

XXIV SPQ 2015

Wednesday, 1 st July			Thursday, 2 nd July			Friday, 3 rd July				
HOUR	SESSION	ROOM	HOUR	SESSION	ROOM	HOUR	SESSION	ROOM		
			09:00			09:00				
			09:15	Plenary Lecture	Main (PL2)	09:15	Plenary Lecture	Main (PL3)		
			09:30						09:30	
			09:45						09:45	
			10:00			Invited Lecture			Main (IL4)	10:00
			10:15	10:15						
			10:30	Coffee Break/ Posters		10:30		Main (IL10)		
			10:45			10:45				
			11:00	Invited Lectures and Oral Comms	Main (O16-O19, IL5) (CAS pres.)	11:00	Coffee Break			
			11:15			11:15	Oral Comms	Main (O30-O32)		
			11:30			11:30				
			11:45			11:45				
12:00	Registration and Opening Session	Main	12:00			Invited Lectures and Oral Comms	Chem (QLabo pres.) (IL8, O23-O25)	12:00	Invited Lecture Main Prémio Vicente de Seabra (IL11)	Chem (O37-O42)
12:15			12:15	12:15						
12:30			12:30	12:30						
12:45			12:45	12:45						
13:00			13:00	13:00	LUNCH		13:00	LUNCH		
13:15			13:15	13:15	LUNCH		13:15	LUNCH		
13:30			13:30	13:30	LUNCH		13:30	LUNCH		
13:45			13:45	13:45	LUNCH		13:45	LUNCH		
14:00			14:00	14:00	LUNCH		14:00	LUNCH		
14:15			14:15	14:15	LUNCH		14:15	LUNCH		
14:30			Plenary Lecture Main (Prémio Ferreira da Silva) (PL1)		14:30	Discussion "Is Chemistry sustainable in Portugal?"	Main	14:30	Plenary Lecture	Main (PL4)
14:45					14:45			14:45		
15:00					15:00			15:00		
15:15			15:15	15:15	15:15	15:15	15:15	15:15	15:15	
15:30			Coffee Break/ Posters		15:30	Coffee Break/ Posters		15:30	Coffee Break	
15:45			15:45			15:45		Main		
16:00	Oral Comms	Main (IL1, O1-O5)	16:00	Invited Lectures	Main (IL6, IL7)	16:00	Invited Lectures and Oral Comms	Main (IL12, O33*-O36)		
16:15			16:15			16:15				
16:30		16:30	16:30			Chem (O43-O48)				
16:45		Chem (IL2, O6-O10)	16:45	16:45	Phys (IL13, O49-O52)					
17:00			17:00	17:00						
17:15	Phys (IL3, O11-O15)	17:15	Oral Comms	Main (O20-O22)	17:15	Closing Ceremony	Main			
17:30		17:30			17:30					
17:45	Social Event		20:00	Meeting Dinner		17:45				
18:00	Welcome Reception					18:00				

Main – Main Auditorium

Chem – Chemistry Auditorium

Phys – Physics Auditorium

2 Julho-11h **QLabo** presentation Chem auditorium

2 Julho-12h **CAS** presentation Main auditorium

3 Julho-10h **CCDRC** presentation Main auditorium

***3 Julho**-15h45 **ENEQUI** prize presentation Main auditorium

Divisão de Ensino e Divulgação da Química – SPQ – VI DEDQ

Quarta-feira, 1 Julho			Quinta-feira, 2 Julho			Sexta-feira, 3 Julho			
HOUR	SESSION	ROOM	HOUR	SESSION	ROOM	HOUR	SESSION	ROOM	
			09:00			09:00	Lição Convidada	C12-Chem	
			09:15	Lição Convidada	C12-Chem (IL14)	09:15	Olimpiadas A V	C12-Chem	
			09:30			09:30			
			09:45			09:45			
			10:00			10:00			
			10:15	PechaKucha		10:15	Comunicações Orais	C12-Chem (O56-O59)	
			10:30	Café e Posters		10:30			
			10:45			10:45			
			11:00			11:00	Café		
			11:15	Workshop "Química (mais) verde nas escolas"	Lab Chem	11:15	Workshop "Integração simbiótica da química laboratorial"	Lab Chem	
			11:30						11:30
			11:45						11:45
12:00	Registo e Sessão de Abertura	Main	12:00			12:00			
12:15				12:15			12:15		
12:30				12:30			12:30		
12:45				12:45			12:45		
13:00				13:00			13:00		
13:15				13:15			13:15		
13:30				13:30			13:30		
13:45				13:45			13:45		
14:00				14:00			14:00		
14:15				14:15			14:15		
14:30	Plenary Lecture Main (Prémio Ferreira da Silva) (PL1)		14:30	Debate "É a Química sustentável em Portugal?"	Main	14:30	Lição Plenária	Main (PL4)	
14:45						14:45			
15:00						15:00			
15:15		15:15			15:15				
15:30	Café e Posters		15:30	Café e Posters		15:30	Café		
15:45			15:45			15:45			
16:00	Debate "Ensino da Química e da Física"		16:00	Lição Convidada	Main (IL6)	16:00	Feira da Ciência	2Andar Chem	
16:15						16:15			
16:30	Workshop "Química e Música"	C12-Chem	16:30	Lição Convidada	C12-Chem (IL15, O53-O55)	16:30	Debate "Física e Química: diálogos (im)possíveis"	C12-Chem	
16:45						16:45			
17:00						17:00			
17:15		17:15			17:15				
17:30		17:30			17:30				
17:45	Social event		17:45			17:45	Encerramento		
18:00	Recepção de Boas Vindas		18:00	Jantar do Congresso		18:00			

Main – Auditório UC

C12-Chem – Auditório Dpto. Química

PLENARY LECTURES

PL-01	MATERIAIS DE CARBONO EM CATÁLISE: O PAPEL DA QUÍMICA SUPERFICIAL	José Luis Figueiredo (F. Engenharia, Univ. Porto)
PL-02	NON-NOBLE METAL CATALYSIS FOR MAKING PRECIOUS MOLECULES	Mathias Beller (Universität Rostock)
PL-03	THE NANOTECHNOLOGY OF GOLD	Mathias Brust (University Liverpool)
PL-04	SOME LIKE IT HOT	Klaus Roth (Freie Universität Berlin)

INVITED LECTURES

IL-01	ONE-POT SYNTHESIS OF USEFUL BIO-PRODUCTS VIA CATALYTIC CONVERSION OF CARBOHYDRATE BIOMASS-DERIVED PLATFORM CHEMICALS	Anabela Valente (CICECO-UAveiro)
IL-02	STORING SUNLIGHT INTO ELECTROCHEMICAL ENERGY: THE NEW WORLD OF SOLAR CHARGE REDOX FLOW BATTERIES	Adélio Mendes (FE-UPorto)
IL-03	SOLID PHASE EXTRACTION IN FLOW ANALYSIS PLATFORMS	António Rangel (CBQF-Porto)
IL-04	IRON AND NICKEL COMPLEXES WITH N-HETEROCYCLIC CARBENES	Beatriz Royo (ITQB-UNLisboa)
IL-05	THE FIFTY SHADES OF GREEN	Vasco Bonifácio (IST-ULisboa)
IL-06	A LUZ NA HISTÓRIA DA CIÊNCIA	Henrique Leitão (CIUHCT-ULisboa)
IL-07	THE CONCEPT OF CHEMICAL METAMORPHOSIS	Fernando Pina (FCT-UNLisboa)
IL-08	PHARMACEUTICALS IN THE ENVIRONMENT: SOURCES, FATE AND FUTURE CHALLENGES	Cristina Delerue- Matos (REQUIMTE-UPorto)
IL-09	HOMEOSTASIS OF FREE CHOLESTEROL IN THE BLOOD – KINETIC PARAMETERS AND MODELING OF ITS PASSIVE TRANSPORT	Maria João Moreno (FCT-UCoimbra)
IL-10	TECHNOLOGY PLATFORM FOR SUSTAINABLE CHEMISTRY: AN OPPORTUNITY TO INNOVATE AND COLLABORATE	Cristina González-Alonso (SusChem-Espanha)
IL-11	DESIGN OF ROBUST AND MULTIFUNCTIONAL METAL-ORGANIC FRAMEWORKS	Filipe Paz (CICECO-UAveiro)
IL-12	PIEZOPHOTONIC MATERIALS: FROM THE LAB BENCH TO THE MARKET	Carlos Serpa (FCT-UCoimbra)
IL-13	AN AUTOMATED METHOD TO FIND TRANSITION STATES USING CHEMICAL DYNAMICS SIMULATIONS	Emilio Martínez-Núñez (UCompostela-Espanha)
IL-14	UM 'PORTFOLIO' DE ACTIVIDADES DE PROMOÇÃO E DIVULGAÇÃO DA QUÍMICA	Paulo Claro (DQ-UAveiro)
IL-15	HISTÓRIA DA QUÍMICA E ARTE: DIÁLOGO EDUCATIVO COM O RETRATO DE NOVA QUÍMICA	Fátima Paixão (IPCasteloBranco)

ORAL COMMUNICATIONS

OC-01	ENHANCED CATALYTIC BEHAVIOUR OF HIERARCHICAL SAPO-11 SYNTHESISED UNDER MICROWAVE RADIATION	Raquel Bértolo (IST-UL)
OC-02	OXIDOVANADIUM COMPLEXES ANCHORED ON CARBON MATERIALS FOR OXIDATION REACTIONS	Sónia Carabineiro (FEUP)
OC-03	SUSTAINABLE SELECTIVE CATALYTIC OXIDATION OF ALKANES	Ana Rosa Silva (DQUA)
OC-04	ADSORPTION OF ANTHOCYANINS AND PHENOLIC ACIDS IN CLAYS	Pedro Ideia Freitas (UMadeira)
OC-05	A STRATEGY FOR IMPROVING ENZYME'S STABILITY VIA IMMOBILIZATION OVER MULTI-WALLED CARBON NANOTUBES	Cláudia Silva (FEUP)
OC-06	PREDICTING VOLATILITY PROPERTIES OF HALOBENZENES FROM THE VOLUME AND ELECTRON AFFINITY OF HALOGEN ATOMS	Manuel Monte (FCUP)
OC-07	COMPUTATIONAL STUDY OF STRUCTURE AND RAMAN SPECTRA OF FLUOROMETHANE TYPE I HYDRATE	Ángel Vidal-Vidal (UVigo-Espanha)
OC-08	NEAR-INFRARED INDUCED GENERATION OF HIGHER-ENERGY CONFORMERS AND SPONTANEOUS PROTON TUNNELING IN CARBOXYLIC ACIDS ISOLATED IN CRYOGENIC MATRICES	Igor Reva (FCTUC)
OC-09	PERMANENT MEMORY EFFECT OF PDLC FILMS: A NEW MEMORY DEVICE	João Sotomayor (FCT-UNL)
OC-10	ELECTROKINETIC SOIL REMEDIATION - AN EFFICIENCY STUDY FOR CADMIUM REMOVAL	Diana Silva (FCTUC)
OC-11	METHOD DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS DETERMINATION OF MAJOR, TRACE AND RARE EARTH ELEMENTS IN SEDIMENTS BY ICP-OES AND ICP-MS	Lina Carvalho (DQUA)
OC-12	ESTIMATION OF MERCURY METHYLATION RATES IN SEDIMENTS FROM TWO PORTUGUESE ESTUARIES USING MERCURY STABLE ISOTOPES	Rute Cesário (IST-UL)
OC-13	ESPECTROFOTOMETRIA – REFRACTOMETRIA NO IPQ	Olivier Pellegrino (IPQ)

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OC-14	DEVELOPMENT AND VALIDATION OF A SIMPLE SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF METHYLDOPA IN BOTH BULK AND MARKETED DOSAGE FORMULATIONS	Paulo Ribeiro (UFM-Brasil)
OC-15	ARSENIC IN SOILS – NEW PARADIGMS, NEW CHALLENGES!	M. Clara Magalhães (DQUA)
OC-16	CATALYTIC AMINOCARBONYLATION: A SUSTAINABLE APPROACH FOR THE SYNTHESIS OF AMIDE DERIVATIVES	Rui Carrilho (FCTUC)
OC-17	COMPOSING MATERIALS: A PHOTOCATALYST SYMPHONY	Joaquim de Faria (FEUP)
OC-18	PHOTOLUMINESCENT LANTHANIDE-POLYPHOSPHONATE MOFs AS HETEROGENEOUS CATALYSTS	Sérgio Vilela (DQUA)
OC-19	APPLIED ORGANIC MATERIALS AS FUNTIONAL IONIC LIQUIDS	Luis Branco (FCT-UNL)
OC-20	PHOTORHEOLOGICAL SYSTEMS BASED ON 2-HYDROXYCHALCONES, CINNAMIC ACIDS AND COUMARINES	António Parola (FCT-UNL)
OC-21	POTENTIATION OF PRO-OXIDANT AND ANTIOXIDANT EFFECTS IN PHOTODYNAMIC THERAPY	Helder Tão (FCTUC)
OC-22	CHARACTERIZATION OF THE EXCITED STATES OF 7-HYDROXY-4-METHYL-8-NITROCOUMARIN	Catherine Castro (FCTUC)
OC-23	EUGENOL MICROENCAPSULATED USING SIMPLEX-CENTROID MIXTURE DESING	Cristiane Canan (UFTParaná-Brasil)
OC-24	MULTIELEMENT COMPOSITION OF SKINS, SEEDS AND BERRIES OF GRAPES AND ITS RELATIONSHIP TO SPECIFIC SOIL TYPE	Ricardo Páscoa (FFUC)
OC-25	ARGON-ENRICHED ATMOSPHERES PRESERVE THE OVERALL QUALITY OF BUCKLER SORREL DURING COLD STORAGE	José Pinela (IPB)
OC-26	DOXORUBICIN AND DAUNORUBICIN INTERACTIONS WITH NORMAL AND TUMORAL MEMBRANES: A COMPARATIVE STUDY USING LIPOSOMES	Ana Catarina Alves (FFUP)

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OC-27	DEVELOPMENT OF TETRAPYROLIC MACROCYCLES AS MOLECULAR IMAGING PLATFORMS	Mário Calvete (FCTUC)
OC-28	EVALUATION OF THE PH-SENSIBILITY OF DIFFERENT CHITOSAN-BASED HYDROGELS FOR THE CONTROLLED RELEASE OF DAPSONE	Alessandro Silveri (DF-UChieti-Italia)
OC-29	DRUG-MEMBRANE INTERACTIONS: UNRAVELING DICLOFENAC'S BEHAVIOUR	Sarah Jamal (FFUP)
OC-30	POXYLATED NANOCARRIERS FOR PULMONARY DELIVERY	Ana Aguiar Ricardo (FCT-UNL)
OC-31	INORGANIC, ISOTOPIC AND MINERALOGICAL COMPOSITION OF URBAN PM2.5 AT THE WESTERN EUROPEAN COAST	Andreia Paula (DQUA)
OC-32	BIOGEOCHEMISTRY OF CANADIAN SUBARCTIC THERMOKARST THAW LAKES	Leandro Castanheira (IST-UL)
OC-33	NOVOS FOTOSSENSIBILIZADORES COM POTENCIAL ACTIVIDADE ANTIBACTERIANA	Carolina S. Vinagreiro (FCTUC)
OC-34	TURNING PERIODIC MESOPOROUS ORGANOSILICAS SELECTIVE TO CO2/CH4 SEPARATION: CONTROLLED DEPOSITION OF ALUMINUM OXIDE BY ALD	Mirtha Lourenço (DQUA)
OC-35	SYNTHESIS OF NEW 2-HALO-2-(TETRAZOL-5-YL)-2H-AZIRINES	M. do Carmo Sousa (FCTUC)
OC-36	POLYPHENOLS & CARBOHYDRATES METABOLISM: COMPOSITION AND BENEFICIAL EFFECTS OF WILD ENDEMIC BERRIES FROM MADEIRA ISLAND	Joana Pinto (UMadeira)
OC-37	INOVAÇÃO PARA A SUSTENTABILIDADE NA EDP DISTRIBUIÇÃO	Pedro Carreira (EDP)
OC-38	INNOVNANO	Ricardo Gomes (InnovNano)
OC-39	$SU \frac{N}{S} TAINABILITY$	José Alves (Martifer Solar)
OC-40	EUROSPUMA - 50 ANOS DE SOLUÇÕES DE CONFORTO	Rui de Oliveira

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		(Euroespuma)
OC-41	ALTERNATIVAS AOS SOLVENTES TRADICIONAIS DE USO INDUSTRIAL	Nuno Rebanda (Quimijuno)
OC-42	CULTURA DE INOVAÇÃO – AMORIM E A UNIVERSIDADE	Paulo Gil (Amorim & Irmãos)
OC-43	FUROSEMIDE AND P-AMINOBENZOIC ACID COCRYSTALS. A NEAR INFRARED SPECTROSCOPY STUDY	Mafalda Sarraguça (FFUP)
OC-44	STRATEGIES FOR MULTICOMPONENT SEPARATION OF NADOLOL STEREOISOMERS BY PREPARATIVE LIQUID CHROMATOGRAPHY	António Ribeiro (IPB)
OC-45	ANALYSIS OF RADIONUCLIDES IN URANIUM MINES WASTE AND ENVIRONMENTAL SAMPLES IN PORTUGAL	Margarida Malta (IST-UL)
OC-46	RECOVERY OF PALLADIUM FROM A SPENT INDUSTRIAL CATALYST BY LEACHING AND SOLVENT EXTRACTION	Oswaldo Ortet (FCT-ULisboa)
OC-47	OPTIMIZATION OF NANOSTRUCTURE LIPID NANOPARTICLES LOADED WITH METHOTREXATE: APPLICATION OF BOX-BEHNKEN DESIGN	Mara Ferreira (FFUP)
OC-48	scCO ₂ -PHASE INVERSION TECHNIQUE: A SUSTAINABLE METHOD TO PRODUCE WOUND DRESSINGS ABLE TO PROMOTE A FASTER SKIN WOUND HEALING	Patrícia Morgado (FCT-UNL)
OC-49	KEY FINDINGS ON DRUG TRANSIT AND P-GYCOPROTEIN EFFLUX MECHANISM BY MOLECULAR DYNAMICS SIMULATIONS	Daniel Santos (REQUIMTE-Porto)
OC-50	COMPUTER SIMULATION OF GAS ADSORPTION IN POROUS MATERIALS	José Gomes (CICECO-UA)
OC-51	TRYING TO UNDERSTAND THE ACTIVITY OF THE PHENANTHROLINE BASED INTERCALATION DRUGS	Adrià Gil-Mestres (FCUL)
OC-52	IMPROVING RECEPTOR-LIGAND SCORING FOR ENHANCED VIRTUAL SCREENING	Sérgio Sousa (REQUIMTE-Porto)

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OC-53	TRACKING THE PERIODIC CLASSIFICATION RECEPTION IN PORTUGAL THROUGH A MENDELEEV'S LETTER	Isabel M. O. Malaquias (UA)
OC-54	FROM NITRUM TO POTASH: THE HISTORY OF A SUBSTANCE	Lais J. Callegario (UA)
OC-55	SCIENTIX: THE NEW INTERNET-BASED COMMUNITY FOR SCIENCE EDUCATION IN EUROPE	Carlos Cunha (Esc. Sec. D. Manuel Martins-Setúbal)
OC-56	E-LAB CHEMISTRY ONLINE COURSES	Sérgio Leal (FCUL)
OC-57	HANDS-ON CHEMISTRY: NEW PRESCHOOL CHALLENGE	José A. S. Ferreira (FCUP)
OC-58	CLORETO DE SÓDIO UM REAGENTE "VERDE" - A SUSTENTABILIDADE NO ENSINO DA QUÍMICA – O PROJETO SALCIÊNCIA	José L. Costa (Agr. Esc. José Estevão-Aveiro)
OC-59	INTRODUÇÃO DA QUÍMICA VERDE, COMO SUPORTE DA SUSTENTABILIDADE, NO ENSINO SECUNDÁRIO	Tânia Pires (ICETA/Requimte/FCUP)