

Dadas as limitações de espaço e o elevado número de contribuições recebido, os posters serão afixados por tópicos durante o Encontro, de acordo com a seguinte distribuição diária:

24/07/2019	25/07/2019	26/07/2019
Saúde (CPH)	Materiais (CPM)	Alimentação (CPF)
Nanotecnologia (CPN)		Ambiente (CPEV)
		Energia (CPEN)
		Cultura e Ensino (CPCE)

Desta forma, os trabalhos deverão ser afixados nos painéis pelos próprios autores no início do dia e recolhidos no final do mesmo. O material para afixação dos posters (fita cola, alfinetes, etc.) será fornecido no local pela organização. A lista final dos posters pode ser consultada em baixo.

COMUNICAÇÕES EM PAINEL

A TABELA PERIÓDICA E OS ELEMENTOS DA VIDA (SAÚDE, ALIMENTAÇÃO E AMBIENTE)

(CPH1) Thermochemistry of indane derivatives: analysis of energetic effect of the amino, methoxy and hydroxyl substituents
M.D.M.C. Ribeiro da Silva, P.M.V. Gama, A.L.R. Silva

(CPH2) The health-promoting potential of *Salix* spp. bark: from the phenolic composition to the *in vitro* bioactivity
Ramos P A B, Moreirinha C, Santos S A O, Silva S, Coscueta E, Almeida A, Pintado M M, Freire C S R, Silva A M S, Silvestre A J D

(CPH3) Simple approach to the synthesis of a natural alkaloid – Cernumidine A
Rafael Rippel, Luísa M. Ferreira, Ana Lourenço, Paula S. Branco

(CPH4) Inhibiting metabolism and mitochondria-induced apoptosis in cancer cells: A structure-based virtual screening validation toward HK2 inhibitors
Sara N. Garcia, Rita C. Guedes, M. Matilde Marques

(CPH5) Synthesis and Analytical Applications of Glycerophospholipid Fluorescent Molecular Probes
Pedro A. M. M. Varandas, Alexander J. A. Cobb, Marcela A. Segundo, Eduarda M. P. Silva

(CPH6) Design of Silicon-Based Vitamin D Analogs
H. Gil, J. Loureiro, J.E. Rodríguez-Borges

(CPH7) Biomimetic approach to the synthesis of a singular and challenger pyrrolidine-guanidine core
Luís Pinheiro, Rafael Rippel, Flávia Leitão, Luísa M. Ferreira, Ana Lourenço and Paula S. Branco

(CPH8) Development of Torin2 Photo-Affinity Probes for Target Identification in *P. falciparum*
Jorge Grilo, Lara Fidalgo, Pedro Gonçalves, Charlie Saunders, Edward Tate, Rui Moreira, Miguel Prudêncio, Ana S. Ressurreição

(CPH9) Lithium determination in human serum with improved accuracy using potentiometric detection
R. Gil, M.C. Sarraguça, C.G. Amorim, M.C.B.S.M. Montenegro, A.N. Araújo

(CPH10) Activation of Natural Killer cells – targeting NKp30 with small organic ligands
Pedro F. Pinheiro, Gonçalo C. Justino, Joana P. Miranda, M. Matilde Marques

(CPH11) High-throughput screening of hydrochlorothiazide cocrystals by vibrational spectroscopy
Marisa Rodrigues, João Almeida Lopes, João L. Figueirinhas, Carlos Cruz, Alexandra Guedes, Mafalda Sarraguça

(CPH12) Development of a colorimetric immunosensor for *Toxoplasma gondii* serotyping
Susana Sousa, José Manuel Correia da Costa, Eulália Pereira

(CPH13) Carbon-Based Electrodes for Human Health Diagnosis: Detection of Stress Biomarkers in Sweat
Gabriel N. Valério, M. João Nunes, José J.G. Moura, Cristina M. Cordas

- (CPH14) A first storage study of yoghurt produced under pressure
Vieira Patrícia, Pinto Carlos A., Saraiva Jorge A., Lopes-da-Silva José A., Delgadillo Ivonne
- (CPH15) A naphthoquinones screening shows the ability of 5-hydroxy-1,4-naphthoquinone to modulate cytochrome *b₅* reductase activity
Gabriel N. Valério, Carlos Gutiérrez-Merino, Isabel Moura, José J. G. Moura, Alejandro K. Samhan-Arias
- (CPH16) Stress Biomarkers Detection Through Non-Invasive Methods
M. João Nunes, Gabriel N. Valério, José J.G. Moura, Cristina M. Cordas, Carlos Rouco, Gilda Santos, Ludwig Krippahl
- (CPH17) Unforeseen tandem Ullmann type C – N coupling and dehydrative cyclization of a thioxanthone and guanidine
Fernando Durães, Filipa Barbosa, Madalena Pinto, Emília Sousa
- (CPH18) Volatilomics skinprinting as an untargeted approach to identify putative biomarkers of neurodegenerative diseases
Beatriz Andrade, Jorge Pereira, José Câmara
- (CPH19) Computational study of polyoxometalates in catalysis of phosphodiester bond hydrolysis for medical applications as artificial phosphoesterases
Sanchez-Gonzalez A, Martins F F, Bandeira N, Calhorda M J, Lanuza J, Gil A
- (CPH20) Determination of nitrate and nitrite in human saliva with a specially designed microfluidic paper-based analytical device (μ PAD)
Francisca T. S. M. Ferreira, Raquel B. R. Mesquita, António O. S. S. Rangel
- (CPH21) Montelukast metabolic studies: a Mass Spectrometry approach
C. F. Marques, G. C. Justino, M. M. Marques
- (CPH22) New anti-inflammatory drugs: less, equal or more topical actions on membrane lipids?
Martins M, Nunes C, Reis S, Pereira-Leite C
- (CPH23) Amino Acids Profile for Assessing Serra da Estrela Cheese Producers
Andréia O. Santos, Soraia I. Falcão, Luísa Fontes, Ana C.A. Veloso, Edite T. Lemos, J. Reis Lima, António M. Peres, Luís G. Dias
- (CPH24) Ternary complexes of fluoroquinolones as promising metalloantibiotics
Mariana Ferreira, Lucinda J. Bessa, Paula Gameiro
- (CPH25) Anti-Candida Performance of gold and silver camphor imine complexes
Joana P. Costa, Maria Joana Pinheiro, Fernanda Marques, Nuno P. Mira, M Fernanda N N Carvalho
- (CPH26) Quality by design development of fusogenic magnetoliposomes
Soares F, Pereira-Leite C, Reis S, Nunes C
- (CPH27) Lewis Base Promoted Hydrosilylation of C=X Bonds with Pinacol-derived Chlorohydrosilane
Assoah B, Vale J. R, Veiros L. F, Candeias N. R.
- (CPH28) Cationic photosensitizers and protein inhibitors: finding new ways to target antimicrobial resistance
Rafael T. Aroso, Janusz M. Dabrowski, Barbara Pucelik, Grzegorz Dubin, Rita C. Guedes, Luis G. Arnaut, Mario J. F. Calvete, Mariette M. Pereira
- (CPH29) Synthesis of New Chemical Entities based on Tetrapyrrolic Macrocycles for Medical Imaging
S.M.A. Pinto, D.M.P Gomes, V.A. Tomé, M.J.F. Calvete, A.J. Abrunhosa, C.F.G.C Geraldés, M.M. Pereira
- (CPH30) *In vitro* cholinesterase inhibition of five medicinal plants
Catarina Gonçalves, Adriana Pereira, Cristina Delerue-Matos, Clara Grosso
- (CPH31) Unraveling Selectivity Issues in Palladium-catalyzed Quinoline N-Oxide C-H Activation
Frederico F. Martins, Paulo J. Costa, Maria José Calhorda
- (CPH32) Effect of Hyperbaric Storage on Blood Preservation
Ana P. Martins, Carlos A. Pinto, Álvaro T. Lemos, Jorge A. Saraiva
- (CPH33) Síntese de Potenciais Agentes Bimodais para Imagiologia Médica
Gomes DMP, Pinto SMA, Pereira MM.
- (CPH34) Spectrofluorimetric determination of iodine in urine samples with on-line UV photooxidation using a miniaturized analyzer chip in a multi-syringe flow system
Joana L. A. Miranda, Edwin Palacio, Raquel B. R. Mesquita, José M. Estela, Víctor Cerdà, António O. S. S. Rangel
- (CPH35) New fluorescing tools for detection of protein aggregation
R. Nunes da Silva, L. Fontes, M. Q. Alves, S. I. Vieira, J. Rocha, A. M. S. Silva, S. Guieu
- (CPH36) Dealing with copper stress - multicopper oxidases in pathogenic Grampositive bacteria
Barbara Gonçalves, Daniela S. Barreiro, Rita G. Sobral, Sofia R. Pauleta

- (CPH37) Hemoglobin-Acrylamide Adduct - a Spectroscopic Study
Joana N. Martins, André G. Favinha, Daniela S. Barreiro, Philip O'toole, Sofia R. Pauleta
- (CPH38) Spiropyrazoline oxindoles: Promising p53 pathway activators for the development of new anti-tumor drugs
Margarida Espadinha, Elizabeth Lopes, Joana D. Amaral, Cecília M. P. Rodrigues, Maria M. M. Santos
- (CPH39) Automated solid-phase extraction using a bead-injection lab-on-valve approach coupled to liquid chromatography and mass spectrometry for determination of tranexamic acid in urine
Sara R. Fernandes, Luisa Barreiros, Paula Sá, Manuel Miró, Marcela A. Segundo
- (CPH40) Synthesis of New Hetero-Arylidene-9(10*H*)-Anthrone Derivatives and Biological Evaluation as Antiproliferative Agents
Gabriela Malta, Catarina Roma-Rodrigues, Daniela Peixoto, Luísa M. Ferreira, Pedro V. Baptista, Alexandra R. Fernandes, Paula S. Branco
- (CPH41) Synthesis of porphyrin-peptide conjugates by copper(I)-catalysed azide alkyne cycloaddition
Rodrigo P. Monteiro, José Almeida, Cátia Teixeira, Paula Gomes, Maria Rangel, Baltazar de Castro, Ana M.G. Silva
- (CPH42) Ohmic heating approach to pyridyl and *N*-methylpyridinium analogues of rosamines: photophysical properties and behavior towards ethanol
Andreia Leite, Luís Cunha-Silva, Maria Rangel, Ana I. M. C. Lobo Ferreira, Luís M. N. B. F. Santos, Inês C. S. Cardoso, Vera L. M. Silva, Ana M. G. Silva
- (CPH43) In silico studies towards new BACE-1 inhibitors
Maia M., Palmeira A., Resende D., Sousa E., Kiss L.
- (CPH44) Exploratory assesement of carbonylative Suzuki coupling for the synthesis of benzophenones
Daniela R. P. Loureiro, Ana Maia, José X. Soares, Álvaro F. Magalhães, Carlos M. G. Azevedo, Salette Reis, Carlos M. M. Afonso, Madalena M. M. Pinto
- (CPH45) Fluorescent Boronic Acid Salicylidenehydrazone (BASHY) complex for studying lipid droplets influence on drug effectiveness
Silvia Baldo, Fabio M. F. Santos, Catia Parente Carvalho, S. N. Pinto, F. Fernandes, Pedro M. P. Gois
- (CPH46) Metal Catalysed Regioselective Esterification of Sucrose: A Library of Phenylpropanoic Esters Against Cancer
Luís Filipe, Krasimira Petrova
- (CPH47) Fighting HIV-1 infection: a novel poly(alkylidenamine)-based dendrimer as a potential microbicide
Dina Maciel, Carlos Guerrero-Beltrán, Rafael Ceña-Diez, Helena Tomás, M. Ángeles Muñoz-Fernández, João Rodrigues
- (CPH48) A metabolomics-inspired workflow for MS drug metabolism studies
Marques CF, Pinheiro PF, Oliveira MC, Marques MM, Justino GC
- (CPH49) Xanthene-based optical sensor for metal ions type M(II)
Carla Queirós, Jéssica Oliveira, Andreia Leite, Paula Gameiro, Maria Rangel, Ana M. G. Silva
- (CPH50) The quest for new antibiotics: synthesis of potential DNA gyrase inhibitors
Zoe A. Arnaut, Rafael T. Aroso, Rita C. Guedes, Sara Pinto, Mariette M. Pereira
- (CPH51) Quantification of salivary magnesium using a microfluidic paper based analytical device (μ PAD)
Mafalda T. S. Silva, Juliana I. S. Aguiar, Raquel B. R. Mesquita, António O. S. S. Rangel
- (CPH52) New inhibitors for Matrix Metaloproteinases for dental resins
Helena Laronha, Inês Carpinteiro, Jaime Portugal, Ana Azul, Mário Polido, Krasimira T. Petrova, Jorge Caldeira
- (CPH53) Development of Bionanosensors for the Diagnosis of Infectious Diseases using the Phage Display Technology
Helena Chá-Chá, Mariana Vieira, João Rodrigues, Helena Tomás, Helena Caldeira
- (CPH54) Synthesis, characterization and antifungal activity of a new caffeine-based Nickel NHC
Giulia Francescato, Maria Inês P.S. Leitão, Ana Petronilho
- (CPH55) New BODIPYs for photodynamic therapy on human lung cancer cells
Soraia Pedro, Mafalda Laranjo, António Aguiar, Maria Filomena Botelho, Abílio J. F. N. Sobral
- (CPH56) New ϵ -Caprolactam and γ -Lactam-Derived Amines as acetylcholinesterase inhibitors
Daniela Peixoto, Rita Jesus, Maria Viana, Alice S. Pereira, Luísa M. Ferreira, Paula S. Branco
- (CPH57) Synthetic approaches to 3-substituted 1*H*-pyrazole-5-carbaldehydes as precursors for antineoplastic inhibitors
André F. S. Luz, Rita C. Guedes, Lígia C. Gomes-da-Silva, Rui Moreira
- (CPH58) *N*-Heterocyclic Carbenes Based on mRNA-Caps: Synthesis and Antiproliferative Activity
Fulvia Trapani, M. Inês P. S. Leitão, F. Herrera, Ana Petronilho

- (CPH59) Small molecule pharmaceutical salts or co-crystals: insights from NMR Crystallography
Mariana Sardo, João Rocha, Luís Mafra
- (CPH60) Driving ferulic acid to the small bowel by desorption from resin
Gonçalo N. Martins, Vítor Spínola, Paula C. Castilho
- (CPH61) Development of a coffee substitute beverage with benefits for elderly population
Cristina Soares, Ana Almeida, Ana Barros, Maria Sousa, Helena Correia, Stephanie Morais, M. Fátima Barroso, Paula Paíga, Florinda Martins, Cristina Delerue-Matos, Clara Grosso
- (CPH62) Novel Biosensor Based on Acetylcholinesterase/Poly(Neutral red) – Deep Eutectic Solvent/Fe₂O₃ Nanoparticles Modified Electrode for Acetylcholine Determination, a Neurotransmitter in Alzheimer's disease
Wanderson da Silva, Ana Carolina Queiroz, Christopher M.A. Brett
- (CPH63) Synthesis and Evaluation of Benzoic Acid Derivatives as Prodrugs for the Treatment of Tuberculosis
Raquel Freire, David Pires, Nuno Carmo, João Pedro Pais, Teresa Pamplona, Elsa Anes, Ana P. Francisco, Luís Constantino
- (CPH64) Prospective epigenetic inhibitors in cancer: Design and biological evaluation
Filipa Ramilo-Gomes, Sharon D. Bryant, Riccardo Martini, Thierry Langer, Sheraz Gul, Oliver Keminer, Luís Sobral, M. Matilde Marques, Rita C. Guedes
- (CPH65) Design and synthesis of new triazene anticancer hybrid compounds
Serra S, Mendes E, Francisco AP
- (CPH66) Synthesis of cyanovinylquercetin derivatives with potential biological activity
Sónia Pires, Augusto C. Tomé, Artur M. S. Silva
- (CPH67) Synthesis of new *N*-glycosylated flavonoid derivatives with potential anti-inflammatory action
Cátia I. C. Esteves, Artur M. S. Silva
- (CPH68) New anticancer metallodrugs
L. Monteiro, A. Gomes, R. Mendes, F. Paz, C. Silva, F. Martel, B. J. M. Leite Ferreira, T. M. Santos
- (CPH69) Development of a synthetic route towards *N*⁴,*N*⁹-disubstituted 4,9-diaminoacridines: On the way to multi-stage antimalarials
Mélanie Fonte, Natália Fagundes, Ana Gomes, Ricardo Ferraz, Cristina Prudêncio, Maria J. Araújo, Paula Gomes, Cátia Teixeira
- (CPH70) A new approach to obtaining active drugs against Tuberculosis. Mycobacterial esterase-activated co-drugs
Margarida Policarpo, Ana R. Pratas, David Pires, Nuno Carmo, João P. Pais, Elsa Anes, Ana P. Francisco, Luís Constantino
- (CPH71) Synthesis of polyhydroxychalcones and flavones
Catarina Correia, Vera L. M. Silva, Artur M. S. Silva
- (CPH72) Meropenem-based Ionic Liquids and Salts as anti-microbial agents
Dário Silva, Zeljko Petrovski, Luís Raposo, Miguel M. Santos, Pedro V. Baptista, Alexandra Fernandes, Luís C. Branco
- (CPH73) Fluoride: recent perspectives on the health effects caused by excessive exposure to this periodic table element
Nelson A. F. Silva, Hugo. F. A. Silva, Manuel J. Matos
- (CPH74) Synthesis, Pharmacological and Biological Evaluation of PLG Picolinoyl Peptidomimetics as Positive Allosteric Modulators of D₂ Receptors
I.E. Sampaio-Dias, S.C. Silva-Reis, X. García-Mera, J.E. Rodríguez-Borges
- (CPH75) Synthesis and Reactivity of Steroidal 1-Azadienes towards Carbonyl Compounds under Enamine Catalysis
Joana R. C. Santos, Susana M. M. Lopes, Teresa M. V. D. Pinho e Melo
- (CPH76) Building an enzymatic reactor towards a finer *in vitro* drug metabolism model
Rosado PC, Marques CF, Pinheiro PF, Justino MC, Marques MM, Justino GC
- (CPH77) New Pyrazolylquinolones: Synthesis and Antioxidant Activity
Pedro M. O. Gomes, Sofia A. P. Silva, Susana M. Cardoso, Artur M. S. Silva, Raquel S. G. R. Seixas, Vera L. M. Silva
- (CPH78) Study of the effect of chronic kidney disease on urea and ammonia levels in saliva using a sequential injection system with potentiometric detection
Carolina F.F.A. Costa, Yanisa Thepchuay, Benedita Sampaio-Maia, Raquel B.R. Mesquita, Duangjai Nacapricha, António O.S.S. Rangel
- (CPH79) Royleanone derivatives from *Plectranthus* spp. as new P-glycoprotein inhibitors
Vera M.S. Isca, Epole Ntungwe, Joana F. Almeida, Inês M. Ferreira, Raquel Pereira, Jelena Dinic, Filipa Siopa, Ricardo J. Ferreira, Milica Pesic, Daniel J.V.A. dos Santos, Carlos A.M. Afonso, Patrícia Rijo

- (CPH80) iLIQUID4Malaria – synthesis, physico-chemical properties and antimalarial activity of new organic salts derived from antimalarial drugs and fatty acids
Ana Teresa Silva, Joana Gomes, Cátia Teixeira, Cristina Prudêncio, Ricardo Fernandes, Eduardo F. Marques, Paula Gomes, Ricardo Ferraz
- (CPH81) A green synthesis of a spirooxadiazoline oxindole chemical library
Raquel Mestre, Elizabeth A. Lopes, Maria M. M. Santos
- (CPH82) Synthesis of tetraoxane-pyrimidine hybrids with potential inhibitory activity in liver stage malaria parasites
Rúben Coutinho, Rui Moreira, Rita Capela
- (CPH83) (Photo)switchable azaaurones: antimycobacterial activity and metabolic reactivity
Campaniço A., Perdigão J., Portugal I., Moreira R., Lopes F.
- (CPH84) The influence of metal core in the formation and stability of G-quadruplex/porphyrin adducts
Catarina IV Ramos, Ana R Monteiro, Nuno MM Moura, M. Graça PMS Neves
- (CPH85) Development of serine-derived surfactant liposomes for the sustained delivery of doxorubicin into cancer cells
Raquel C.F.G. Lopes, Óscar S. Silvestre, Ana R. Faria, Sandra G. Silva, M. Luísa C. Vale, Jana B. Nieder, Eduardo F. Marques
- (CPH86) Ionic Liquids and Organic Salts from Active Pharmaceutical Ingredients
M. M. Santos, I. R. Grilo, S. Teixeira, L. R. Raposo, N. Inácio, L. Pinheiro, Z. Petrovski, R. Sobral, M. H. Fernandes, J. C. Rodrigues, A. R. Fernandes, P. V. Batista, L. C. Branco
- (CPH87) Microwave-assisted synthesis of 2-benzylchromones and further structural functionalization.
João A. Pacheco, Carlos F. M. Silva, Diana C. G. A. Pinto, Artur M. S. Silva
- (CPH88) *N*-Acetylgalactosamine Mimetics Towards Protein-Protein Interaction in Alzheimer's Disease
João Manuel de Barros, David Evans, Nicolas Dreyfus, Gary Sharman, Amélia P. Rauter
- (CPH89) Effect of high pressure processing on a functional acorn beverage
Rita Sardão, Elisabete M. C. Alexandre, Renata Amaral, Jorge A. Saraiva, Manuela Pintado

COMUNICAÇÕES EM PAINEL

A TABELA PERIÓDICA E OS ELEMENTOS DA VIDA (SAÚDE, ALIMENTAÇÃO E AMBIENTE)

- (CPF1) High pressure processing, a non-thermal technology affecting potato tuber quality
Cátia Dourado, Carlos Pinto, Jorge A. Saraiva
- (CPF2) Physical and Chemical characterization of anthocyanins from Purple-Fleshed Sweet Potato
Patrícia Correia, Hélder Oliveira, Victor de Freitas, Nuno Mateus, Iva Fernandes
- (CPF3) Effect of high pressure processing on raw dairy cream
Fernanda Machado, Ricardo V. Duarte, Jorge A. Saraiva, Susana Casal, José A. Lopes-da-Silva
- (CPF4) Perfil fenólico e atividade citotóxica dos diferentes constituintes da *Cynara Cardunculus* L. var. *altilis*
Filipa Mandim, Ângela Fernandes, Maria Inês Dias, Ricardo C. Calhelha, Spyridon Petropoulos, Celestino Santos-Buelga, Lillian Barros, Isabel C.F.R. Ferreira
- (CPF5) Avaliação das propriedades bioativas dos frutos de *Solanum melongena* L.
Gabriel Silva, Eliana Pereira, Lillian Barros, Isabel C.F.R. Ferreira
- (CPF6) Plant-based FOS and GOS: So easy, yet so difficult
Onofre Figueira, Gonçalo N. Martins, Paula C. Castilho
- (CPF7) Antimicrobial peptides as potential alternatives to prevent food spoilage
Maksym Povkhanych, Maria Teresa Amorim, Ricardo Ferraz, Cristina Prudêncio, Paula Gomes, Cátia Teixeira
- (CPF8) Development of an improved analytical approach, US-QuEChERS_{dsPE}/UHPLC-PDA, to quantify pesticide residues in potatoes
Débora Reis, Pedro Silva, Rosa Perestrelo, José Sousa Câmara
- (CPF9) Hyperbaric Storage of Raw Fresh Meat from a Microbiological Point of View
Mauro D. Santos, Ivonne Delgadillo, Jorge A. Saraiva
- (CPF10) On-line HPLC-DPPH screening method for evaluation of radical scavenging phenols extracted from *Moringa oleifera* leaves
Daniel O. Carvalho, Fazia Braham, Cláudio M.R. Almeida, Farid Zaidi, Júlia M.C.S. Magalhães, Luís F. Guido, Maria P. Gonçalves

(CPF11) Determination of antioxidants and total polyphenols in cabbages (*Brassica oleracea*) irrigated with wastewater contaminated with toxic metals.

Hugo F.A. Silva, Nelson A.F. Silva, Maria Paula Robalo, José Coelho, Cristina M. Oliveira, Manuel J. Matos

(CPF12) Effect of contaminated water with toxic metals in cabbage (*Brassica oleracea*) growth rate

Manuel J. Matos, Hugo Félix Silva, Nelson A.F. Silva

(CPF13) Analysis and discrimination of magic mushrooms by ATR-IR and chemometrics

Cátia Esteves, Fernando Ortega-Ojeda, Gemma Montalvo, Filipe Antunes

(CPF14) Matrizes vegetais de interesse cosmético e alimentar: casos de estudo com *Aloe vera* (*Aloe barbadensis* Mill.) e *haskap* (*Lonicera caerulea* L.)

A.K. Molina, E.N. Vega, M. Añibarro-Ortega, C. Pereira, J. Pinela, M.I. Dias, L. Barros, I.C.F.R. Ferreira

(CPF15) Otimização do processo de extração utilizando folhas de *Ocimum basilicum* var. *purpurascens* para a obtenção de um ingrediente corante

Filipa A. Fernandes, Eliana Pereira, Miguel A. Prieto, Ricardo C. Calhelha, Ana Círić, Marina Soković, Jesus Simal-Gandara, Lillian Barros, Isabel C. F. R. Ferreira

COMUNICAÇÕES EM PAINEL

A TABELA PERIÓDICA E OS ELEMENTOS DA VIDA (SAÚDE, ALIMENTAÇÃO E AMBIENTE)

(CPEV1) Low-temperature Thermodynamic Study of the Empty Clathrate Hydrates

Fernando J.A.L. Cruz, Saman Alavi, José P.B. Mota

(CPEV2) Urban Mines – Sustainable Resources of Rare and Precious Metals

Ana Paula Paiva

(CPEV3) Searching for sustainable exploitation of *Lupinus albus* L. in Portugal

A. Quintino, M.J.F. Sousa, A. Galvão, Marta Marques, P. Máximo, L. Branco, J. Joanaz de Melo, P. Simões, S. Barreiros, A. Lourenço

(CPEV4) Synthesis and Anion Complexation by Fluorescent Hexahomotrioxacalix[3]arene Receptors

Alexandre S. Miranda, Paula M. Marcos, José R. Ascenso, Mário Nuno Berberan-Santos

(CPEV5) Photodegradation as a sustainable process for the removal of antibiotics from aquaculture effluents

Vitória Louros, Carla P. Silva, Marta Otero, Helena Nadais, Valdemar I. Esteves, Diana L.D. Lima

(CPEV6) Chromium(VI) removal from wastewater of the tannery industry by PABA-MCM-41 functionalized mesoporous material

José Arnaldo S. Costa, V. C. Costa, E. R. Pereira-Filho, J. F. Mano, C. M. Paranhos

(CPEV7) Development of Electrochemical Genosensors for the Detection of Toxic Dinoflagellate *Alexandrium* spp.

Stephanie L. Morais, Piedade Barros, Marlene Santos, Cristina Delerue-Matos, Andreia Castro Gomes, M. Fátima Barroso

(CPEV8) Theoretical study of the $O(^1D) + H_2O(X^1A_1)$ reaction

Wenli Wang, Carolina M. A. Rio, César Mogo, Daniela V. Coelho, João Brandão

(CPEV9) Electrochemical Biosensor for Bisphenol A Determination

Iria Bravo, Mariana Prata, Cristina Delerue-Matos, Encarnación Lorenzo, Simone Morais

(CPEV10) The termolecular reaction $H + O_2 + M \rightarrow HO_2 + M$

João Brandão, Wenli Wang, César Mogo, Daniela Coelho, Carolina M. A. Rio

(CPEV12) Preparation of highly porous nanofibers of cobalt-cerium bimetallic oxides and use as catalysts for CO₂ valorization

Fábio Vieira, Ana C. Ferreira, Joaquim B. Branco

(CPEV13) Metoprolol photodegradation products in the presence of natural fulvic acids (FA) or porphyrins: identification by HPLC-UV-MSⁿ

Cláudia M.B. Neves, Olga M.S. Filipe, Nuno Mota, Sónia A.O. Santos, M. Rosário M. Domingues, Armando J.D. Silvestre, M. Graça P.M.S. Neves, Eduarda B.H. Santos, Mário M.Q. Simões

(CPEV14) Removal of pirimicarb pesticide from aqueous solutions by adsorption onto chestnut shells

Tiago Fernandes, Manuela M. Moreira, Francisca Rodrigues, Sónia Figueiredo, Cristina Delerue-Matos

(CPEV15) A new route to product hydrocarbon from free fatty acids

Deise Morone Perígolo, Paulo Henrique de Carvalho, Vivian Andrade Luciano, Maria Helena de Araújo, Rochel M. Lago

- (CPEV16) Optimization of ultrasound-assisted extraction parameters of antioxidant compounds from Portuguese vine canes
Olena Dorosh, Manuela M. Moreira, Francisca Rodrigues, Andreia F. Peixoto, Cristina Freire, Cristina Delerue-Matos
- (CPEV17) Catalytic wet peroxide oxidation of caffeine over functionalized biochar materials developed from compost obtained from municipal solid waste
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(CPN6) Star-shaped gold nanoparticle interfaces for improved protein direct electrochemistry
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(CPN8) A theoretical-experimental study of the electronic and photophysical properties of Gd-complexes with different halogen-substituted DBM-C α ligands

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