List of Communications

Plenary Lectures

PL1	C. Oliver Kappe, *Going with the flow – The use of continuous processing in organic synthesis*
PL2	Ana B. Cuenca, *New reactions and structures involving main group elements: from hypervalent iodane rearrangements to novel borylated skeleto*
PL3	Edward Tate, *Chemical biology for drug discovery*
PL4	Oliver Trapp, *Asymmetric autocatalysis and its implications for symmetry breaking and homochirality*
PL5	Maria Méndez Pérez, *Structure based identification of novel albumin binders for half-life extensions of proteins and peptides*
PL6	Rosario Fernández Fernández, *Development of new catalytic systems. Applications in asymmetric catalysis*
PL7	Artur M. S. Silva, *Biologically active xanthone and chromone-type compounds and their aza-analogues*

Keynote Lectures

KN1	Patrícia S. M. Amado, *Design, synthesis and in vitro evaluation of a series of endoperoxide hybrids designed to tackle latent tuberculosis*
KN2	João P. C. Tomé, *Designing bioconjugates and nanomaterials for enhanced photodynamic therapy*
KN3	Marta Pineiro, *Mechanochemistry: in search of sustainable methods for the synthesis of heterocycles*
KN4	M. Alice Carvalho, *Pyrimido[5,4-d]pyrimidines as new tools to tackle old problems: vector-borne parasitic diseases*
KN5	Paula Gomes, *When less is more: downsizing peptide-ionic liquid conjugates delivers new candidates for topical treatment of skin infections*
KN6	Nuno M. M. Moura, *β-Modifications of meso-arylporphyrins: a roadmap to targeted applications*
KN7	Carolina Marques, *Oxindole-small-molecule hybrids in complex diseases*
KN8	Paulo J. Coelho, *New dual-color photoinitiators derived from photochromic naphthopyrans for 3D printing*
KN9	Uwe Pischel, *The BASHY dye platform as theranostic tool – from bioimaging to photodynamic therapy*
KN10	Samuel Silvestre, *(Thio)barbiturates combined with fatty acids with potential interest against prostate cancer*
KN11	M. Manuel B. Marques, *C-N and S-N bond formation via hypervalent iodine reagents: the missing link*
KN12	Anthony J. Burke, *The Évora-Coimbra rearrangement: Tales from two (cities) labs*
KN13	Luísa M. Ferreira, *Development of synthetic methodologies to obtain dicarboxymethyl cellulose with differentiated structure and properties*
KN14	Francisca Lopes, *Uncovering novel chemotypes targeting the mycobacterial energy metabolism as a strategy to control tuberculosis*
KN15	Mariette M. Pereira, *Perspectives on catalytic continuous flow process in fine chemical industry*

KN16	M.R. Ventura, *A novel functional assay for the discovery of new drug targets in mycobacteria*
KN17	Jaime A. S. Coelho, *Electroorganic oxidation of biorenewable resources into functionalized products*

Sponsor Oral Communication

SOC	**Marta Da Piana, *The Elsevier's Chemistry Ecosystem***

Oral Communications

OC1	Ana C. Fernandes, *Plastic depolymerization using commercially available Mo, Zn, Mn catalysts*
OC2	Ricardo A. L. S. Santos, *Active polymeric filtration membranes with siderophore for iron(III) removal from aqueous systems*
OC3	Mariana Crespo Monteiro, *Pd-Catalyzed cycloaddition of bicyclic aziridines with isocyanates for imidazolidinone synthesis*
OC4	Joana Oliveira, *The chemistry of malvidin 3-O-glucoside and malvidin 3,5-O-diglucoside networks from acidic and basic paradigms. The irreversible reactions.*
OC5	Maria I. L. Soares, *Lewis base-catalyzed reactions of chromans and allenoates: Access to structurally diverse chroman frameworks*
OC6	Raquel M. Durão, *Easy access to functionalized sparteine via electrochemical cyanation in batch and in flow of quinolizidine alkaloids*
OC7	Vítor A. S. Almodôvar, *Synthesis of new conjugated elongated tryptanthrin derivatives for optoelectronic devices*
OC8	Ricardo J. F. Ferreira, *Wild-type p53 modification by a tryptophanol-derived oxazoloisoindolinone*
OC9	Milene A. G. Fortunato, *Sphaerococcenol A: Extraction, analogue synthesis, and antitumor assays*
OC10	Nádia Ribeiro, *Study of the action of a tryptophan metabolite, 8-hydroxyquinoline-2-carboxylic acid, and its Ga(III) complex on microbiota exposed to ionizing radiation*
OC11	Susana P. G. Costa, *Incorporation of unnatural alpha,alpha-dialkylglycines in polymyxins: synthesis and characterization*
OC12	Pedro Rosado, *Searching novel therapeutic targets against MRSA: a mass spectrometry multi omics approach*
OC13	Luís Cruz, *Layer-by-layer supramolecular assembly of alginate/pyranoflavylium-modified chitosan acidochromic biomembranes*
OC14	Luis C. Branco, Pharmaceutical ionic (nano)systems: a sustainable approach for infection diseases
OC15	Elisa M. Brás, *Radicals at very low temperatures: Monitoring reactions and interactions through IR spectroscopy*
OC16	Ana C. Amorim, *Revealing the potential of phthaloperinones as key optoelectronic components for electronic devices*
OC17	Vera L. M. Silva, *Synthesis of C-glycosyl quinolones, acridones and related compounds: Classical versus ohmic heating conditions*

OC18	Joana C. Lopes, *Efficient visible-light-driven imines synthesis using carbon nitride photocatalyst*
OC19	João Sarrato, *Furan-based asymmetric diketopyrrolepyrrole dyes: Optimization of acceptor unit for Dye-Sensitized Solar Cells*
OC20	Vasco D. B. Bonifácio, *Mechanosynthesis of chiral oligosulfides by inverse vulcanization*
OC21	Késsia H. S. Andrade, *Photocatalytic oxidation of bio-based heterocyclic compounds*
OC22	José P. Da Silva, *Degradation products of plastic polymers as markers of microplastics*
OC23	Sara R. D. Gamelas, *Bioorthogonal pretargeting for anchoring photoactive BODIPY on the plasma membrane of HER2+ gastric tumours*
OC24	Rita A. M. Barros, *Graphitic carbon nitride: new support for glucose oxidase immobilisation towards cancer therapy*
OC25	Catarina I. V. Ramos, *Blocking replication of tumour cells with G-quadruplex DNA stabilizing ligands*
OC26	Vera M. S. Isca, *Exploring the cytotoxic diterpenoid 7α-acetoxy-6β-hydroxyroyleanone from Plectranthus spp. as a PKC-α activator for breast cancer therapy*
OC27	Israa Aljnadi, *Inhibition of G4-helicase interactions: A promising approach for cancer targeting therapy*
OC28	Eurico Lima, *High"light"ing dansylpiperazino-functionalized squaraine dyes for enhanced anticancer photodynamic purposes*
OC29	Carolina V. Domingos, *Shining against resistance: Photodecontaminant materials for inactivation of bacteria*
OC30	Bruno Medronho, *On the development of novel cellulose derivatives for microplastic flocculation*
OC31	Daniela Malafaia, *Recent insights on the multifunctional scaffold of chromeno[3,4-b]xanthone derivatives against Alzheimer's disease*
OC32	Maria-João R. P. Queiroz, *Synthesis of 3-(arylamino)thieno[3,2-b]pyridines and evaluation of their neuroprotective activity on transgenic C. elegans for Machado-Joseph disease*
OC33	Inês S. Martins, *Electrochemical oxidation of abietanes using continuous-flow*
OC34	Paulo R. S. Salbego, *Uncovering the origins of supramolecular similarity in a series of benzimidazole structures*
OC35	Madalena F. C. Silva, *Synthesis of amphiphilic di-cationic imidazolyl porphyrins for photoinactivation of bacteria*
OC36	Rafael F. A. Gomes, *Nitrogen rich biomass furanics – synthesis and applications*
OC37	Joana R. M. Ferreira, *Chan-Lam reaction of arylvinyl boron reagents with (hetero)aromatic amines: application in the synthesis of N-heterocycles*
OC38	João R. Vale, *Total synthesis of marine natural product (-)-agelastatin A: Biological evaluation of N3-alkylation*
OC39	Rita P. Lopes, *The neurotoxic effects of emerging synthetic cathinones and its metabolites: the role of metabolism*
OC40	Joana P. Costa, *Towards therapeutical applications of camphorimine Ag(I) and Au(I) complexes*
OC41	Leandro M. O. Lourenço, *Antimicrobial evaluation of water-soluble pyrazole-pyridinium zinc(II) phthalocyanines: A promising approach for microorganism eradication*

OC42	Diana I. S. P. Resende, *Bacterial siderophores – iron thievery weapons in environmental research*
OC43	Francisca Carvalhal, *Promising antiviral small molecules: from in silico studies to effects on cellular infection and cytotoxicity*
OC44	Gonçalo C. Justino, *Unveiling the COVID impact on biochemical pathways through an integrated omics expedition towards preparedness*
OC45	Gonçalo P. Rosa, *Exploring the hyaluronidase inhibitory activity of phytosterol derivatives*

Poster Communications

P1	Rodrigo Barriga, *TIGIT/PD-L1 dual inhibition: finding small molecules to fight cancer*
P2	Mélanie Fonte, *Cinnamic acid-acridine hybrids as multi-stage antiplasmodial leads*
P3	M.V. Rodrigues, *Development of AI-2 chemical probes for the identification and characterisation of novel AI-2 receptors*
P4	João C.S. Simões, *Novel trans-A2B2 porphyrins: from oxime/hydrazone α-substituted dipyrromethanes to meso-substituted functionalized macrocycles*
P5	Ana Margarida Janeiro, *Using the Passerini multicomponent reaction as a tool to access small-libraries of oxindole-type hybrids as promising anticancer agents*
P6	Lúcia Melo, *Building novel amyloid probes featuring D-A-D architectures*
P7	Ana Teresa Silva, *"Seasoning" antimalarial drugs action: chloroquine bile salts as novel triple-stage antiplasmodial hits*
P8	Iago C. Vogel, *Quinic acid: A new framework for α-glucosidase inhibitors*
P9	Gonçalo F. Oliveira, *Synthesis and functionalization of non-symmetrical N-alkyl diketopyrrolopyrroles*
P10	Américo J. S. Alves, *Continuous flow phosphine-catalyzed [3+2] annulation of allenoates: Towards efficient synthesis of chiral spirocyclopentene-penicillanates*
P11	Pedro Sobral, *Novel semisynthetic A-ring-cleaved glycyrrhetinic acid derivatives as potential anticancer agents*
P12	Rita I. Oliveira, *Towards the discovery of novel ubiquitin specific protease 7 (USP7) Inhibitors: an integrated protocol of pharmacophore modelling and virtual screening*
P13	D. Nunes, *Antituberculosis agents multitargeting the electron transport chain of Mycobacterium tuberculosis*
P14	C. Henriques, *Pharmacokinetic profile of selenochrysin: a promising anticancer scaffold*
P15	Paula M. Marcos, *Hexahomotrioxacalix[3]arene-based receptors containing naphthalene, anthracene and pyrene fluorophores*
P16	Catarina A. Montargil, *Synthesis of isatin-based macrocycles for treating Alzheimer's disease*
P17	Raquel Eustáquio, *Inexpensive small molecules as promising fluorescent labels for biomolecules*

P18	Diana C. G. A. Pinto, *Lipophilic profile of the Salicornia alpini growing in different salt marshes of the Ria de Aveiro*
P19	Vânia M. Moreira, *Design and synthesis of 12-thiazole abietanes as selective inhibitors of the human metabolic serine hydrolase hABHD16A*
P20	Inês C. C. Costa, *Amplifying the library of thio-linked pyrimidine-based conjugates*
P21	Manuel J. Verganista, *Iron-catalysed transfer hydrogenation of shikimic acid derivatives*
P22	Patrícia Rijo, *Halimane derivatives from Plectranthus ornatus Codd. demonstrate anti-cancer activity*
P23	B. Bahls, *c-MYC G-quadruplex stabilization by 5-amino-8-chloro-11H-indolo[3,2-c]isoquinoline derivatives: in vitro and in silico studies*
P24	J. da Cunha, *Synthesis of sulfonamides via electrophilic amination mediated by hypervalent iodine(III) reagents*
P25	Josélia C. Sousa, *Mechanochemistry: a way to improve sustainability of furans' transformations*
P26	Daiane N. Maronde, *Synthesis and characterization of mono- and di-aminopyrazine precursors for the preparation of zinc(II) phthalocyanine derivatives*
P27	Maria F. Martins, *Synthesis of Sonogashira coupling products in the thieno[2,3-b]pyrazine series and cyclizations to tricyclic lactones*
P28	João R. Costa, *Biocatalytic approach for sustainable esterification*
P29	Maria B. V. Moura, *Multicomponent synthesis of chiral spiro-oxindoles-hydantoins for leishmaniasis treatment*
P30	V. Maciel, *Synthesis and computational modelling of naturally occurring sucrose-based phytochemicals as lead pharmaceutics*
P31	Ana C.S. Veríssimo, *Valorization of thistles from Beira Baixa through the study of the biochemical profile and potential bioactivities*
P32	Nádia E. Santos, *Ru-HKUST: Combining the drug loading and release ability of metal-organic frameworks (MOFs) with ruthenium*
P33	Maria Graça P. M. S. Neves, *Antimicrobial potential of nitrogen-substituted Zn(II)-porphyrins as photosensitizers against Staphylococcus aureus*
P34	M. M. M. Raposo, *Biological activity of bis(indolyl)methanes functionalized with different hetero(aromatic) moieties*
P35	P. Almeida, *Exploring novel anticancer agents by the coupling of (thio)barbiturates with mono- and trimethinecyanine dyes*
P36	L. Pinheiro, *Synthesis of floridoside phosphotriesters*
P37	João Braz, *Oxime-functionalized trans-A2B-corroles as promising photosensitizers for photodynamic therapy of lung cancer*
P38	Lara Mingatos, *Synthesis of carvone derivatives and screening of anti-inflammatory activity*
P39	V. Ledesma-Martin, *Structure and ligand-based strategies to discover novel orexin receptor modulators: targeting the circadian clock and Alzheimer's disease*

P40	Emília Sousa, *Novel synthetic cinnamic acid-flavonoid hybrids with multifunctional properties*
P41	Diana L. Assis, *Revolution in neuroscience: Innovating Alzheimer's treatment with photoswitchable molecules*
P42	Flávia Leitão, *Quinonemethides: Synthesis and electrochemical studies of potential new organic redox mediators*
P43	Latimah Bustillo, *Exploration of electrocatalytic reactivity using electrochemistry in combination with computational tools*
P44	Susana M. M. Lopes, *Hetero-Diels-Alder reactions of a novel steroidal nitrosoalkene*
P45	M.B. Antunes, *Light driven modifications in quinic acid derivatives*
P46	Tiago G. Paiva, *Novel methodologies for dicarboxymethyl cellulose preparation*
P47	A. Varges, *Substituted carbocyanine dyes: synthesis and antiproliferative evaluation*
P48	I. Carvalho, *Decoding drug targets: An innovative strategy for protein binding pocket exploration*
P49	Joana F. D. Duarte, *Optimization of enzymatic kinetic resolution for scale-up production of (-)- agelastatin A*
P50	Inês Falcato Santos, *Photochemical cysteine modification*
P51	Filipe G. A. Estrada, *Reaching important objectives in the difficult fight against lung cancer: a knowledgeable in silico strategy*
P52	Camila Q. V. Costa, *Photodegradation of microplastics: Role of adsorbed contaminants*
P53	Inaiá O. Rocha, *Synthesis and optical properties of 2-(((4-(trifluoromethyl)quinolin-6-yl)amino)methyl)phenols*
P54	M. Matias, *(Thio)barbiturate-dehydroepiandrosterone hybrids with potential anticancer properties: Synthesis, biological evaluation and pharmacokinetic predictions*
P55	M. Amparo F. Faustino, *Exploring the reactivity of β-vinylporphyrins with α,α'-dioxothione*
P56	Ivo E. Sampaio-Dias, *Synthesis and structural analysis of cyclic aza-amino acid derivatives for the assembly of azapeptides*
P57	Marta Correia-da-Silva, *Environmental benign antifouling agent, developed employing the tactics of medicinal chemistry, moved to "clinical" trials*
P58	Maria M. M. Santos, *Mechanistic insights on the reactivation of wild-type activity of mutants p53 by tryptophanol-derived small molecules*
P59	Custódia Fonseca, *Compounds with biological activities on Ca^{2+}-ATPases*
P60	Daniel Raydan, *Practical palladium-catalyzed switchable access to imines and amines from secondary alcohols*
P61	Anja Udundzic, *Identification of bacterial strains competent in biodegrading carbamazepine, diclofenac, and 17-α-ethinylestradiol–preliminary results*
P62	Terver J. Sase, *Novel chiral organocatalysts for the asymmetric synthesis of 2-(tetrazol-5-yl)-2H-azirines*

P63	Cristiano A. Conceição, *Exploring a novel functional assay for investigating the efficacy of anti-tuberculosis drugs targeting arabinofuranosyltransferases*
P64	Carina J. N. Caires, *Photocatalytic transformations of quinic acid*
P65	Bruno C. Guerreiro, *Pyridyl-saccharinates: synthesis, structure and chelating properties*
P66	Luísa M. Ferreira, *Development of synthetic methodologies to obtain dicarboxymethyl cellulose with differentiated structure and properties*
P67	Oliviero Cini, *Innovative probes for imaging tumor-associated cathepsins through Positron Emission Tomography (PET)*
P68	M. Margarida Martins, *One-pot synthesis of aromatic aminopropyl lactams as potential agents for Alzheimer's disease*
P69	Pedro M. R. Santos, *Glyco-porphyrin based gold nanoplatforms for combined cancer photodynamic and photothermal therapies*
P70	Cláudia P. S. Ribeiro, *The synthesis of BODIPY-tetrazine and its potential application in gastric cancer cells via click chemistry*
P71	Juliana R. Lopes, *Synthesis and evaluation of boronic-chalcone derivatives as anti-cancer and anti-inflammatory agents*
P72	Volodymyr V. Tkach, *The theoretical description for omeprazole and diclophenac cathodic electrochemical determination by poly(tartrazine) modified carbon electrode*