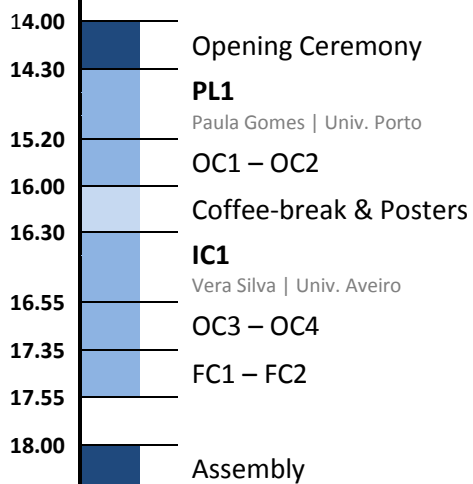
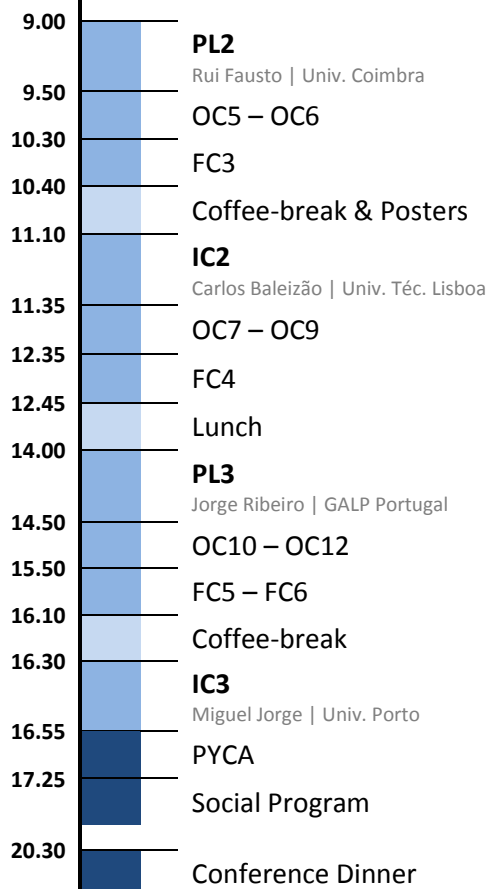


Room A1 PROGRAM

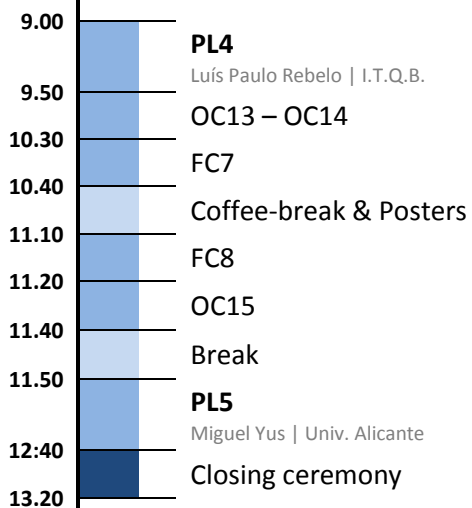
Wednesday, May 9th



Thursday, May 10th



Friday, May 11th

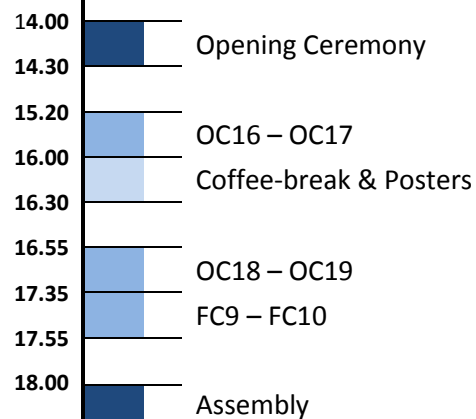


PL – Plenary Lectures
IC – Invited Lectures
OC – Oral communications
FC – Flash communications

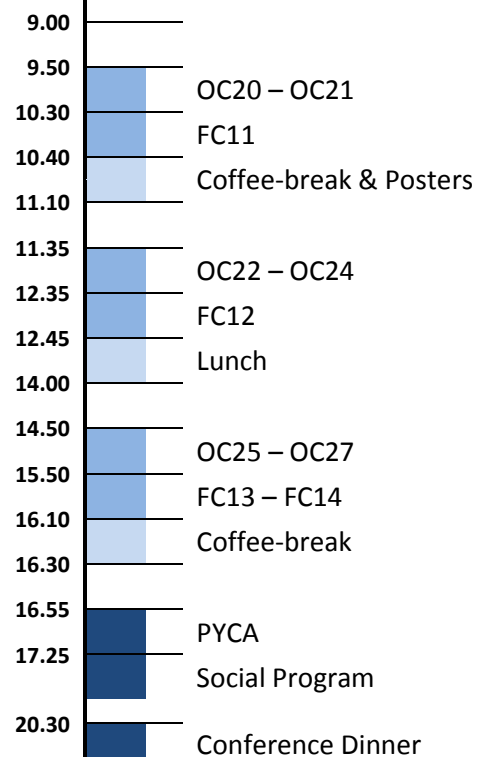
Room A2

PROGRAM

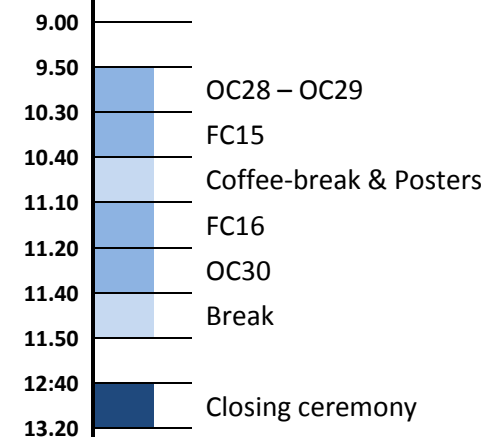
Wednesday, May 9th



Thursday, May 10th



Friday, May 11th



PL – Plenary Lectures
 IC – Invited Lectures
 OC – Oral communications
 FC – Flash communications

DETAILED PROGRAM

Wednesday, May 9th

		ROOM
9h00	Registration	
14:00	Opening Ceremony	
14:30	PL1. Old drugs with new faces: chemical strategies to cover primaquine unpleasant traits while preserving its attractive antimalarial attributes <u>Paula Gomes</u> , Nuno Vale and Joana Matos <i>Faculty of Science, University of Porto, Portugal</i>	A1
15:20	OC1. New chromene scaffolds for adenosine receptors: synthesis and pharmacology <u>Marta Costa</u> , Filipe Areias, Marian Castro, Jose Brea, María I. Loza and Fernanda Proença <i>University of Minho, Portugal</i>	A1
	OC16. Photophysics of push-pull oxazolones derivatives with nonlinear optical properties <u>Inês de F. A. Mariz</u> , Catarina Rodrigues, Ermelinda M. S. Maçôas, Carlos Afonso and José M. G. Martinho <i>Instituto Superior Técnico, Lisboa, Portugal</i>	A2
15:40	OC2. Marine biomaterials on the origin of biomedical applications <u>Tiago H. Silva</u> , Joana Moreira-Silva, Lara L. Reys, Ana Rita C. Duarte, Simone S. Silva, Susana Fernandes-Silva, João F. Mano, Rui L. Reis <i>University of Minho, Braga / PT Government Associate Laboratory, Braga/Guimarães, Portugal</i>	A1
	OC17. New porphyrin materials for optoelectronic and PET applications <u>Sara M. A. Pinto</u> , César A. Henriques, Carlos J. P. Monteiro, Ana V. C. Simões, Mário J. F. Calvete, Mariette M. Pereira and Hugh D. Burrows <i>Faculty of Science and Technology, University of Coimbra, Portugal</i>	A2
16:00	Coffee-break & Poster Session I	
16:30	IC1. Development of synthetic methodologies for new biologically active heterocyclic compounds <u>Vera L. M. Silva</u> , Artur M. S. Silva and José A. S. Cavaleiro <i>University of Aveiro, Portugal</i>	A1
16:55	OC3. New synthetic approach towards the miharamycins sugar moiety <u>Vasco Cachatra</u> , Andreia Almeida and Amélia P. Rauter <i>Faculty of Science, University of Lisbon, Portugal</i>	A1
	OC18. Clay materials for the storage and release of nitric oxide for therapeutic purposes <u>Ana C. Fernandes</u> and M. L. Pinto, J. Pires <i>Faculty of Science, University of Lisbon, Portugal</i>	A2
17:15	OC4. Mechanosynthesis: a new pathway for the synthesis of metallodrugs and metallopharmaceuticals <u>Vânia André</u> and M. Teresa Duarte <i>Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal</i>	A1
	OC19. On the voltammetry of chalcones: trans-calcone, cardamonin and	A2

	xanthohumol	
	<u>Eliana M. Tavares</u> , Luís M. Gonçalves, José A. Rodrigues and Aquiles A. Barros <i>Faculty of Science, University of Porto, Portugal</i>	
17:35	FC1. Thermochemistry of 1-methylimidazolium nitrate	A1
	<u>Joana Vitorino</u> , C. E. S. Bernardes and M. E. Minas da Piedade <i>Faculty of Science, University of Lisbon, Portugal</i>	
	FC9. Application of the QuEChERS methodology for the determination of volatile phenols in beverages	A2
	<u>Inês M. Valente</u> , Christiane M. Santos, Manuela M. Moreira, José A. Rodrigues and Aquiles A. Barros <i>Faculty of Science, University of Porto, Portugal</i>	
17:45	FC2. On the synthesis of dehydropregnenolone derivatives: reactivity as diene/dienophile in the Diels Alder reaction	A1
	<u>Tiago E. B. Valadeiro</u> , Jorge A. R. Salvador, Silvia Gramacho and M. Pineiro <i>University of Coimbra, Portugal</i>	
	FC10. Syngas production over M-Ni nanoparticles (M = Pr, Gd, Th and U)	A2
	<u>Ana C. Ferreira</u> , J.P.Leal and Joaquim B. Branco <i>Instituto Superior Técnico, Universidade Técnica de Lisboa / FCUL, Portugal</i>	
18:00	Assembly	

DETAILED PROGRAM

Thursday, May 10th

		ROOM
9:00	PL2. Light induced reactions in cryogenic matrices <u>Rui Fausto</u> <i>University of Coimbra, Portugal</i>	A1
9:50	OC5. The Sulfur-shift: the activation mechanism of mononuclear Mo enzymes <u>Nuno M. F. S. A. Cerqueira</u> <i>Faculty of Science, University of Porto, Portugal</i>	A1
	OC20. Computational studies on the aspartic protease Renin <u>Natércia F. Brás, Pedro A. Fernandes and Maria J. Ramos</u> <i>Faculty of Science, University of Porto, Portugal</i>	A2
10:10	OC6. Manganese porphyrins as catalysts in the oxidation of diclofenac <u>Cláudia M. B. Neves, Mário M. Q. Simões, Isabel C. M. S. Santos, Filipe A. Almeida Paz, M. Graça P. M. S. Neves, Artur M. S. Silva and José A. S. Cavaleiro</u> <i>University of Aveiro, Portugal</i>	A1
	OC21. Ciprofloxacin and norfloxacin spectrophotometric determination in a fully automated multi-pumping flow system <u>Maria H. R. Amorim, Karine L. Marques, João L. M. Santos and José L. F. C. Lima</u> <i>Faculty of Pharmacy, University of Porto, Portugal</i>	A2
10:30	FC3. Dicarboxylate recognition by two macrobicyclic receptors: selectivity for fumarate over maleate <u>Pedro Mateus, Rita Delgado, Paula Brandão and Vítor Félix</u> <i>Instituto de Tecnologia Química e Biológica, Portugal</i>	A1
	FC11. Characterization and antibacterial studies of a copper(II) lomefloxacin ternary complex <u>Patrícia Fernandes, Mariana Ferreira and Paula Gameiro</u> <i>Faculty of Science, University of Porto, Portugal</i>	A2
10:40	Coffee-break & Poster Session II	
11:10	IC2. Perylenediimide based functional hybrid materials <u>Carlos Baleizão</u> <i>Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal</i>	A1
11:35	OC7. Light-activated delivery of inorganic and organic phosphates: using metal nanoparticles for the release of caged compounds in aqueous media <u>Artur J. Moro, Joana Sousa, João Rosa, P. V. Baptista and João C. Lima</u> <i>Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal</i>	A1
	OC22. Efficient synthesis of new spiroisoxazoline oxindoles <u>Carlos J. A. Ribeiro, Rui Moreira and Maria M. M. Santos</u> <i>Faculty of Pharmacy, University of Lisbon, Portugal</i>	A2
11:55	OC8. Encapsulation of resveratrol in lipid nanoparticles: formulation and characterization <u>Ana Neves, M. Lúcio, J. L. F. C. Lima and S. Reis</u>	A1

	<i>Faculty of Pharmacy, University of Porto, Portugal</i>	
	OC23. New composites based on polyoxometalates and porous MOFs as active catalysts for liquid phase oxidation	A2
	<u>Carlos M. Granadeiro</u> , André D. S. Barbosa, Patrícia Silva, Filipe A. Almeida Paz, Baltazar de Castro, Salette S. Balula and Luís Cunha-Silva <i>Faculty of Science, University of Porto, Portugal</i>	
12:15	OC9. Monitoring heavy metals in urban soils at lisbon	A1
	<u>Hugo F. Silva</u> , Andrei Sadovski, Cristina Oliveira and Manuel J. Matos <i>Instituto Superior Engenharia de Lisboa, Portugal</i>	
	OC24. Iron oxide/gold core/shell nanoparticles and screen printed carbon electrode for sensitive detection of salmonella typhimurium	A2
	<u>Maria Freitas</u> , S. Viswanathan, M.B.P.P. Oliveira and C. Delerue-Matos <i>Faculty of Pharmacy, University of Porto, Portugal</i>	
12:35	FC4. Effect of extraction conditions for chlorogenic acid determination in lamb's lettuce	A1
	<u>Fábio Oliveira</u> , Manuela M. Moreira, Aquiles A. Barros and Luís F. Guido <i>Faculty of Science, University of Porto, Portugal</i>	
	FC12. Conception of glycerophospholipid hydrated bilayer models through computational modeling	A2
	<u>João T. S. Coimbra</u> , Sérgio F. Sousa, Pedro A. Fernandes, Maria Rangel, Maria J. Ramos <i>Faculty of Science, University of Porto, Portugal</i>	
12:45	Lunch	
14:00	PL3. Collaborative R&D between GALP Energia and university as a factor to promote competitiveness	A1
	<u>Jorge Correia Ribeiro</u> <i>Galp Energia, Portugal</i>	
14:50	OC10. Dow human element, fostering an innovation culture	A1
	<u>Raquel Fortes</u> <i>New Business Development Leader, Dow Europe GmbH, Switzerland</i>	
	OC25. e-lab: a didactic interactive experiment. An approach to the Boyle-Mariotte law.	A2
	<u>Sérgio Leal</u> , João P. Leal and Horácio Fernandes <i>Faculty of Science, University of Lisbon, Portugal</i>	
15:10	OC11. Photoacoustic waves based technology using light absorbing thin films for transdermal drug delivery	A1
	<u>Gonçalo F. F. Sá</u> , Carlos Serpa and Luís G. Arnaut <i>University of Coimbra / LaserLeap Technologies, Coimbra, Portugal</i>	
	OC26. Dual complexation mode of cucurbit[7]uril and cationic surfactants	A2
	<u>Márcia Pessêgo</u> , J. A. Moreira and L. García-Río <i>Universidad de Santiago de Compostela, Spain / Faculty of Science and Technology, University of Algarve, Portugal</i>	
15:30	OC12. Use of solid phase extraction in a sequential injection system for the determination of alkaline phosphatase activity in plant roots	A1
	<u>Inês C. Santos</u> , Raquel B. R. Mesquita, Adriano A. Bordalo and António O. S. S. Rangel <i>Universidade Católica Portuguesa, Portugal</i>	
	OC27. The conducting polymer based electrochemical sensors and biosensors	A2

	with autocatalytical stage and the description of their work	
	<u>Volodymyr V. Tkach</u> , <u>Vasyl V. Nechyporuk</u> , <u>Petro I. Yagodynets'</u> and <u>Aline M. da Rocha</u> <i>Chernivtsi National University, Ukraine</i>	
15:50	FC5. Understanding the mechanism of resistance of HIV-1 RT to tenofovir <u>Rui M. Ramos</u> , <u>Irina S. Moreira</u> , <u>Pedro A. Fernandes</u> and <u>Maria J. Ramos</u> <i>Faculty of Science, University of Porto, Portugal</i>	A1
	FC13. Synthesis of novel bipyrrrolic compounds with potential application in anion binding <u>Flávio Figueira</u> , <u>Andreia F. S. Farinha</u> , <u>Augusto C. Tomé</u> , <u>José A. S. Cavaleiro</u> and <u>João P. C. Tomé</u> <i>University of Aveiro, Portugal</i>	A2
16:00	FC6. Mannosylated nanoparticles for targeted delivery of amphotericin B towards visceral leishmaniasis <u>Daniela Barros</u> , <u>A. Cordeiro-da-Silva</u> and <u>S. Costa-Lima</u> <i>IBMC-INEB Infection and Immunity- Parasite Disease Group, Porto, Portugal</i>	A1
	FC14. On the complexation between bovine serum albumin and manganese porphyrin <u>Otávio A. Chaves</u> , <u>Gonçalo F. F. Sá</u> , <u>Catarina S. H. Jesus</u> , <u>Carlos Serpa</u> and <u>Luis G. Arnaut</u> <i>Capes Foundation, Brazil / University of Coimbra, Portugal</i>	A2
16:10	Coffee-break	
16:30	IC3. Molecular simulation of hybrid organic-inorganic nanoporous materials: synthesis and adsorption predictions <u>Miguel Jorge</u> , <u>Ryusuke Futamura</u> , <u>Christophe Siquet</u> and <u>José R. B. Gomes</u> <i>Faculty of Engineering, University of Porto, Portugal</i>	A1
16:55	PYCA	
17:25	Social Program	
20:30	Conference Dinner	

DETAILED PROGRAM

Friday, May 11th

		ROOM
9:00	PL4. Novel ionic liquids – New flexibility <u>Luís Paulo N. Rebelo</u> <i>Instituto de Tecnologia Química e Biológica, Universidade Nova de Lisboa, Portugal</i>	A1
9:50	OC13. Preparation and characterization of ionic liquids based on thioflavin T <u>Alexandra Costa</u> , Luís C. Branco and Isabel Marrucho <i>Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal</i>	A1
	OC28. One-step three-component vs two-step two-component microwave assisted synthesis of 4,6-diaryldehydropyrimidinethiones <u>Tiago E. B. Valadeiro</u> , Bruno F. O. Nascimento and M. Pineiro <i>University of Coimbra, Portugal</i>	A2
10:10	OC14. PDLC devices that consume lower power and are environmentally friendly <u>Ana Mouquinho</u> and João Sotomayor <i>Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal</i>	A1
	OC29. Molecular imprinted polymer on graphene nanosheets modified glassy carbon electrode for norfloxacin detection <u>Hélder da Silva</u> , Subramanian Viswanathan and Cristina Delerue-Matos <i>School of Engineering, ISEP, Polytechnic Institute of Porto, Portugal</i>	A2
10:30	FC7. The role of ionizable amino acid residues on peptide and protein folding: a time-resolved photoacoustic calorimetry experiment <u>Catarina S. H. Jesus</u> , Rui M. D. Nunes, Rui M. M. Brito, Luis G. Arnaut and Carlos Serpa <i>University of Coimbra, Portugal</i>	A1
	FC15. Halogen...Cyano group interaction: an energetic and structural analysis of monohalogenated benzonitrile isomers <u>Inês M. Rocha</u> and Manuel A.V. Ribeiro da Silva <i>Faculty of Science, University of Porto, Portugal</i>	A2
10:40	Coffee-break & Poster Session III	
11:10	FC8. Chemistry at the university: an approach to science dissemination for youngsters <u>Daniel Ribeiro</u> and Maria D. M. C. Ribeiro da Silva <i>Faculty of Science, University of Porto, Portugal</i>	A1
	FC16. Structural and thermodynamic study of nonlinear polyphenyls <u>Ana S. M. C. Rodrigues</u> , Marisa A. A. Rocha, Lígia R. Gomes, John L. Low and Luís M. N. B. F. Santos <i>Faculty of Science, University of Porto, Portugal</i>	A2
	OC15. A GC-MS method for the simultaneous identification and quantification of amino acids, fatty acids and sterols in marine organisms <u>David M. Pereira</u> , Juliana Vinholes, Patrícia Valentão, Paula Guedes de Pinho, Natércia Teixeira and Paula B. Andrade <i>Faculty of Pharmacy, University of Porto, Portugal</i>	A1

	OC30. Gold(I)-catalyzed intermolecular (4 + 2) and (2 + 2) cycloadditions of allenamides	A2
	<u>Hélio Faustino</u> , Fernando López and José L. Mascareñas <i>Universidad de Santiago de Compostela, Spain</i>	
11:40	Break	
11:50	PL5. Efficiency in chemistry: from hydrogen autotransfer to multicomponent catalysis	A1
	<u>Miguel Yus</u> <i>Facultad de Ciencias, Universidad de Alicante, Spain</i>	
12:40	Closing Ceremony	

POSTER SESSION

Wednesday, May 9th

- | | |
|-----|---|
| P1 | Synthesis of 9-methyl-6-methylamino-2-aryl purines as potential new ligands to adenosine receptors
<i>A. Brito, C. Correia, M. A. Carvalho and M. F. Proença
University of Minho, Portugal</i> |
| P2 | Chiral HPLC method for determination of the enantiomeric purity of new xanthone derivatives
<i>Carla Fernandes, Alexandre Santos, Maria Elizabeth Tiritan, Carlos Afonso and Madalena Pinto
Faculty of Pharmacy, University of Porto, Portugal</i> |
| P3 | Synthesis of new pyrimido[5,4-<i>d</i>]pyrimidines derivatives as potential antitubercular agents
<i>A. Gonçalves, A. Rocha, A. Brito, M. A. Carvalho and M. F. Proença
University of Minho, Portugal</i> |
| P4 | Biotransformation of primary aromatic amines by laccases
<i>Ana Catarina Sousa, Lígia O. Martins and M. Paula Robalo
Instituto Superior de Engenharia de Lisboa, Portugal</i> |
| P5 | Phenol glycosylation catalysed by zeolite HY
<i>Ana Assunção, Ana Jesus, Ana P. Carvalho and Amélia P. Rauter
Faculty of Science, University of Lisbon, Portugal</i> |
| P6 | Oxidative coupling of methane using nitrous oxide as oxidant over calcium-rare earth oxides nanoparticles
<i>Ana C. Ferreira, J. P. Leal and Joaquim B. Branco
Instituto Tecnológico e Nuclear, Universidade Técnica de Lisboa / FCUL, Portugal</i> |
| P7 | Fluorescent labelling of valine with a new benzo[<i>a</i>]phenoxazinium chloride functionalized at the 2- and 5-positions
<i>A. Daniela G. Firmino and M. Sameiro T. Gonçalves
University of Minho, Portugal</i> |
| P8 | Solvent-free microwave synthesis of 2-, 5- and 9-substituted benzo[<i>a</i>]phenoxazinium chlorides
<i>A. Daniela G. Firmino and M. Sameiro T. Gonçalves
University of Minho, Portugal</i> |
| P9 | Thermochemical study of the some fluoronitrophenol isomers
<i>Ana I. M. C. Lobo Ferreira and Manuel A.V. Ribeiro da Silva
Faculty of Science, University of Porto, Portugal</i> |
| P10 | Thermochemistry study of 2-methylbenzoxazole and 2-methylbenzothiazole
<i>Ana L. R. Silva, A. Cimas and Maria D. M. C. Ribeiro da Silva
Faculty of Science, University of Porto, Portugal</i> |
| P11 | Force field parameterization of cobalt-containing metalloproteins
<i>Ana C. V. Cunha, Sérgio F. Sousa, Pedro A. Fernandes and Maria J. Ramos
Faculty of Science, University of Porto, Portugal</i> |

P12	Pressure waves generated by light-absorbing thin films <u>A. P. Marques</u> , G. F. F. Sá, C. Serpa and L. G. Arnaut <i>University of Coimbra, Portugal</i>	
P13	Thermodynamic study of phase transitions in methyl esters of <i>ortho</i>-, <i>meta</i>- and <i>para</i>-aminobenzoic acids <u>Ana R. R. P. Almeida</u> and M. J. S. Monte <i>Faculty of Science, University of Porto, Portugal</i>	
P14	Monovacant polyoxometalates @ MIL-101: synthesis and heterogeneous catalytic studies <u>André D. S. Barbosa</u> , Filipe A. Almeida Paz, Baltazar de Castro, Salette S. Balula and Luís Cunha-Silva <i>Faculty of Science, University of Porto, Portugal</i>	
P15	Isolation and quantification of labdanolic acid from <i>Cistus ladaniferus</i> <u>André N. C. Martins</u> , L. M. T. Frija, S. Simeonov and C. A. M. Afonso <i>Faculdade de Farmácia da Universidade de Lisboa / Instituto Superior Técnico, Portugal</i>	
P16	Application of geochemistry software to corrosion studies <u>A. B. Oliveira</u> , A. C. Bastos, O. V. Karavai, A. A. Ferreira, M. L. Zheludkevich and M. G. S. Ferreira <i>University of Aveiro, Portugal</i>	
P17	Micro-electrochemical techniques to study localised corrosion <u>A. B. Oliveira</u> , A. C. Bastos, O. V. Karavai, M. L. Zheludkevich and M. G. S. Ferreira <i>University of Aveiro, Portugal</i>	
P18	Approach to the synthesis of nucleoside inhibitors of butyrylcholinesterase <u>Andreia Almeida</u> , Vasco Cachatra and Amélia P. Rauter <i>Faculty of Science, University of Lisbon, Portugal</i>	
P19	A green integrated biocatalytic system for the conversion of CO₂ and vegetable oils into biodiesel <u>Andreia Pimenta</u> , Pedro Vidinha and Susana Barreiros <i>Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal</i>	
P20	Development of ionic liquids based on biological compounds <u>Andreia Forte</u> , Luís C. Branco and César Laia <i>Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal</i>	
P21	Topical drug delivery of lidocaine and diclofenac gels: Viscoelastic properties and <i>in vitro</i> skin distribution studies <u>Ângela Correia</u> , Gonçalo F. F. Sá, Carlos Serpa and Luís G. Arnaut <i>University of Coimbra, Portugal</i>	
P22	Computational studies of Binol based phosphites and respective metal complexes at PM6 and DFT levels. Application in asymmetric hydrogenation of olefins. <u>Ângela C. B. Neves</u> , Rui M. B. Carrilho, Andreia F. Peixoto, Ana R. Almeida, Paulo E. Abreu, M. Calvete and Mariette M. Pereira <i>University of Coimbra, Portugal</i>	
P23	Gamma irradiation protects oleic acid from oxidation: an experiment in <i>Lactarius deliciosus</i> wild mushroom <u>Ângela Fernandes</u> , M. Beatriz P. P. Oliveira, Amílcar L. Antonio, Anabela Martins and Isabel C. F. R. Ferreira	

	<i>Instituto Politécnico de Bragança / Faculdade de Farmácia da Universidade do Porto, Portugal</i>	
P24	1,3-Dipolar cycloaddition of (2<i>R</i>,4<i>aR</i>,8<i>aS</i>)-2-phenyl-4,4<i>a</i>-dihydropyrano[3,2-<i>d</i>][1,3]dioxin-6(8<i>aH</i>)-one with aromatic diazomethyl compounds <i>António Ribeiro, Cristina E. A. Sousa, M. José Alves and A. Gil Fortes</i> <i>University of Minho, Portugal</i>	
P25	An efficient synthetic approach to 6-triazolopurines <i>A. Rocha, M. A. Carvalho and M. F. Proença</i> <i>University of Minho, Portugal</i>	
P26	A left-handed helical 3D metal-organic chiral framework derived from the decomposition of 3-amino-1<i>H</i>-1,2,4-triazole-5-carboxylic acid <i>Bing Liu, J. A. Fernandes, J. P. C. Tomé, F. A. Almeida Paz and L. Cunha-Silva</i> <i>University of Aveiro / Faculty of Science, University of Porto, Portugal</i>	
P27	Synthesis of new porphyrin-phosphonate derivatives for MOFs construction <i>Carla F. Pereira, João M. M. Rodrigues, Sérgio M. F. Vilela, Filipe A. Almeida Paz and João P. C. Tomé</i> <i>University of Aveiro, Portugal</i>	
P28	Application of an optimized ELISA assay in the assessment of 17β-estradiol levels in surface and waste waters from the Aveiro region (Portugal) <i>Carla P. Silva, Rudolf J. Schneider, Marta Otero and Valdemar I. Esteves</i> <i>University of Aveiro, Portugal</i>	
P29	Computational studies of Cu-catalyzed addition of azides to iodoalkynes <i>Carlos E. P. Bernardo and Pedro J. Silva</i> <i>University Fernando Pessoa, Portugal</i>	
P30	Screening of single-walled carbon nanotubes by optical fiber sensing <i>Celine I. L. Justino, Ana C. Freitas, Teresa A. P. Rocha-Santos and Armando C. Duarte</i> <i>University of Aveiro, Portugal</i>	
P31	Breath analysis by optical fiber sensor for the diagnosis of human health <i>Celine I. L. Justino, Lurdes I. B. Silva, Kátia R. Duarte, Ana C. Freitas, Teresa A. P. Rocha-Santos and Armando C. Duarte</i> <i>University of Aveiro, Portugal</i>	
P32	Determination of α-dicarbonyl compounds in foodstuff by HPLC-UV using gas-diffusion microextraction <i>Christiane M. Santos, Inês M. Valente, José A. Rodrigues and Aquiles A. Barros</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P33	Synthesis of <i>N</i>-ethyl β,β-diaryldehydroalanine and <i>N</i>-ethylindole derivatives <i>Cláudia Barroso and Luís S. Monteiro</i> <i>University of Minho, Portugal</i>	
P34	Magnetic core-shell nanoparticles as catalyst supports <i>Cristina I. Fernandes, Pedro D. Vaz and Carla D. Nunes</i> <i>Faculty of Science, University of Lisbon, Portugal</i>	
P35	Influence of different malt varieties on xanthohumol isomerization in pale and dark beers <i>Daniel O. Carvalho, Aquiles A. Barros and Luís F. Guido</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P36	The PROFILES project as a way to provide continuous professional development of the science teachers	

	<u>Daniel Ribeiro</u> , Carla Morais and João Paiva <i>Faculty of Science, University of Porto, Portugal</i>
P37	Chemical composition and antimicrobial activity of <i>Salvia sclareoides</i> Brot. extracts <u>Daniela Batista</u> , Alice Martins, Isabel Branco, Catarina Dias, Ana Neves, Jorge Justino and Amélia P. Rauter <i>Faculty of Science, University of Lisbon, Portugal</i>
P38	Functionalized Fe₃O₄/SiO₂ core/shell particles: new sorbents for the magnetic removal of aqueous Hg(II) <u>Daniela S. Tavares</u> , C. B. Lopes, A. L. Daniel-da-Silva, A. C. Duarte, E. Pereira and T. Trindade <i>University of Aveiro, Portugal</i>
P39	Application of ESI-MS/MS to the structural characterization of <i>Genista tenera</i> flavonoids and flavonoid glycosides <u>Diana Mendes</u> , Alice Martins, Paulo J. Amorim Madeira, Humberto E. Ferreira, José Condeço, Inês Fernandes, João C.M. Bordado and Amélia P. Rauter <i>Faculty of Science, University of Lisbon, Portugal</i>
P40	ELISA application on EE2 water monitoring <u>Diana L. D. Lima</u> , Rudolf J. Schneider and Valdemar I. Esteves <i>University of Aveiro, Portugal</i>

POSTER SESSION

Thursday, May 10th

P41	Photochemical properties of rigidified and non-rigidified heptamethine cyanine NIR dyes in solution and adsorbed onto polymers <i>Diana P. Ferreira, Luís F. Vieira Ferreira, A. S. Oliveira, Lucinda V. Reis, Paulo F. Santos, Susana S. Ramos and Paulo Almeida</i> <i>Instituto Superior Técnico da Universidade Técnica de Lisboa, Portugal</i>	
P42	Unveiling the catalytic mechanism of L-asparaginase II using computational methods <i>D. S. Gesto, N. M. F. S. A. Cerqueira, P. A. Fernandes and M. J. Ramos</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P43	Preparation of multifunctional fluorophore-doped silica nanoparticles for genetic detection applications <i>Diogo Ferreira, Cristina Neves, Pedro Quaresma, Craig Medforth, Eulália Pereira, Pedro V. Baptista and Peter Eaton</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P44	Pyridinium porphyrins and their host-guest interactions with cucurbituril macrocycles <i>Dora C. S. Costa, Vânia F. Pais, Artur M. S. Silva, José A. S. Cavaleiro, Uwe Pischel and João P. C. Tomé</i> <i>University of Aveiro, Portugal</i>	
P45	The reaction of anthranilonitrile with carbonyl compounds: a convenient synthesis of fused quinazolines <i>Elina Marinho and M. Fernanda Proença</i> <i>University of Minho, Portugal</i>	
P46	Synthesis of dihydroquinazolines by microwave irradiation <i>Elina Marinho and M. Fernanda Proença</i> <i>University of Minho, Portugal</i>	
P47	Mimicking bleaching reactions in cellulosic pulp: oxidation of xylo-oligosaccharides by alkaline hydrogen peroxide <i>Elisabete V. da Costa, Ana S. P. Moreira, Maria R. Domingues and Dmitry V. Evtuguin</i> <i>University of Aveiro, Portugal</i>	
P48	Analysis of pesticides in wine by coupled chromatographic techniques <i>E. Barros, P. Parpot, A. P. Bettencourt and C. Oliveira</i> <i>University of Minho, Portugal</i>	
P49	Composition of the volatile oil of <i>Eryngium dilatatum</i> Lam. <i>Eunice Fernandes, Lígia Salgueiro and Carlos Cavaleiro</i> <i>Faculty of Pharmacy, University of Coimbra, Portugal</i>	
P50	The solid - liquid phase diagram for BINOL enantiomer mixtures <i>Fabio A. Marins, Teresa M. R. Maria, João Canotilho, M. M. Pereira and M. Ermelinda S. Eusébio</i> <i>University of Coimbra, Portugal / Paulista State University "Júlio de Mesquita Filho", Brasil</i>	

P51	Regioselective modification of natural polyphenols and their glycosides through enzyme catalyzed reactions <i>Filipa Barradas, Margaux Matias, M. Manuel Silva and Jorge A. R. Salvador</i> <i>Faculty of Pharmacy, University of Coimbra, Portugal</i>	
P52	Prenylated xanthonic derivatives: an inspiration for synthesis of new inhibitors of growth of human tumor cell lines <i>F. Oliveira, R. Castanheiro, M. Pinto and J. A. R. Salvador</i> <i>Centro de Química Medicinal da Universidade do Porto, Portugal</i>	
P53	Synthesis of prenylated (E)-2-styrylchromones <i>Frederico R. Baptista, Diana C. G. A. Pinto, Artur M. S. Silva and José A. S. Cavaleiro</i> <i>University of Aveiro, Portugal</i>	
P54	Solid-phase peptide synthesis of bombesin analogs bearing unnatural amino acids with fluorescent and metal-chelating properties <i>Gonçalo M. A. Ribeiro, Silvia Maia, M. Manuela M. Raposo, Susana P. G. Costa and Paula Gomes</i> <i>University of Minho / Faculty of Science, University of Porto, Portugal</i>	
P55	Synthetic unnatural amino acids as fluorimetric probes for metallic cations <i>Gonçalo M. A. Ribeiro, Cátia I. C. Esteves, M. Manuela M. Raposo and Susana P. G. Costa</i> <i>University of Minho, Portugal</i>	
P56	Rhodium-phosphite catalyzed hydroformylation of natural products <i>Gonçalo N. Costa, Rui M. B. Carrilho, Juvêncio C. Ruas, Artur R. Abreu, M. José S. M. Moreno, Mariette M. Pereira</i> <i>Faculty of Science and Technology, University of Coimbra, Portugal</i>	
P57	Cytotoxic oxysterols: synthesis and biological evaluation of ketal derivatives <i>Hélia Jeremias, João F. S. Carvalho, M. Manuel Cruz Silva and M. Luisa Sá e Melo</i> <i>Centro de Neurociências e Biologia Celular / Faculdade de Farmácia da Universidade de Coimbra, Portugal</i>	
P58	3(5)-(2-Hydroxyphenyl)-5(3)-styryl-1H-pyrazoles: synthesis and reactivity studies on Diels-Alder transformations <i>Inês C. S. Cardoso, Vera L. M. Silva, Artur M. S. Silva and José A. S. Cavaleiro</i> <i>University of Aveiro, Portugal</i>	
P59	Gold nanoparticles functionalized with Gd³⁺ chelates as high relaxivity Contrast Agents for Magnetic Resonance Imaging <i>Janaína Gonçalves, Paula M. Ferreira, Carlos F. G. C. Geraldès, Lothar Helm and José A. Martins</i> <i>University of Minho, Portugal</i>	
P60	Synthesis of new titanocene(IV) carboxylate complexes: an alternative chemotherapeutic treatment against cancer <i>Jesús Ceballos-Torres, María J. Caballero-Rodríguez, Sanjiv Prashar, Reinhard Paschke, Dirk Steinborn, Goran N. Kaluđerović and Santiago Gómez-Ruiz</i> <i>Universidad Rey Juan Carlos, Spain</i>	
P61	Synthesis of new flavon-3-ols with potential antioxidant activity <i>Joana L. C. Sousa and Artur M. S. Silva</i> <i>University of Aveiro, Portugal</i>	
P62	Development of a new library of novel and reversible MAO-B inhibitors based on the benzopyranic nucleus: an overview <i>J. Reis, A. Gaspar, F. Cagide, E. Uriarte, S. Alcaro, F. Ortuso and F. Borges</i>	

	<i>Faculty of Science, University of Porto, Portugal</i>	
P63	Confinement effects over the energetic profile of a Menshutkin S_N2 reaction, a computational study <i>J. M. Martins and A. L. Magalhães</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P64	Environmental and pharmaceutical applications of cyclodextrin-assisted molecular encapsulation <i>José Dias, Marta Martins, E. Manuela Garrido, Maria J. Sottomayor, Fernanda Borges and Jorge Garrido</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P65	Thermodynamic study of two 9-substituted fluorene derivatives <i>Juliana A. S. A. Oliveira, Maria M. Calvino, Manuel J. S. Monte and Maria D. M. C. Ribeiro da Silva</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P66	Incorporation of polyfluorenes into poly(lactic acid) films for sensor and optoelectronics applications <i>L. Martelo, A. Jiménez, A. J. M. Valente, H. D. Burrows, A. T. Marques, M. Förster, U. Scherf, M. Peltzer and S. M. Fonseca</i> <i>University of Coimbra, Portugal / University of Alicante, Spain</i>	
P67	In situ oxalate formation from imidazole 4,5-dicarboxylic acid in ionothermal reactions <i>Ling Xu, Baltazar de Castro and Luís Cunha-Silva</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P68	Monitoring the production of biodiesel with real-time laser spectroscopy <i>Luís A. B. De Boni, Teresa M. R. Maria, M. M. Pereira and Isaac N. L. da Silva</i> <i>University of Coimbra, Portugal / Pontifical Catholic University of Rio Grande do Sul, Brasil</i>	
P69	New insights about malvidin-3-glucoside-catechin dimeric compound <i>Luís Cruz, Nuno Mateus and Victor de Freitas</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P70	Electrochemical mineralization of oxalic acid at metallic catalyst based on carbon nanotubes <i>M. F. Pinto, M. Ferreira, I. C. Neves, A. M. Fonseca, O. S. G. P. Soares, J. J. M. Órfão, M. F. R. Pereira, J. L. Figueiredo and P. Parpot</i> <i>University of Minho, Portugal</i>	
P71	Young chemists at IJUP: opportunities for research training at U. Porto <i>Marcela A. Segundo and Maria Rangel</i> <i>Faculty of Pharmacy, University of Porto, Portugal</i>	
P72	Characterisation of phenolic compounds from <i>Acacia melanoxylon</i> biomass extracts by capillary electrophoresis <i>Márcia A. Ribeiro, Alice I. Martins, Luísa B. Roseiro and Amélia P. Rauter</i> <i>Faculty of Science, University of Lisbon, Portugal</i>	
P73	Interaction of 4-chromanone with double stranded DNA: a UV spectroscopy study <i>Diana Sousa and M. J. Sottomayor</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P74	2D NMR Studies of sesquiterpene lactones with potential antitumoral activity <i>Maria H. R. Amorim, Rui M. Gil da Costa and Margarida M. S. M. Bastos</i>	

	<i>Engineering Faculty, University of Porto, Portugal</i>	
P75	High-resolution solid-state MAS NMR methods applied to structural studies of mammalian end-binding protein 3 <i>Mariana Sardo, Luis Mafra, João Rocha, Beat H. Meier and Anja Böckmann</i> <i>University of Aveiro, Portugal / Physical Chemistry, ETH-Zurich, Switzerland</i>	
P76	Electrocatalytic reduction of nitrate in water with mono and bimetallic catalysts supported on carbon nanotubes <i>M. Ferreira, M. F. Pinto, I. C. Neves, A. M. Fonseca, O. S. G. P. Soares, M. F. R. Pereira, J. J. M. Órfão, J. L. Figueiredo and P. Parpot</i> <i>University of Minho, Portugal</i>	
P77	Polycyclic aromatic hydrocarbons extraction from digestive glands by microwave-assisted and solid phase extraction <i>Marta Oliveira, Simone Morais, Filipa Gomes, Maria J. Ramalhosa and Cristina Delerue-Matos</i> <i>Instituto Superior de Engenharia do Porto, Portugal</i>	
P78	Electrochemical techniques applied to the study of pesticide's photodegradation <i>Cátia Costa, Marta Martins, Jorge Garrido, Fernanda Borges and E. Manuela Garrido</i> <i>Faculty of Science, University of Porto / School of Engineering, ISEP, Polytechnic Institute of Porto, Portugal</i>	
P79	Impact of antioxidants on the oxidation stability of biodiesel <i>Marta Martins, E. Manuela Garrido, Fernanda Borges and Jorge Garrido</i> <i>Faculty of Science, University of Porto / School of Engineering, ISEP, Polytechnic Institute of Porto, Portugal</i>	
P80	Mo(II) catalysts in the epoxidation of cy8: the effect of temperature, solvent and oxidants <i>Marta S. Saraiva, Carla D. Nunes and Maria José Calhorda</i> <i>Faculty of Science, University of Lisbon, Portugal</i>	

POSTER SESSION

Friday, May 11th

P81	Assessment of endpoint antioxidant capacity of red wines using a novel kinetic matching approach	<u>Miguel A. Maia</u> , Luís M. Magalhães, Luísa Barreiros, Salette Reis and Marcela A. Segundo <i>Faculty of Pharmacy, University of Porto, Portugal</i>
P82	A novel and efficient approach to 2-amino-6-cyanopurines	<u>Nádia Senhorães</u> , Alice Dias, and M. Fernanda Proença <i>University of Minho, Portugal</i>
P83	An and efficient synthesis of 3-amino[1,2,4]-triazoles	<u>Nádia Senhorães</u> , Alice Dias and M. Fernanda Proença <i>University of Minho, Portugal</i>
P84	The effect of conformational preorganization on the micellization of calixarene-based surfactants	<u>Nuno Basílio</u> , Luis García-Río and Manuel Martín-Pastor <i>Universidad de Santiago de Compostela, Spain</i>
P85	Primaquine peptidomimetic and organometallic derivatives against <i>Leishmania infantum</i>	<u>Nuno Vale</u> , Sílvia V. Costa, Ana Tomás, Rui Moreira, Maria S. Gomes and Paula Gomes <i>Faculty of Science, University of Porto, Portugal</i>
P86	New oxysterol derivatives on <i>Opisthorchis viverrini</i>	<u>Nuno Vale</u> , Maria João Gouveia, Mónica Botelho, Paula Gomes, Paul Brindley and José M. C. da Costa <i>Faculty of Science, University of Porto, Portugal</i>
P87	Photophysical study of complexation between β-lapachone-3-sulfonic acid with bovine serum albumin (BSA)	<u>Otávio A.Chaves</u> , Eduardo Benes, Edgar Schaeffer, Bauer O. Bernardes, Aurélio B. B. Ferreira, Jose C. Netto-Ferreira and Darí C. Sobrinho <i>University of Coimbra, Portugal / Universidade Federal Rural do Rio de Janeiro, Brazil</i>
P88	Synthesis of alkyl glycosides with potential application as antimicrobial agents	<u>Patrícia Serra</u> , Vasco Cachatra, Alice Martins and Amélia P. Rauter <i>Faculty of Science, University of Lisboa, Portugal</i>
P89	Pt and Ru complexes and porphyrins as sensitizers for dye-sensitized solar cells	<u>Patricia Jesus</u> , Carlos J. P. Monteiro, Paul A. Scattergood, Julia A. Weinstein, Carlos Serpa, Mariette M. Pereira and Luis G. Arnaut <i>University of Coimbra, Portugal</i>
P90	Multi-residue method for the analysis of veterinary pharmaceutical compounds in sludge	<u>Pedro N. Carvalho</u> , M. Clara P. Basto and C. Marisa R. Almeida <i>Faculty of Science, University of Porto, Portugal</i>
P91	Synthesis and characterization of novel alkaline and lanthanide metal alkoxides	<u>P. G. Rosado</u> , J. B. Branco, J. P. Ieal, L. M. Ferreira and J. J. H. Lancastre

	<i>Instituto Tecnológico e Nuclear, Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal</i>	
P92	Synthesis of 2-<i>N</i>-benzyl carboxamide derivates of 1-azafagomine Raquel Mendes, Vera C. M. Duarte, A. Gil Fortes and M. José Alves <i>University of Minho, Portugal</i>	
P93	One-pot method in the synthesis of diphosphonic-based lanthanide metal-organic frameworks Ricardo Mendes, Sérgio M. F. Vilela, Patrícia Silva, José A. Fernandes and Filipe A. Almeida Paz <i>University of Aveiro, Portugal</i>	
P94	Stability of simvastatin under different atmospheric humidities Ricardo G. Simões, João F. Pinto and Manuel E. Minas da Piedade <i>Faculty of Science, University of Lisboa, Portugal</i>	
P95	Enzymatic conversion of CO₂ to methanol: a spectroscopic approach Rita Craveiro, Pedro Vidinha and Susana Barreiros <i>Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal</i>	
P96	Setting a new biomolecular force-field: parameterizing manganese first coordination spheres from metalloproteins Rui P. P. Neves, Sérgio F. Sousa, Pedro A. Fernandes and Maria J. Ramos <i>Faculty of Science, University of Porto, Portugal</i>	
P97	Ionic liquids containing nitro and cyano groups Sandra Dias, Andreia Forte and Luís C. Branco <i>Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal</i>	
P98	Molecular fluorescence spectroscopy as a technique for the assessment of secondary organic aerosol formation during sampling of atmospheric particles Sandra M. S. Freire, Regina M. B. O. Duarte and Armando C. Duarte <i>University of Aveiro, Portugal</i>	
P99	Interaction of 3,4-dihydroxyxanthone with double stranded DNA in water/ethanol solutions Sara Leirosa, C. Sousa, M. J. Sottomayor and M. Pinto <i>Faculty of Science, University of Porto, Portugal</i>	
P100	Pedagogical material for the teaching of Organic Chemistry in the primary level Sérgio Leal and João P. Leal <i>Faculty of Science, University of Lisbon, Portugal</i>	
P101	Novel lanthanide phosphonate MOFs: synthesis, crystal structures, photoluminescent and catalytic properties Sérgio M. F. Vilela, Duarte Ananias, Ana C. Gomes, Anabela A. Valente, Luís D. Carlos, José A. S. Cavaleiro, João Rocha, João P. C. Tomé and Filipe A. Almeida Paz <i>University of Aveiro, Portugal</i>	
P102	The influence of microwave irradiation in the outcome of solid phase peptide synthesis Sílvia Maia, Miguel A. Fernandez and Paula Gomes <i>Faculty of Science, University of Porto, Portugal</i>	
P103	Bisphenol-A adsorption onto activated carbon. Langmuir and Freundlich isotherms and kinetics. Sofia Amaro and I. Macedo <i>University of Aveiro, Portugal</i>	

P104	Synthesis and evaluation of the biological activity of new flavonoid-porphyrin dyads <i>Sónia P. Lopes, Diana C. G. A. Pinto, Maria A. F. Faustino, Artur M. S. Silva, Maria G. P. M. S. Neves and José A. S. Cavaleiro</i> <i>University of Aveiro, Portugal</i>	
P105	Application of scientific computation in the chemistry education <i>Stéfano Araújo Novais and Fabio da S. Miranda</i> <i>Universidade Federal Fluminense, Rio de Janeiro, Brazil</i>	
P106	Biocompatible fluorescence based temperature sensor <i>Suzete Almeida, Sérgio Alves, José M. G. Martinho, José P. S. Farinha and Carlos Baleizão</i> <i>Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal</i>	
P107	Palladium/carbon catalyzed hydrogenolysis and hydrogenation of xanthene type fluorophores: a study by NMR <i>Tânia Moniz, Carla Queirós, Ana M. G. Silva, Galya Ivanova, Baltazar de Castro and Maria Rangel</i> <i>Instituto de Ciências Biomédicas de Abel Salazar, Portugal</i>	
P108	Synthesis and anticancer activity of a selection of quercetin analogues and their precursors <i>T. A. Dias, C. L. Duarte, M. F. Proença, C. F. Lima and C. Pereira-Wilson</i> <i>University of Minho, Portugal</i>	
P109	Synthesis of new molecules with the 4<i>H</i>-chromen-4-ylidene scaffold <i>T. A. Dias and M. F. Proença</i> <i>University of Minho, Portugal</i>	
P110	Nutritional value of Senegalese sole (<i>Solea senegalensis</i> Kaup, 1858) fed with eco-friendly diets <i>Telmo J. R. Fernandes, Sílvia D. Campos, Eduarda M. Cabral, Manuela Castro-Cunha, Luisa M. P. Valente and M. Beatriz P. P. Oliveira</i> <i>Faculty of Pharmacy, University of Porto, Portugal</i>	
P111	Biosensor development for pirimicarb pesticide determination <i>Thiago M. B. F. Oliveira, Simone Morais, Maria F. Barroso, Pedro de Lima-Neto, Adriana N. Correia, Maria B. P. P. Oliveira and Cristina Delerue-Matos</i> <i>School of Engineering, ISEP, Polytechnic Institute of Porto, Portugal</i>	
P112	Transition metal substituted polyoxometalates: potentialities in oxidation by hydrogen peroxide <i>Tiago A. G. Duarte, Ana C. Estrada, Isabel C. M. Santos, Mário M. Q. Simões, M. Graça P. M. S. Neves, Ana M. V. Cavaleiro and José A. S. Cavaleiro</i> <i>University of Aveiro, Portugal</i>	
P113	From 2-hydroxypyridine to 4(3<i>H</i>)-pyrimidinone: the role of aromaticity, hydrogen bonds and substituent effects in tautomeric equilibrium <i>Tiago L. P. Galvão, Inês M. Rocha and Manuel A. V. Ribeiro da Silva</i> <i>Faculty of Science, University of Porto, Portugal</i>	
P114	Fate of the antiepileptic drug carbamazepine at the water/soil interface <i>Vânia Calisto and Valdemar I. Esteves</i> <i>University of Aveiro, Portugal</i>	
P115	Structural and thermophysical studies of 9-acridanone and 10-methyl-9-acridanone	

	<u>Vera L. S. Freitas</u> , Paulo J. O. Ferreira and Maria D. M. C. Ribeiro da Silva <i>Faculty of Science, University of Porto, Portugal</i>
P116	Host:guest binding constant influenced by the host counterion <u>Vitor Francisco</u> , Nuno Basilio, and Luis Garcia-Rio <i>Universidad de Santiago de Compostela, Spain</i>
P117	The mathematical description for the electrochemical synthesis of heterocyclic compounds in galvanostatic mode <u>Volodymyr V. Tkach</u> , Vasyl V. Nechyporuk and Petro I. Yagodynets <i>Chernivtsi National University, Ukraine</i>