2</sub> -based Aerogels: the Effect of the Substituent on the Properties of Materials	
PM35	Production of PMMA Particles by Dispersion Polymerization in Supercritical CO <sub>2</sub>	
PM36	Encapsulation of Ovalbumin in PLGA Particles through Supercritical Fluid Extraction of Emulsions	
PM37	Hybrid Alginate-based Aerogels as Nasal Drug Delivery Systems	
PM38	Re-crystallization and Micronization of Active Pharmaceutical Ingredients Using the Rapid Expansion of Supercritical Solution Process	
PM39	Synthesis And Photoluminescent Properties Of Calcium Molybdate Particles By Several Solution Methods	
PM40	Supercritical Impregnation of Acetylsalicylic Acid in Yeast $\beta$ -glucan Aerogels	
PM41	Supercritical Impregnation of Therapeutic Deep Eutectic Solvent (THEDES) in Alginate Hydrogels	
PM42	A Pressure Vessel for Studying Gas Sorption and Synthesis of Thermosetting Polyurethane Foams	
PRC01	Supercritical Water Gasification of Black Liquor: from Batch to Continuous Operation	26 <sup>th</sup> April
PRC02	Effect of Pretreatments on Isolation of Bioactive Polysaccharides from Spent Coffee Grounds Using Subcritical Water	
PRC03	Revalorization of Tobacco's Scrap and Stalk via Supercritical Water Hydrolysis: FASTSUGARS Process	
PRC04	Biomethane from Mixed Organic Waste by Hydrothermal Conversion in Near- and Super-Critical Water	
PRC05	Coffee Ground Lignocellulosic Fractionation Using Natural Deep Eutectic Solvents Coupled with CO <sub>2</sub>	
PRC07	New System for Production of Clean Supercritical Water for Energy Use	
PRC08	Synthesis of 5-Hydroxymethylfurfural from Biomass in Two-Phase Supercritical CO <sub>2</sub> -water Systems	
PRC09	Roles of Water on Solid Acid Catalyzed Organic Reactions in Sub- and Supercritical Water	
PRC10	Hydrothermal CO <sub>2</sub> Reduction Using Biomass Derivatives as Reductants	27 <sup>th</sup> April
PRC11	Hydrolysis of Lignin in Sub and Supercritical Water Using an Ultrafast Reactor to Improve Selectivity: Effect of Temperature	
PRC12	Hydrogen Production by Catalytic Conversion of Olive Oil Mill Wastewater in Supercritical Water	
PRC13	Bioreduction of CO <sub>2</sub> to Methanol in Supercritical Conditions	
PRC14	Online Combination of Supercritical Fluid Extraction and Selective Sorption from Supercritical Solutions	
PRC15	Reducing Energy Cost in the Plant Scale Carbon Dioxide Recycling Systems	
PRC16	Biodiesel Synthesis from Fish Waste-Oil via Supercritical Methanol	