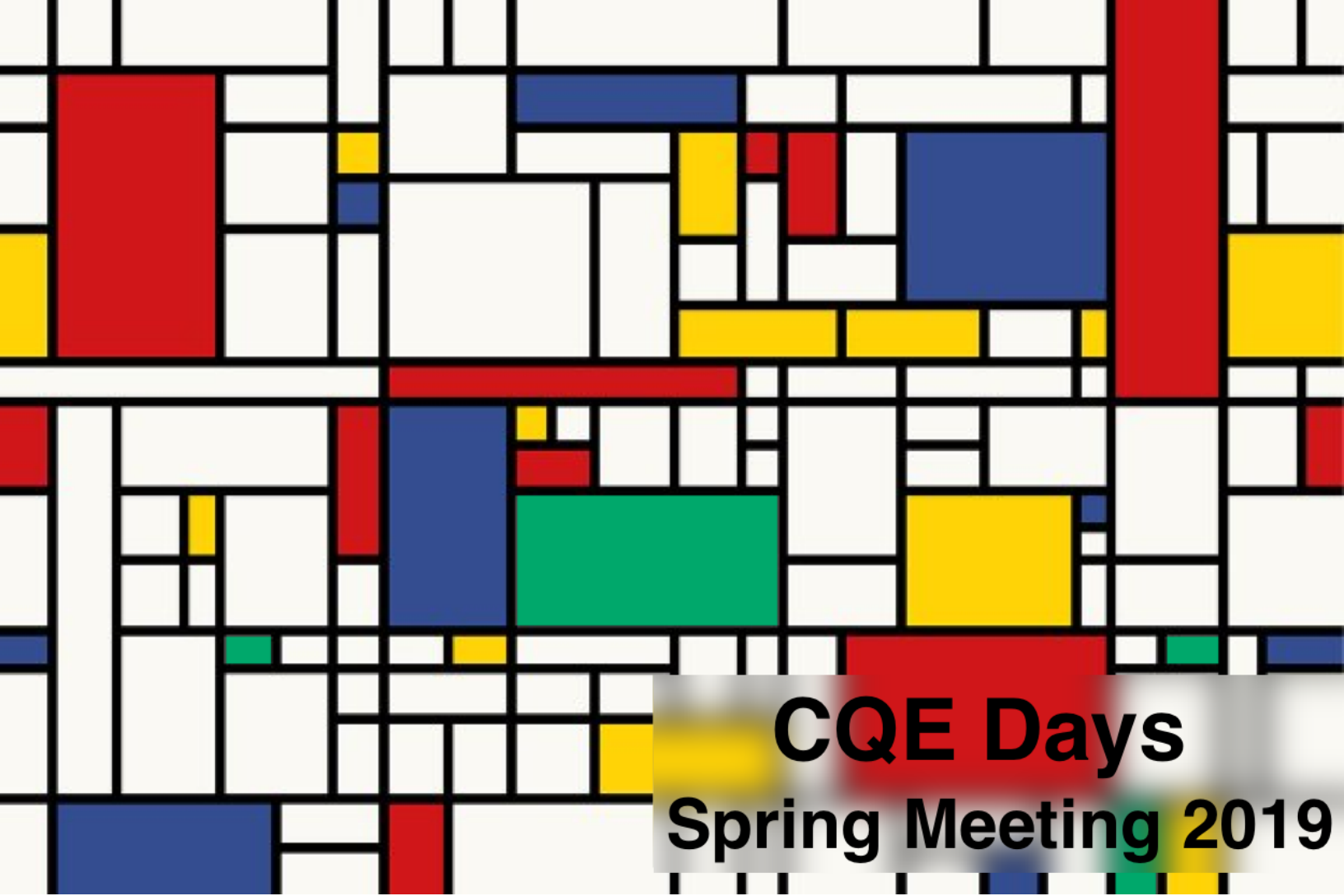




CQE Days

Spring Meeting 2019



ABSTRACTS BOOK

KEYNOTE, ORAL & POSTER

Overall Programme – Presentations

Thursday– May, 30		Friday– May, 31	
8:30	Registration		
9:00	Opening	9:15	Registration
9:30	MATSoft Ferreira, P.	9:30	MEDLife Capelo-Martinez, J.
10:15	Bacariza, M.C.	10:15	Mahmudov, K.
10:30	Cruz, T.	10:30	Figueira, C.
10:45	Coffee Break & Poster Session	10:45	Coffee Break & Poster Session
11:30	Andrade, M.	11:30	Valente, A.
11:45	Correia, I.	11:45	Rosado, P.
12:00	Carmona, B.	12:00	Upadhyay, K.
12:15	Folhas, D.	12:15	Gonçalves, J.
12:30	Adán-Más, A.	12:30	Lunch
12:45	Lunch		Poster Session
	Poster Session	14:00	SUSChem Domingos, T.
14:15	SYNCat Piñeiro, M.	14:45	Esteves, C.
15:00	Paulo, P.	15:00	Calado, P.
15:15	Reis, M.	15:15	Coffee Break & Poster Session
15:30	Cristino, A.	15:45	Round Table Transversality in Research
15:45	Teixeira, P.		
16:00	Coffee Break & Poster Session	17:00	Awards
16:45	Mestre, A.	17:15	Concluding Remarks
17:00	Barros, J.	17:30	
17:15	Queirós, C.		
17:30			

Oral Presentations

Thursday Morning – May, 30

9:00	Opening Ceremony	(José Nuno Canongia Lopes)
9:30	Keynote Session 1: K1 Ferreira	(chair: Montemor)
9:30	MATSoft - Materials, Soft Matter and NanoChemistry Fátima Montemor	
10:15	Understanding Nanoparticles by Advanced Transmission Electron Microscopy Paulo Ferreira	K1
10:15	Oral Session 1	(chair: Montemor)
10:15	Zeolites as easily tunable materials for satisfying CO₂ methanation conditions Carmen Bacariza Rey	O1
10:30	Reactivity of 2-iminopyrrolyl iron and cobalt complexes with a super hydride as a catalytic hydroboration mechanistic insight Tiago Cruz	O2
11:30	Oral Session 2	(chair: Montemor)
11:45	Porous carbon materials: catalysts for cyclohexane oxidation Marta Amaral Andrade	O3
12:00	New metal complexes for therapeutic applications Isabel Correia	O4
12:15	TBCCD1: a new player in the development of ciliopathies? Bruno Carmona	O5
12:30	Structural characterization of dissolved organic matter in permafrost peatland lakes Diogo Tavares Antão Folhas Ferreira	O6
12:45	On the growth of Co foams by dynamic hydrogen bubble template electrodeposition Alberto Adán-Más	O7

Thursday Afternoon– May, 30

	Keynote Session 2: K2 Piñeiro	(chair: Martins)
14:15	SYNCat - Synthesis, Catalysis and Reactivity Luísa Martins	
15:00	Sustainable Synthesis of N-heterocycles Marta Piñeiro	K2
	Oral Session 3	(chair: Martins)
15:00	Enhanced Fluorescence in Gold Nanorods Conjugated with Dye-Labeled DNA's Pedro Miguel Neves Ribeiro Paulo	O8
15:15	The influence of the liquid phase content and presence of polymeric additives on the properties of a calcium phosphate bone cement Marta Maria Machado Reis	O9
15:30	Vapor Liquid Equilibrium on water+alcohols systems: the evolution of a 25 years old flow apparatus Ana Filipa Russo de Albuquerque Cristino	O10
15:45	Performance of CaO-based sorbents for Calcium-Looping CO₂ capture: waste resources,natural and synthetic materials Paula Alexandra Lourenço Teixeira	O11
16:00		
	Oral Session 4	(chair: Martins)
16:45	Novel environmental-friendly activated carbons for enhanced pharmaceuticals removal from wastewaters: contributions of LIFE IMPETUS project Ana Sofia Dias Mestre	O12
17:00	N-Acetylgalactosamine mimetics as potential protein-protein interaction inhibitors in Alzheimer's disease and other applications João Manuel de Barros	O13
17:15	A new type of sustainable heat transfer fluids Carla Queirós	O14
17:30		

Friday Morning – May, 31

	Keynote Session 3: K3 Capelo-Martinez		(chair: Marques)
9:30	MEDLife - Medicinal and Biological Chemistry for Health Matilde Marques		
10:15	Biochemdicine: A new concept for the XXI century José-Luis Capelo-Martinez		K3
	Oral Session 5		(chair: Marques)
10:15	Intramolecular Noncovalent Interactions in Synthesis and Catalysis Kamran Mahmudov		
10:30	Ni(II) homogeneous catalysts for the synthesis of hyperbranched polyethylene Cláudia A. Figueira		O15
10:45			O16
	Oral Session 6		(chair: Marques)
11:30	Novel ruthenium complexes as potent anticancer agents: strategies for targeted therapy Andreia Valente		
11:45	New matrixes for protein immobilization in enzymatic drug transformations Pedro da Conceição Rosado		O17
12:00	Microwave Plasma Based Bulk Scale Synthesis of N-Doped Graphene And Its Application As Conductive Scaffold For Supercapacitors Kush Kumar Upadhyay		O18
12:15	Hybrid Mesoporous Nanoparticles for pH-Actuated Controlled Release José Luís Martins Gonçalves		O19
12:30			O20

Friday Afternoon – May, 31

	Keynote Session 4: K4 Domingos (chair: Marrucho)	
14:00	SUSChem - Sustainable Chemistry for the Environment, Energy and Manufacturing Isabel Marrucho	
14:45	Understanding the relation between energy and economic growth: the key to sustainable development Tiago Domingos	K4
	Oral Session 7 (chair: Marrucho)	
14:45	The first steps of crystallization: aggregation of nicotinic and hydroxynicotinic acids in solution Catarina Alexandra Veríssimo Esteves	O21
15:00	C-glycosides synthesis towards its application as antimicrobial compounds Patricia Ferreira Calado	O22
15:15		
	Round Table – Transversality in Research (chair: Romão)	
15:45	Instituto de Tecnologia Química e Biológica António Xavier – Universidade Nova de Lisboa Carlos Romão	
	Faculdade de Ciências – Universidade de Lisboa Carlos Nieto de Castro	
	Instituto de Tecnologia Química e Biológica António Xavier – Universidade Nova de Lisboa Cristina Silva Pereira	
	Imperial College London William Arnot Wakeham	
17:00	Awards (José Nuno Canongia Lopes)	
17:15	Concluding Remarks (José Nuno Canongia Lopes)	
17:30		

Poster Presentations

Thursday and Friday Coffee Break and Lunchtime – May, 30 and 31

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Green method for the production inverse spinels Beatriz M. Santos, Rute F. C. Faustino and Ana P. C. Ribeiro	P1
Synthesis of metallo-macrocyclic and coordination polymers with pyridine based amido-carboxylate ligand and their catalytic activities towards Henry and Knoevenagel reactions Anirban Karmakar, Guilherme M. D. M. Rúbio, M. Fátima C. Guedes da Silva and Armando J. L. Pombeiro	P2
Effect of alkyl substituent's on the biological activity of benzimidazole-based Schiff base copper(II) complexes Anup Paul, Sallemuthu Anbu, Gunjan Sharma, Maxim L. Kuznetsov, Biplob Koch, M. Fátima C. Guedes da Silva and Armando J. L. Pombeiro	P3
Synthesis and structures of Al(III), Fe(III) and Cu(II) formazanates Atash V. Gurbanov, M. Fátima C. Guedes da Silva, Kamran T. Mahmudov and Armando J.L. Pombeiro	P4
Solvent-free synthesis of copper benzene-1,3,5-tricarboxylate $\text{Cu}_3(\text{BTC})_2(\text{H}_2\text{O})_3 \cdot 10\text{H}_2\text{O}$ and $\text{Cu}_2(\text{OH})(\text{BTC})(\text{H}_2\text{O}) \cdot 2\text{H}_2\text{O}$ by ball milling Célia Aissani, Elisabete C. B. A. Alegria and Ana P. C. Ribeiro	P5
Sustainable Iron(II) scorpionate for the synthesis of cyclic carbonates Erivaldo J.C. Lopes, Ana Paula C. Ribeiro and Luisa Margarida D.R.S. Martins	P6
Dye sensitized solar cells based on porphyrins Gabriel F. Gika, Francisco M. Ferraz, Joana M. D. Calmeiro, Leandro M. O. Lourenço, Cláudia C. L. Pereira and João P. C. Tomé	P7
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Design, Synthesis and Application of novel Tetrazolyl- and Thiadiazolyl-Benzisothiazole Derivatives as Dynamic Multidentate Nitrogen Ligands in Catalysis and Selective Chelating Agents for Metals in Biological Medium Luís M. T. Frija and Armando L. Pombeiro	P9
Cu(II)-Aroylhydrazones: Syntheses and Catalytic C-H functionalization Manas Sutradhar	P10
Photoimmunoconjugates to treat Cancer and Age-related Macular Degeneration by Photodynamic Therapy Sandra Beirão, Sara R. G. Fernandes, Bruno Sarmento, Rosa Fernandes and João P. C. Tomé	P11
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Nanostructures for CO₂ removal, fuels production and development of new energy sources Ana C. Ferreira, Fábio Vieira, Ricardo Silva, António P. Gonçalves and Joaquim Branco	P13
Ln-based Compounds Applications in Magnetism and Optical Sensing Bernardo Monteiro, Joaquim Marçalo, João P. Leal, Joana T. Coutinho, Laura C.J. Pereira, Manuel Almeida, Cláudia C.L. Pereira, Tiago Moreira, Mani Outis, César T. Laia, Filipe A.A. Paz, Ricardo F. Mendes and José J. Baldovi	P14

Thursday and Friday Coffee Break and Lunchtime – May, 30 and 31

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Non-aqueous uranium coordination chemistry: uranium complexes supported by hydrobis(mercaptoimidazolyl)borates Leonor Maria, Joaquim Marçalo, Isabel C. Santos and Adelaide Cruz	P17
Cyclams: A Novel Class of Antibacterial and Antitumoral Compounds Luis G. Alves, Adhan Pilon, Sergi Rodriguez-Calado, João F. Portel, Sílvia A. Sousa, Olga Ferreira, Andreia Valente, Julia Lorenzo, Elisabete Silva, Ana M. Martins and Jorge H. Leitão	P18
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Synthesis and characterization of a new family of ruthenium(II) complexes with phenantroline derivated ligands for anticancer applications Margarida P. Pereira, João Franco Machado, M. Fátima M. Piedade, M. Helena Garcia and Tânia S. Morais	P21
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New Donepezil Mimetic Hybrids As Potential Multi-Target Anti-Alzheimer'S Disease Agents Marina Costa, Federica Rinaldo, Romane Josselin, Luca Piemontese, Diana Silva, Sandra M. Cardoso, Sílvia Chaves and M. Amélia. Santos	P24
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