Comunicações em Painel

Sessão CP-1, 21 de Julho

CP1	Modelos quimiométricos semi-quantitativos para a caracterização de misturas de açúcares utilizando dados espectrais no infravermelho Anna Luiza Bizerra de Brito*		
CP2	Desenvolvimento de buckypaper híbrido de nanotubos de carbono e grafeno: uma abordagem estrutural e funcional Thais Ferreira da Silva*		
CP3	Preparation of activated carbon from coffee grounds for the removal of pharmaceuticals from water Tayra R. Brazil*		
CP4	Nutritional profiling and antioxidant activity of wild Mirto Cátia Santos*		
CP5	Monitoring persistent pollutants upstream Fernanda F. Roman*		
CP6	Caracterização interfacial de sistemas modelo de emulsões na presença de íons sulfato e estrôncio Josefa M. S. Gonçalves*		
CP7	Influence of graphene oxide content on TiO ₂ /GO/g-C ₃ N ₄ ternary heterojunctions: Photocatalytic degradation of acetominophen Geovania Cordeiro de Assis*		
CP8	B-RespHonsiv: Azaboron-oxy complexes (AZABY) as an innovative linker technology for targeted drug conjugates Eduardo F. F. Reis*		
CP9	Reclaiming value from hazardous waste: molecular characterization of virgin, used and regenerated lubricant oils S. B. Jerónimo*		
CP10	Thermally-chargeable textile supercapacitors: a scalable approach using screen-printed MWCNT and graphene electrodes Ana Rita Sousa*		
CP11	Hyperbaric storage at room temperature of a vegan chewable smoothie fortified with probiotics Jorge A. Saraiva*		
CP12	Dependence of pulsed electric field and ultrasound pre- treatments on the destruction of <i>Alicyclobacillus acidoterrestris</i> spores in apple juice by hyperbaric inactivation Carlos A. Pinto*		
CP13	Balancing quality and safety in smoked salmon: effects of pressure-based pasteurization and packaging atmosphere Alireza M. Ganjeh*		
CP14	Nanoparticle-encapsulated phage therapy for treating infections in cystic fibrosis Lorena García Hevia*		
CP15	Green silicon: New method for synthesizing high-purity Si from the major agro-waste rice husk Aklima Hoque Kakon*		
CP16	Photosensitive PLA-curcumin films for inactivation of bacteria and fungi Madalena F. C. Silva*		

CP17	Novel conductive copolymers for amperometric glucose biosensors		
CP18	Diana M. Carneiro* AIE-active phenylpyridyldibenzofulvenes: synthesis, photophysical characterisation and white light emission properties Ângela Marques*		
CP19	Translating and optimizing SLN manufacturing through a quality by design pproach Rolel Abderamane-Dillah *		
CP20	Antimicrobial photodynamic therapy using novel cationic zinc(II) phthalocyanines: A promising approach against Escherichia coli M. Amparo F. Faustino*		
CP21	Exploring the potential of SCOBY bacterial cellulose films in green tea kombucha to produce wound dressings Joana Jesus*		
CP22	Unveiling penicillin g sodium and cyclodextrin interactions through taylor dispersion analysis Sara Sofio*		
CP23	Derivatization studies on antimicrobial abietanes Tiago Duarte*		
CP24	Shrimp shell-derived Ru/N-doped biochar for catalytic applications Andreia F. Peixoto*		
CP25	Dicarboxymethyl cellulose in adsorption-assisted and composite membrane systems as a dual approach for protein removal Ricardo Chagas*		
CP26	Model zwitterions toward the future functionalization of cellulose Luisa M. Ferreira*		
CP27	Organic-inorganic hybrid materials as a tool towards alternative cancer treatments Catarina Pereira Queiroz*		
CP28	Pulsed light in thermal catalysis assisted by metal nanoparticles Gabriel Ribeiro*		
CP29	Light-driven ammonia decomposition for hydrogen generation using graphitic carbon nitride-based materials Rafael C. Carneiro*		
CP30	Synthesis of aldehyde-functionalized diphenylbenzofulvene (DPBF) derivatives via green methodologies André Marques*		
CP31	Basolite® A100 prototypical "breathing" MOF for room temperature hydrogen storage using a sieverts-type volumetric system Carlos M. F. Dias*		
CP32	Exploring GCN/Cs ₃ Bi ₂ Br ₉ as a heterojunction photocatalyst for selective <i>p</i> -anisaldehyde production Joana P. Ramos*		
CP33	Tailoring hydrogen tunneling efficiency of triplet 2-formylphenylnitrenes to imino-ketenes Sofia Braz*		
CP34	Vinyl tetrazoles: valuable building blocks towards <i>N</i> -		

	heterocycles
	Terver J. Sase*
CP35	Design and characterization of new pyranine derivatives for pH sensing applications Sofia M. Silva*
CP36	Investigating isatin-based compounds as potential inhibitors of bace-1 and cholinesterase enzymes Mariana Pinto*
CP37	CCU-Tailor: A software for tailored design and optimisation of carbon capture and utilisation solutions Daniel Sousa*
CP38	Purification of antileukemic biopharmaceuticals using carbon xerogels Francisco M. Moreira*
CP39	Insights into hydroprocessing of oleic acid over a bifunctional Ni/ZSM-5 catalyst in a continuous reactor for SAF production Rita Assis dos Santos*
CP40	Volumetric and sonometric properties of C-propyl resorcinarenes in 2-propanol Karen Segura*
CP41	Chromones as innovative cap groups in the design of histone deacetylase inhibitors //o Cruz*
CP42	Synthesis of novel indolyl-functionalized thiazoloisoindolinones as potential p53 activators Susana M. M. Lopes*
CP43	AIE-Active chalcone-based fluorescent probes for selective nitroaromatics detection in water Mariana Peixoto*
CP44	Enhanced biodegradability and mechanical performance of PBS-cellulose biocomposites via bio-based compatibilizers from used cooking oils Francisco J. P. M.Sousa*
CP45	Optimized BODIPY synthesis: A hybrid batch-flow approach Juliana S. F. Cebola*
CP46	Searching for innovative materials for the selective and sustainable recovery of platinum group metals Pedro J. S. Teixeira*
CP47	Solvent polarity and aggregation-induced emission effects on fluorescence and white light emission of acridone derivatives Ricardo C. Pereira*
CP48	Unlocking scientific data: Data extraction from graphs using VLMs Léa C. S. Gabay*
CP49	GC-MS profile of <i>Prunus Iusitanica</i> L. subsp. <i>Iusitanica</i> : unlocking its food industry potential applications Natacha C. P. Rodrigues*
CP50	Mitigating proteinuria interference for accurate ¹ H NMR quantitative analysis of urine Catarina S. H. Jesus*
CP51	Pyrimethanil-cyclodextrin supramolecular interactions: transport properties and dynamics simulation Carlos J. S. Dinis*
CP52	Designing better surfactants: Covalent vs. ionic interactions in

	amino acid surfactants derived from used cooking oils Margarida I. M. Esteves*		
CP53	Host-guest inclusion complexes of sodium sulmadiazine with various supramolecular platforms in aqueous solution Almudena Crespo*		
CP54	Study of functionalized magnetic iron oxide/glycine imines nanoparticles for magnetic hyperthermia therapy Juliana Araújo*		
CP55	A computational study of the adsorption of ciprofloxacin on chitosan-based adsorbents Joana F. M. Sousa*		
CP56	Design and photophysical exploration of dithienopyrrole derivatives for triplet–triplet annihilation upconversion Nuna Ramos*		
CP57	Heading toward nature-inspired pesticide adsorbing materials: A multi-stage computational approach for amino acid selection Joana R. C. Santos*		
CP58	Perspectives on the use of CO ₂ in polymer production Patrícia A. Varum*		
CP59	Bio-waste-derived carbon nanosystems: Multicomponent platforms for tunable photoactive devices Maria Francesca Coccimiglio*		
COC1/CP60	Enzyme meets carbon: A laccase-biochar composite for enhanced diclofenac removal and by-product profiling via mass spectrometry Hugo F. Rocha*		
COC2/CP61	Towards a multi-scale sustainable process optimization: coupling kinetics, reactor and process models with environmental impact Thomas Hietala*		
COC3/CP62	Shades of red: A chemical exploration of pigments and dyes in 19th century postage stamps by a multi-analytical methodology Simone C.R. Ferreira*		
COC4/CP63	Tracing the purple colour of the past: a photophysical and photochemical investigation of shikonin in a cultural heritage context Catarina M. Pinto*		
COC5/CP64	Mixed ionic and electronic conductivity in a tetrathiafulvalene- phosphonate metal-organic framework Catarina Ribeiro*		
COC6/CP65	Naphthalimide-based chemosensors for cadmium detection at physiological pH Liliana J. Gomes*		
COC7/CP66	Biomolecular study of a new cyclometalated ruthenium complex with benzo[h]quinoline and nitrosyl ligands Pedro Henrique Oliveira Nazar*		
COC8/CP67	Crossing barriers: a mechanistic look at drug permeability through biomembranes Margarida M. Cordeiro*		
COC9/CP68	Photodynamic antimicrobial biopolymeric films for healthcare applications Carolina V. Domingos*		
COC10/CP69	A novel triphasic Zn(II)-chrysin system: from crystal architecture to promising anticancer action		

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Sessão CP-1, 22 de Julho

CP70	Remoção de estrogénios por adsorção: Produção de
	adsorventes a partir de resíduos de cortiça e estudo cinético Bruno Exposto*
CP71	Estudo in vitro da libertação de iões de ligas metálicas biomédicas de Co-Cr em diferentes ambientes fisiológicos Esmeraldo P. Z. Salote*
CP72	Avaliação do e-metanol como combustível para células de combustível com alimentação direta de metanol em aplicações marítimas João Lima*
CP73	Elemental fingerprinting of apple and pear cake fillings for geographic origin authentication via ICP-MS Ana M. S. Costa*
CP74	Dar a volta à história das ideias em Química Sérgio P. J. Rodrigues*
CP75	All-organic symmetrical aqueous redox flow batteries based on indigo carmine and sulphonated tryptanthrin Daniel Lagoa*
CP76	New conjugates featuring indazole and benzimidazole cores: Synthesis, characterization, and antimicrobial activity Maria G. P. M. S. Neves*
CP77	Metal ion adsorption from water using poly(β-cyclodextrin)– Brazilian clay composites Rafaela Reis Ferreira*
CP78	Continuous separation of bioactive compounds by simulated moving bed (SMB) chromatography Gonçalo D. S. Marques*
CP79	Experimental and theoretical study on the interaction of an ionic resorcin[4]arene and some pollutants in aqueous solution Nicolas Espitia Galindo*
CP80	Potential application of a Prussian blue analogue for determination of urease activity related to clinically significant pathogens Maria C. Tavares*
CP81	Development and high pressure pasteurization of a vegan smoothie Nicole Moreira*
CP82	Photocatalytic reforming of biomass for sustainable hydrogen production Cláudia G. Silva*
CP83	Sustainable synthesis of furo-pyridazines via mechanochemistry: A green route from O- to N-heterocycles Francisco M. G. C. Silva*
CP84	Aplicação do modelo 5E ao estudo das reações fotoquímicas no ensino secundário Carla S. Saragoça*
CP85	Maritime plant valorization: phytochemical and functional profiling of white crowberry seeds

	Lara Silva*		
CP86	Elucidating the structural, physicochemical, and complexation properties of the alizarin red S–Al(III) system Licinia L. G. Justino		
CP87	Near-Infrared fluorescent indolizine-based probes for imaging of amyloid-beta aggregates in Alzheimer's disease Maria Oliveira*		
CP88	TPA-benzothiadiazole derivative-based photosensitizer for photodynamic therapy Sónia C. S. Pinto*		
CP89	Carob pulp as a renewable sugar source: optimization of the extraction process for sugar-based surfactant production Carolina F. Jesus*		
CP90	Continuously stirred tank and fixed-bed column adsorption systems for the removal of diclofenac from water using biochar from brewery waste Rita Gouveia*		
CP91	Enhancing diflunisal dissolution rate via co-crystallization with L-proline Nuno Santos*		
CP92	Rational design of Ti-MOF/g-C3N4 photocatalysts for green ammonia production Amala Joy*		
CP93	Activated carbon from agricultural wastes for wastewater treatment: effective solution or burden to aquatic environment? Ângela Almeida*		
CP94	Chemical functionalization of nanocellulose with BODIPY via thiol-ene click reaction and adsorption strategy Chrislaura Bellini do Carmo*		
CP95	Application of porous materials for carbamazepine removal in continuous flow systems Arthur P. Baldo*		
CP96	Exploring the decay mechanisms of isoindigo from indolin-2- one-based derivatives: molecular isomerism vs. aromatic rigidity Carla Cunha*		
CP97	Exploring fluorine-free hydrophobic emulsions for sustainable automotive coatings Cátia S. M. Esteves*		
CP98	Quantifying solvent effects in preferential solvation phenomena through a QSPR methodology Ana Beatriz Pinção*		
CP99	Bioactive films of thermoplastic starch and olive leaf extract for active food packaging Carla Vilela*		
CP100	Olefin epoxidation with a molybdenum(VI) tetrazolate complex: switch from a homogeneous to a self-separating catalyst Patrícia Neves*		
CP101	Silica-based aerogel composites incorporating industrial wastes for thermal insulation applications Cláudio M. R. Almeida*		
CP102	Degradable and well-defined amphiphilic star block copolymer for the preparation of nanoparticles for doxorubicin delivery Joana S. Ferreira*		

CP103	Photoacoustic-assisted delivery of immunosuppressants: A promising strategy for treating skin inflammation Sofia Melo-Guímaro*		
CP104	Physical recycling of LDPE/PA multilayer plastics using green solvents Diana Marques*		
CP105	Click-chemistry engineered tumor-stroma in vitro models for screening pancreatic cancer therapies Simão Pedro Santos*		
CP106	Characterization of White Port Wines Using HPLC-DAD, Spectroscopy, Time-Resolved Techniques, and Chemometric Analysis Cátia Neves*		
CP107	Flow chemistry vs. microwave in the phosphine-catalyzed umpolung γ-addition of iminochromanes to allenes Maria I. L. Soares*		
CP108	Synthesis and evaluation of steroidal arylidene derivatives as potential α-glucosidase inhibitors Samuel Silvestre*		
CP109	Formic acid decomposition on the Ti ₃ C ₂ T _x MXene Joana S. Figueiredo*		
CP110	Linking structure, activity, and toxicity in mycotoxins through machine learning approaches Tânia F. Cova*		
CP111	Silica-embedded metal oxide nanoparticles as epoxidation catalysts: batch and continuous-flow systems Diana M. Gomes*		
CP112	A BODIPY derivative as a fluorescent bioimaging probe: experimental and computational studies Maria M. M. Raposo*		
CP113	(Re)constructing the life of Jesuit professors in Évora: a multi- analytical characterisation of skeletal remains and archaeological assemblage Suarlin Cordova*		
CP114	Design, synthesis and biological evaluation of novel potential inhibitors of p52 Sofia Sarabando*		
CP115	Removal of antibiotics from water with magnetic TiO2/carbon quantum dots as photocatalyst Valentina Guimarães da Silva*		
CP116	Bulky olefin epoxidation under mild conditions over nanocatalysts Anabela A. Valente*		
CP117	Non-cytotoxic and biodegradable micelles from 4-arm star PLA-b-POEOA and PLGA-b-POEOA block copolymers for drug delivery João P. Vareda*		
CP118	New Fe(III) C-scorpionate complexes as active catalysts for the oxidation of toluene and benzyl alcohol Luísa M. D. R. S. Martins*		
CP119	Data-driven molecular simulations in the classification of psychoactive molecules Sandra C. C. Nunes*		
CP120	Reversible thermosets from vegetable oils Maria C. Almeida*		

CP121	Protein Recovery from Tenebrio molitor Powder via Eutectic Solvent Systems Ana P. M. Tavares*	
CP122	Engineering Smart Porphyrin-Nanoparticle Hybrids for Imaging and Precision Photodynamic Cancer Therapy Daniel Cavaco*	
CP123	Atividades experimentais investigativas de química e outras ciências: Encontros e entrelaces na EB1,2,3/JI Ciprião de Figueiredo	
	Margarida C. Fael*	
CP124	Purificação a seco do biodiesel etanólico através de adsorção utilizando materiais à base de casca de amêndoa Melissa Giacomet Mezzalira*	
CP125	Análises físicas, químicas e ecotoxicológicas dos solos da agrofloresta da Bela Flor Elsa Jofre*	
CP126	Coffee, from grain to brain – a high school Chemistry project Inês Miranda-Santos*	
CP127	Ru-HKUST analogue: a possible candidate for osteoarthritis drug delivery Nádia E. Santos*	
CP128	Pd-Based zeolites for biomethane oxidation with NOx: Impact of compensating cation and Si/Al ratio Paula Teixeira*	
CP129	Influence of promoter nature on biomethane oxidation by pd- based zeolites in the presence of NOx Mariana R. Pereira*	
COC11/CP130	Underexplored cultures for healthy and sustainable foods Tiago Alves*	
COC12/CP131	From lab to real waters: engineering MoS ₂ nanoadsorbents for efficient cationic dye removal Leonardo O. Amaral*	
COC13/CP132	Modeling co-processing effects in the hydroconversion of advanced renewable feedstocks Arij Ben Hassine*	
COC14/CP133	Optimizing biogas production via ozone sludge pretreatment Safaa Alqudah*	
COC15/CP134	Development of plant-based meat analogues using potato protein and vegetable-fruit derived ingredients Vasco Trincão da Silva*	
COC16/CP135	Illustrating light-responsive host-guest chemistry Miriam Colaço*	
COC17/CP136	New carbon/bismuth oxide-based nanohybrids for smart energy harvesting and storage textile devices Rúben Feiteira*	
COC18/CP137	Engineering light-responsive textiles: The role of polymers in WO ₃ -spiro-based photochromic nanohybrids Joana S. Teixeira*	
COC19/CP138	Design and total synthesis of staphylopine inspired metallophore analogues for diagnostic and antimicrobial applications Maria Eduarda Ramos*	
COC20/CP139	Investigation of the cellular transport mechanisms of a novel carboxamide halogenated bacteriochlorin	

	Mafalda Penetra*
CP140	Porous foams for the adsorption of phenolic compounds in olive mill wastewater: A critical review of materials and process parameters
	Alice P.Jerónimo