

Electrochemistry and Environment (EE)  
Synthesis and Applications of Heterocycles (HC)  
Synthesis and Applications of Amino acids (AA)  
Biological Chemistry (BC)

The siglas of the research groups indicate that members of that group are involved in the work.

Papers in international journals (ISI rated) 65

1. **HC<sub>1</sub>**.N. Senhorães, A.M. Dias, L.M. Conde, M.F. Proença, "One-Pot Regioselective Synthesis of 2,6,9-Trisubstituted Adenines", *Synlett*, 2011, 181-186. (IF<sub>2010</sub>: 2.447) <http://dx.doi.org/10.1055/s-0030-1259289>
2. **HC<sub>2</sub>** Xerardo García-Mera, José E. Rodríguez-Borges, M. Luísa C. Vale, Maria J. Alves "Highly diastereoselective synthesis of 2-azabicyclo[2.2.1]hept-5-ene derivatives: Bronsted acid catalyzed aza-Diels Alder reaction between cyclopentadiene and imino-acetates with two chiral auxiliaries" *Tetrahedron*, 2011, 67, 7162-7172. (IF<sub>10</sub> = 3.011). <http://dx.doi.org/10.1016/j.tet.2011.06.097>
3. **HC<sub>3</sub>**. M.-J.R.P. Queiroz, R.C. Calhella, L.A. Vale-Silva, E. Pinto, G.M. Almeida, M.H. Vasconcelos "Synthesis and Evaluation of Tumor Cell Growth Inhibition of Methyl 3-Amino-6-[(hetero)arylethynyl]thieno[3,2-*b*]pyridine-2-carboxylates. Structure-Activity Relationships, Effects on the Cell Cycle and Apoptosis", *Eur. J.Med.Chem.* 2011, 46, 236-240.(IF<sub>10</sub>=3.193) <http://dx.doi.org/10.1016/j.ejmech.2010.11.009>
4. **HC<sub>4</sub>**. R.M.V. Abreu, H.J.C. Froufe, P.O.M. Daniel, M.-J.R.P. Queiroz, I.C.F.R. Ferreira "Chem T, an open-source software for building template-based chemical libraries "SAR and QSAR in Environmental Research", 2011, 22, 603-610. (IF<sub>2010</sub>=1.560) <http://dx.doi.org/10.1080/1062936X.2011.604097>
5. **HC<sub>5</sub>**. E.M.S Castanheira, M.S.D. Carvalho, A.R.O. Rodrigues, R.C. Calhella, M.-J.R.P. Queiroz "New potential antitumoral fluorescent tetracyclic thieno[3,2-*b*]pyridine derivatives: Interaction with DNA and nanosized liposomes" *Nanoscale Research Letters*, 2011, 6, 379. (IF<sub>10</sub>=2.560) <http://dx.doi.org/10.1186/1556-276X-6-379>
6. **HC<sub>6</sub>**. A. Begouin, M.-J.R.P. Queiroz "Tandem Pd/C-CuI catalyzed Sonogashira coupling and intramolecular cyclization from 2-bromonicotinic acid and arylacetylenes to 4-azaphthalides and 5-azaisocoumarins" *Helvetica Chimica Acta*, 2011, 94 (10) 1792-1801. (IF<sub>10</sub>=1.284) <http://dx.doi.org/10.1002/hlca.201100060>
7. **HC<sub>7</sub>**. M. Zaki, M.F. Proença, "Synthesis of 6-cyano and 6-unsubstituted 2-aryl-8-oxopurine from a common 2-oxoimidazole precursor" *Tetrahedron*, 2011, 67(4), 755-762, (IF = 3.011). <http://dx.doi.org/10.1016/j.tet.2010.11.064>
8. **HC<sub>8</sub>**. M. Costa, M.F. Proença, "A one-pot synthesis of substituted pyrido[2,3-*b*]indolizines" *Tetrahedron*, 2011, 67(6), 1071-1075 (IF = 3.011) <http://dx.doi.org/10.1016/j.tet.2010.12.047>
9. **HC<sub>9</sub>**. M. Costa, F. Proença, "2-Aryl-1,9-dihydrochromeno[3,2-*d*]imidazoles: a facile synthesis from salicylaldehydes and arylideneaminoacetonitriles" *Tetrahedron*, 2011, 67(10), 1799-1804, (IF = 3.011) <http://dx.doi.org/10.1016/j.tet.2011.01.035>
10. **HC<sub>10</sub>**. M. Costa, F. Areias, M. Castro, J. Brea, M.I. Loza, F. Proença, "Synthesis of novel chromene scaffolds for adenosine receptors", *Organic and Bioorganic Chemistry*, 2011, 9(11), 4242-4249 (IF = 3.451). <http://dx.doi.org/10.1039/c1ob05305a>
11. **HC<sub>11</sub>**. M. Costa, F. Proença, "Selective synthesis of some imidazopyridine-fused chromones" *Tetrahedron*, 2011, 67, 8622 – 8627. (IF = 3.011). <http://dx.doi.org/10.1016/j.tet.2011.09.054>
12. **HC<sub>12</sub>**. D. Collado, J. Casado, S.R. González, J.T. López-Navarrete, R. Suau, E. Perez-Inestrosa, T.M. Pappenfus, M.M.M. Raposo, "Enhanced functionality for donor-acceptor oligothiophenes via inclusion of BODIPY: synthesis, electrochemistry, photophysics and model chemistry", *Chem. Eur. J.*, 2011, 17, 498-507. (IF<sub>10</sub> = 5.476) <http://dx.doi.org/10.1002/chem.201001942>

13. **HC<sub>13</sub>**. A.M. Dias, A.S. Vila-Chã, A.L. Costa, D.P. Cunha, N. Senhorães, M.F. Proença, "Versatile Synthesis of 5-Aminoimidazole-4-carboxylic Acid Derivatives" *Synlett*, 2011, 2675-2680. (IF<sub>10</sub> = 2.447) <http://dx.doi.org/10.1055/s-0031-1289528>
14. **HC<sub>14</sub>**. R.M.V. Abreu, I.C.F.R. Ferreira, R.C. Calhelha, R.T. Lima, M. H. Vasconcelos, F. Adegas, R. Chaves, M.-J.R.P. Queiroz, "Anti-hepatocellular carcinoma activity using human HepG2 cells and hepatotoxicity of 6-substituted methyl 3-aminothieno[3,2-b]pyridine-2-carboxylate derivatives: in vitro evaluation, cell cycle analysis and QSAR studies" *Eur. J. Med. Chem.*, 2011, 46, 5800-5806. (IF<sub>10</sub> = 3.193) <http://dx.doi.org/10.1016/j.ejmech.2011.09.029>
15. **HC<sub>15</sub>/AA<sub>1</sub>**. E.M.S. Castanheira, M.S.D. Carvalho, D.J.G. Soares, P.J.G. Coutinho, R.C. Calhelha, M.-J.R.P. Queiroz "Fluorescence studies on new potential antitumoral benzothienopyran-1-ones in solution and in liposomes", *J. Fluorescence*, 2011, 21, 911-922. (IF<sub>2010</sub>=1.966) <http://dx.doi.org/10.1007/s10895-010-0607-3>
16. **HC<sub>16</sub>/AA<sub>2</sub>**. B.F. Hermenegildo, G. Pereira, A.S. Abreu, E.M.S. Castanheira, P.M.T. Ferreira, M.-J.R. P. Queiroz, "Phenanthrenyl-indole as a fluorescent probe for peptides and lipid membranes", *J. Photochem. Photobiol. A: Chem.*, 2011, 221, 47-57. (IF<sub>11</sub>=2,243) <http://dx.doi.org/10.1016/j.jphotochem.2011.04.022>
17. **HC<sub>17</sub>/AA<sub>3</sub>**. A.S. Abreu, E.M. S. Castanheira, M.-J.R. P. Queiroz, P.M.T. Ferreira, L.A. Vale-Silva, E. Pinto, "Nanoliposomes for encapsulation and delivery of the potential antitumoral methyl 6-methoxy-3-(4-methoxyphenyl)-1*H*-indole-2-carboxylate", *Nanoscale Research Letters*, 2011, 6:482. (IF<sub>10</sub> = 2,560) <http://dx.doi.org/10.1186/1556-276X-6-482>
18. **HC<sub>18</sub>/AA<sub>4</sub>**. J. Gomes; L.O. Lunardi, F.H. Caetano, A.E.H. Machado, A.M.F. Oliveira Campos, L.M. Bendhack, C.N. Lunardi, "Biodegradable nanoparticles containing benzopsoalens: An attractive strategy for modifying vascular function in pathological skin disorders", *Journal of Applied Polymer Science* 2011, 121: 1348–1354. doi: 10.1002/app.33427 (IF<sub>10</sub> = 1.203) <http://dx.doi.org/10.1002/app.33427>
19. **HC<sub>19</sub>/AA<sub>5</sub>**. A.M. F. Oliveira-Campos, A.M. Salaheldin, F.A. Almeida Paz, L.M. Rodrigues "Synthesis of 3-indolylazoles and meridianin derivatives from indolyl enamionitriles" *ARKIVOC*, 2011, XI, 121-133 (IF<sub>10</sub>=1.096) <http://dx.doi.org/10.3998/ark.5550190.0012.b11>
20. **HC<sub>20</sub>/AA<sub>6</sub>**. R.M.F. Batista, E. Oliveira, S.P.G. Costa, C. Lodeiro, M.M.M. Raposo, "Imidazo-benzo-15-crown-5 ether bearing arylthienyl and bithienyl moieties as novel fluorescent chemosensors for Pd<sup>2+</sup> and Cu<sup>2+</sup>", *Tetrahedron*, 2011, 67, 7106-7113. (IF<sub>10</sub> = 3,011). <http://dx.doi.org/10.1016/j.tet.2011.06.106>
21. **HC<sub>21</sub>/AA<sub>7</sub>**. E. Oliveira, S.P.G. Costa, M.M.M. Raposo, O.N. Faza, C. Lodeiro, "Synthesis, characterization, fluorescence and DFT studies of new Cu<sup>2+</sup>, Ni<sup>2+</sup> and Hg<sup>2+</sup> complexes with emissive thienylbenzoxazolyl-alanine ligands", *Inorg. Chem. Acta*, 2011, 366, 154-160. (IF<sub>10</sub> = 1.899) <http://dx.doi.org/10.1016/j.ica.2010.10.025>
22. **HC<sub>22</sub>/AA<sub>8</sub>**. C.I.C. Esteves, M.M.M. Raposo, S.P.G. Costa, "Novel highly emissive non proteinogenic amino acids: synthesis of 1,3,4-thiadiazolyl asparagines and evaluation as fluorimetric chemosensors for biologically relevant transition metal cations", *Amino Acids*, 2011, 40, 1065-1075. (IF<sub>10</sub> = 4.106). <http://dx.doi.org/10.1007/s00726-010-0730-0>
23. **HC<sub>23</sub>/AA<sub>9</sub>**. E. Oliveira, D. Genovese, R. Juris, N. Zaccheroni, J.L. Capelo, M.M.M. Raposo, S.P.G. Costa, L. Prodi, C. Lodeiro, "Synthesis of new emissive peptides probes based on benzo[d]oxazol derivatives and their gold and sílica nanoparticles", *Inorg. Chem.*, 2011, 50, 8834-8849. (IF<sub>10</sub> = 4.325) <http://dx.doi.org/10.1021/ic200792t>
24. **HC<sub>24</sub>/AA<sub>10</sub>**. R.M.F. Batista, E. Oliveira, S.P.G. Costa, C. Lodeiro, M.M.M. Raposo, "(Oligo)thienyl-imidazo-crown ether derivatives: synthesis, photophysical studies and evaluation of their chemosensory properties", *Talanta*, 2011, 85, 2470-2478. (IF<sub>10</sub> = 3.722). <http://dx.doi.org/10.1016/j.talanta.2011.07.107>
25. **AA<sub>11</sub>**. P.M.T. Ferreira, L.S. Monteiro, E.M.S. Castanheira, G. Pereira, C. Lopes, H. Vilaça "Electrochemical reduction of dehydroamino acids: synthesis and photophysical properties of β, β-diarylalanines", *Tetrahedron*, 2011, 67, 193-200, (IF<sub>10</sub> = 3.011). <http://dx.doi.org/10.1016/j.tet.2010.10.087>

26. AA<sub>12</sub>. S. Naik, C.M.A. Alves, P.J.G. Coutinho, M.S.T. Gonçalves, "N-(Di)icosyl-substituted benzo[a]phenoxazinium chlorides: synthesis and evaluation as near-infrared membrane probes", *European Journal of Organic Chemistry*, 2011, 2491-2497. (IF<sub>10</sub> = 3.206). <http://dx.doi.org/10.1002/ejoc.201100653>
27. AA<sub>13</sub>. A.M. Piloto, A.M.S. Soares, G. Hungerford, S.P.G. Costa, M.S.T. Gonçalves, "Long wavelength photolysis of amino acid 6-(methoxy-2-oxo-2H-naphtho[1,2-b]pyran-4-yl)methyl esters", *Eur. J. Org. Chem.*, 2011, 5447-5451. (IF<sub>10</sub> = 3.206). <http://dx.doi.org/10.1002/ejoc.201100391>
28. AA<sub>14</sub>. C.M.A. Alves, S. Naik, P.J.G. Coutinho, M.S.T. Gonçalves, "Novel DNA fluorescence probes based on N-[5-(11-functionalised-undecylamino)-9H-benzo[a]phenoxazin-9-ylidene]propan-1-aminium chlorides: synthesis and photophysical studies", *Tetrahedron Letters*, 2011, 52, 112–116. (IF<sub>10</sub> = 2.618) <http://dx.doi.org/10.1016/j.tetlet.2010.10.165>
29. AA<sub>15</sub>. M.J.G. Fernandes, S.P.G. Costa, M.S.T. Gonçalves, "Phototriggering of neuroactive amino acids from 5,6-benzocoumarinyl conjugates", *Tetrahedron* 2011, 67, 2422-2426. (IF<sub>10</sub> = 3.011) <http://dx.doi.org/10.1016/j.tet.2011.01.090>
30. AA<sub>16</sub>. A.M. Piloto, A.M.S. Soares, G. Hungerford, S.P.G. Costa, M.S.T. Gonçalves, "Long-wavelength photolysis of amino acid 6-(methoxy-2-oxo-2H-naphtho[1,2-b]pyran-4-yl)methyl esters", *European Journal of Organic Chemistry*, 2011, 5447-5451. (IF<sub>10</sub> = 3.206) <http://dx.doi.org/10.1002/ejoc.201100391>
31. AA<sub>17</sub>. M.M. Fernandes, A.C. Gomes, A. Vasconcelos, F.-D. Munteanu, T. Tzanov, M.S.T. Gonçalves, N. End, K.-U. Schoening, G.M. Guebitz, A. Cavaco-Paulo, "Protein disulphide isomerase-assisted functionalization of keratin-based matrices", *Applied Microbiology and Biotechnology*, 2011, 90, 1311–1321. (IF<sub>10</sub> = 3.28) <http://dx.doi.org/10.1007/s00253-011-3194-6>
32. AA<sub>18</sub>. M. J. G. Fernandes, M. S. T. Gonçalves, S. P. G. Costa, "Phototriggering of neuroactive amino acids from 5,6-benzocoumarinyl conjugates", *Tetrahedron*, 2011, 67, 2422-2426. (IF<sub>10</sub> = 3,011) <http://dx.doi.org/10.1016/j.tet.2011.01.090>
33. EE<sub>1</sub>. R. Magalhães, N. Durães, J. Silva, M. Silva, V. Sencadas, G. Botelho, J.L. Gómez Ribelles, S. Lanceros-Méndez, "The role of solvent evaporation in the microstructure of electroactive b-poly(vinylidene fluoride) membranes obtained by isothermal crystallization", *Soft Materials*, 2011, 9, 1-14. (IF<sub>10</sub>= 2.088) <http://dx.doi.org/10.1080/1539445X.2010.525442>
34. EE<sub>2</sub>. R. Oliveira, J. Marques, F. Bento, D. Geraldo, P. Bettencourt, "Reducing Antioxidant Capacity Evaluated by means of a Controlled Potential Electrolysis", *Electroanalysis*, 2011, 23, 692–700. (IF<sub>10</sub> = 2.721) <http://dx.doi.org/10.1002/elan.201000485>
35. EE<sub>3</sub>. A.P. Samantilleke, M.F. Cerqueira, S.H. Evens, P. Warren, I.M. Dharmadasa, G.E.A. Muftah, C.J.R. Silva, B. Marí, "Analysis of the chemical bath deposition of CdS thin films on different substrates using electrolyte contacts", *Thin Solid Films*, 2011, 519, 7583-7586. <http://dx.doi.org/10.1016/j.tsf.2010.12.218>
36. EE<sub>4</sub>. F.M. Gray, M.J. Smith, M.V. Borges Silva, "Identification and characterization of textile fibers by thermal analysis", *J. Chem. Educ.*, 2011, 67, 476 – 479. (IF<sub>08</sub> = 0.300) <http://dx.doi.org/10.1021/ed1004068>
37. EE<sub>5</sub>. P.C. Barbosa, M. Fernandes, S.M.F. Vilela, A. Gonçalves, M.C. Oliveira, E. Fortunato, M.M. Silva, M.J. Smith, R. Rego, V. de Zea Bermudez, "Di-ureasil hybrids doped with LiBF<sub>4</sub>: Attractive candidates as electrolytes for smart windows", *Int. J. Electrochem. Sci.*, 2011, 6, 3355-3374. (IF<sub>10</sub> = 2.808) <http://dx.doi.org/10.1002/elan.201000485>
38. EE<sub>6</sub>. P.C. Barbosa, M. Fernandes, S.M.F. Vilela, M.M. Silva, M.J. Smith, V. de Zea Bermudez, "Di-ureasil hybrids doped with LiBF<sub>4</sub>: Spectroscopic study of the ionic interactions and hydrogen bonding", *Materials Chemistry and Physics*, 2011, 129, 385-393, (IF<sub>10</sub> = 2.353) <http://dx.doi.org/10.1016/j.matchemphys.2011.04.030>
39. EE<sub>7</sub>. P.C. Barbosa, L.C. Rodrigues, M.M. Silva, M.J. Smith, "Characterization of pTMC<sub>n</sub>LiPF<sub>6</sub> solid polymer electrolytes", *Solid State Ionics*, 2011, 193, 39-42 (IF<sub>10</sub> = 2.491). <http://dx.doi.org/10.1016/j.ssi.2011.03.005>

40. **EE<sub>8</sub>**. A. Gonçalves, C. Costa, S. Pereira, N. Correia, M.M. Silva, P.C. Barbosa, L.C. Rodrigues, I. Henriques, R. Martins, E. Fortunato, "Study of electrochromic devices with nanocomposites polymethacrylate hydroxyethylene resin based electrolyte", *Polymers for Advanced Technologies*, 2011, 22, 1-5. (IF<sub>10</sub> = 1.532) <http://dx.doi.org/10.1002/pat.1966>
41. **EE<sub>9</sub>**. A.V. Machado, G. Botelho, M.M. Silva, I.C. Neves, A.M. Fonseca, "Stability of nanocomposites of poly( $\epsilon$ -caprolactone) with tungsten trioxide", *J. Polymer Research*, 2011, 18, 1743-1749 (IF<sub>10</sub> = 1.532) <http://dx.doi.org/10.1007/s10965-011-9580-z>
42. **EE<sub>10</sub>**. E. Lima, R. Mattos, F. Sentanin, L.C. Rodrigues, M.M. Silva, R.A.S. Ferreira, L.D. Carlos, A. Pawlicka, "Functional novel polymer electrolytes containing europium picrate", *Materials Research Innovations*, 2011, 487-497 (IF<sub>10</sub> = 1.723) <http://dx.doi.org/10.1179/143307511X13031890747255>
43. **EE<sub>11</sub>**. M. Fernandes, S.S. Nobre, L.C. Rodrigues, A. Gonçalves, R. Rego, M.C. Oliveira, R.A. S. Ferreira, E. Fortunato, M.M. Silva, L.D. Carlos, V. de Zea Bermudez, "Li<sup>+</sup>- and Eu<sup>3+</sup>-doped poly( $\epsilon$ -caprolactone)/siloxane biohybrid electrolytes for electrochromic devices", *ACS Applied Materials & Interfaces*, 2011, 3, 2953-2965. (IF<sub>10</sub> = 2.925) <http://dx.doi.org/10.1021/am200391b>
44. **EE<sub>12</sub>**. I.Kuźniarska-Biernacka, K.Biernacki, A.L.Magalhães, A.M.Fonseca, I.C.Neves, "Catalytic behaviour of 1-(2-pyridylazo)-2-naphthol transition metal complexes encapsulated in Y zeolite", *Journal of Catalysis*, 2011, 278, 102-110. (IF<sub>10</sub>=5.415) <http://dx.doi.org/10.1016/j.jcat.2010.11.022>
45. **EE<sub>13</sub>**. N. Vilaça, R. Amorim, O. Martinho, R.M. Reis, F. Baltazar, A.M. Fonseca, I.C. Neves, "Encapsulation of alfa-cyano-4-hydroxycinnamic acid into a NaY zeolite", *Journal of Materials Science*, 2011, 46, 7511-7516. (IF<sub>10</sub> = 1.855) <http://dx.doi.org/10.1007/s10853-011-5722-2>
46. **EE<sub>14</sub>**. B. Silva, H. Figueiredo, V.P. Santos, M.F.R. Pereira, J.L. Figueiredo, A.E. Lewandowska, M.A. Bañares, I.C. Neves, T. Tavares, "Reutilization of Cr-Y zeolite obtained by biosorption in the catalytic oxidation of volatile organic compounds", *Journal of Hazardous Materials*, 2011, 92, 545-553 (IF<sub>10</sub> = 4.144). <http://dx.doi.org/10.1016/j.jhazmat.2011.05.056>
47. **EE<sub>15</sub>**. A.C. Lopes, C.M. Costa, C.J. Tavares, I.C. Neves, S. Lanceros-Mendez, "Nucleation of the Electroactive  $\gamma$  Phase and Enhancement of the Optical Transparency in Low Filler Content Poly(vinylidene)/Clay Nanocomposites", *Journal Physical Chemistry C*, 2011, 115 (37) 18076-18082. (IF<sub>10</sub> = 4.524) <http://dx.doi.org/10.1021/jp204513w>
48. **EE<sub>16</sub>**. L. Peixoto, B. Min, G. Martins, A.G. Brito, P. Kroff, P. Parpot, I. Angelidaki, R. Nogueira, "In situ microbial fuel cell-based biosensor for organic carbon" *Bioelectrochemistry*, 81 (2) (2011) 99. <http://dx.doi.org/10.1016/j.bioelechem.2011.02.002>
49. **EE<sub>17</sub>**. O. Carvalho, D. Soares, A. Fonseca, F.S. Silva, "Comparative study of tarnishing resistance of several coloured gold based alloys", *Corrosion Engineering, Science and Technology*, 2011, 46, 271-276. (IF<sub>10</sub> = 0.495) <http://dx.doi.org/10.1179/174327809X409213>
50. **EE<sub>18</sub>**. M.J. Medeiros, C. Pintaric, S. Olivero, E. Dunach, "Nickel-catalysed electrochemical carboxylation of allylic acetates and carbonates", *Electrochimica Acta*, 2011, 56, 4384–4389. (IF<sub>10</sub> = 3.642) <http://dx.doi.org/10.1016/j.electacta.2010.12.066>
51. **EE<sub>19</sub>**. M.J. Medeiros, C.S.S. Neves, A.R. Pereira, E. Duñach, "Electroreductive intramolecular cyclisation of bromoalkoxylated derivatives catalysed by nickel(I) tetramethylcyclam in "green" media", *Electrochimica Acta*, 2011, 56, 4498–4503. (IF<sub>10</sub> = 3.642) <http://dx.doi.org/10.1016/j.electacta.2011.02.054>
52. **EE<sub>20</sub>**. M. Fernandes, L.C. Rodrigues, R.A. Ferreira, A. Gonçalves, E. Fortunato, M.M. Silva, M.J. Smith, L.D. Carlos, V. de Zea Bermudez, "K<sup>+</sup>-doped poly( $\epsilon$ -caprolactone)/siloxane biohybrid electrolytes for electrochromic devices", *Solid State Ionics*, 2011, 204-205, 129-139 (IF<sub>10</sub> = 2.491) <http://dx.doi.org/10.1021/am200391b>
53. **EE<sub>21</sub>**. L.C. Rodrigues, M.M. Silva, M.J. Smith, A Gonçalves, E. Fortunato, "Preliminary characterisation of LiAsF<sub>6</sub> hybrid polymer electrolytes for electrochromic devices", *Electrochimica Acta*, 2011, 57, 52-57. (IF<sub>10</sub> = 3.642). <http://dx.doi.org/10.1016/j.electacta.2011.07.040>

54. **EE<sub>22</sub>**. A. P. Samantilleke, M. F. Cerqueira, S. Heavens, P. Warren, I. M. Dharmadasa, G. E. A. Muftah, C. J. R. Silva, B. Marí – Characterization of chemical bath deposited CdS thin films on different substrates using electrolyte contacts, *Thin Solid Films*, 2011, 519 7583-7586. <http://dx.doi.org/10.1016/j.tsf.2010.12.218>
55. **EE<sub>23</sub>**. A. California, V.F. Cardoso, C.M. Costa, V. Sencadas; G. Botelho, J.L. Gómez-Ribelles, S. Lancers-Mendez, “Tailoring porous structure of electroactive poly(vinylidene fluoride-trifluoroethylene) by controlling solvent/polymer ratio and solvent evaporation rate”, *European Polymer Journal*, 2011, 47, 2442-2450 (IF<sub>10</sub> = 2.517) <http://dx.doi.org/10.1016/j.eurpolymj.2011.10.005>
56. **EE<sub>24</sub>/HC<sub>25</sub>**. A.J. Mendonça, M. Inês, A.P. Esteves, D.I. Mendonça, M.J. Medeiros, “Kolbe electrosynthesis of 1,2-di(bicyclo[2.2.1]heptan-2-yl)ethane and 1,2-diphenylethane”, *Synthetic Communications*, 2011, 41, 820–825. (IF<sub>10</sub> = 0.937) <http://dx.doi.org/10.1080/00397911003668588>
57. **EE<sub>25</sub>/HC<sub>26</sub>**. M.M.M. Raposo, A.M.C. Fonseca, M.C.R. Castro, M. Belsley, M.F.S. Cardoso, L.M. Carvalho, P.J. Coelho, “Synthesis and characterization of novel diazenes bearing pyrrole, thiophene and thiazole heterocycles efficient photochromic and nonlinear optical (NLO) materials”, *Dyes Pigments*, 2011, 91, 62-73. (IF<sub>10</sub> = 2.635) <http://dx.doi.org/10.1016/j.dyepig.2011.02.012>
58. **EE<sub>26</sub>/HC<sub>27</sub>**. M.M.M. Raposo, M. Cidália R. Castro, A.M.C. Fonseca, Peter Schellenberg and M. Belsley, “Design, synthesis and characterization of the electrochemical, nonlinear optical properties and theoretical studies of novel thienylpyrrole azo dyes bearing benzothiazole acceptor groups”, *Tetrahedron*, 2011, 67, 5189-5198. (IF<sub>10</sub> = 3.011) <http://dx.doi.org/10.1016/j.tet.2011.05.053>
59. **EE<sub>27</sub>/HC<sub>28</sub>**. M.M.M. Raposo, M. Cidália R. Castro, M. Belsley, A.M.C. Fonseca, “Push-pull bithiophene azo-chromophores bearing thiazole and benzothiazole acceptor moieties: synthesis and evaluation of their redox and nonlinear optical properties”, *Dyes Pigments*, 2011, 91, 454-465. (IF<sub>10</sub> = 2.635) <http://dx.doi.org/10.1016/j.dyepig.2011.05.007>
60. **EE<sub>28</sub>/HC<sub>29</sub>**. P.J. Coelho, C.R. Castro, A.M.C. Fonseca, M.M. Raposo, “Photoswitching in azo dyes bearing thienylpyrrole and benzothiazole heterocyclic systems”, *Dyes Pigments*, 2011, 92, 745-748 (IF<sub>10</sub> = 2.635) <http://dx.doi.org/10.1016/j.dyepig.2011.06.019>
61. **BC<sub>1</sub>**. L. Cardoso, N.M. Micaelo, “DNA Molecular Solvation in Neat Ionic Liquids”, *ChemPhysChem*, 2011, 12, 275 – 277. (IF<sub>10</sub> = 3.339) <http://dx.doi.org/10.1002/cphc.201000645>
62. **BC<sub>2</sub>**. A. Fontes, M.I.M. Prata, C.F.G.C. Geraldes, J.P. André, “Ga(III) chelates of amphiphilic DOTA-based ligands: synthetic route and in vitro and in vivo studies”, *NuclEER Medicine and Biology*, 2011, 38, 363-370. (IF = 2,620) <http://dx.doi.org/10.1002/cphc.201000645>
63. **BC<sub>3</sub>**. J.M.C. Teixeira, D.M. Dias, F.J. Cañada, J.A. Martins, J.P. André, J.J. Barbero, C.F.G.C. Geraldes, “The Interaction of La<sup>3+</sup> Complexes of DOTA/DTPA Glycoconjugates with the RCA<sub>120</sub> lectin: A Saturation Transfer Difference (STD) NMR Spectroscopic Study”, *Journal of Biological Inorganic Chemistry*, 2011, 16, 725-734. (IF = 3,287) <http://dx.doi.org/10.1007/s00775-011-0773-z>
64. **BC<sub>4</sub>**. C. Caramelo-Nunes, T. Tente, P. Almeida, J.C. Marcos, C.T. Tomaz, “Specific berenil–DNA interactions: An approach for separation of plasmid - Isoforms by pseudo-affinity chromatography”, *Analytical Biochemistry*, 2011, 412, 153–158. (IF<sub>10</sub> = 3.236) <http://dx.doi.org/10.1016/j.ab.2011.01.033>
65. **BC<sub>5</sub>/HC<sub>30</sub>**. M.J. Alves, F.T. Costa, V.C.M. Duarte, A. Gil Fortes, J.A. Martins, N.M. Micaelo, “Advances in the synthesis of homochiral (–)-1-azafagomine and (+)-5-epi-1-azafagomine. 1-N-phenyl carboxamide derivatives of both enantiomers of 1-azafagomine: leads for the synthesis of active α-glycosidase inhibitors”, *J. Org. Chem.*, 2011, 76, 9584-9592. (IF<sub>10</sub> = 4.002) <http://dx.doi.org/10.1021/jo201486q>

1. **HC<sub>1</sub>**, M.-J.R.P. Queiroz, E.M.S. Castanheira, A.D.S. Oliveira, S. Dias, P.J.G. Coutinho, "Fluorescence studies of new potential antitumoral di(hetero)arylethers derivatives of a thieno[3,2-*b*]pyridine encapsulated in nanoliposomes" poster presented in the NanoBio&Med session, ImagineNano, 11-14 abril 2011, Bilbao, Spain.
2. **HC<sub>2</sub>**, R.M.V. Abreu, M.-J.R.P. Queiroz, I.C.F.R. Ferreira, R.C. Calhella, F.L. Adegas, R. Chaves, "New potential anti-hepatocellular carcinoma (HCC) agents: in vitro evaluation of anti-HCC activity and hepatotoxicity of 6-substituted methyl 3-aminothieno[3,2-*b*]pyridine-2-carboxylate" Cancer Meeting 28-29 abril 2011, IPATIMUP-Univ. Porto, Portugal.
3. **HC<sub>3</sub>**, D. Peixoto, S. Dias, H. Froufe, R.M.V. Abreu, I.C.F. R. Ferreira, M.-J.R.P. Queiroz, "Methyl 3-amino-6-[4- or 3- or 2- (3-aryleido)phenyl]thieno[3,2-*b*]pyridine-2-carboxylates: synthesis and molecular modelling studies using VEGFR-2", 2nd Iberic Meeting on Medicinal Chemistry, 11th-15th junho 2011, Porto, Portugal.
4. **HC<sub>4</sub>**, D. Peixoto, R. C. Calhella, S. Dias, H. Froufe, R.M.V. Abreu, I.C.F.R. Ferreira, M.-J.R.P. Queiroz, "Methyl 3-[4-(3-aryleido)phenylamino]thieno[3,2-*b*]pyridine-2-carboxylates as potential inhibitors of VEGFR-2: synthesis and molecular modelling studies", 2nd Iberic Meeting on Medicinal Chemistry, 11th-15th junho 2011, Porto, Portugal.
5. **HC<sub>5</sub>**, P. Soares, H. Froufe, R.M.V. Abreu, I.C.F.R. Ferreira, F. Borges, M.-J.R.P. Queiroz, "1-Aryl-3-[4-(thieno[3,2-*d*]pyrimidin-4-yloxy)phenyl]ureas as potential inhibitors of VEGFR-2: synthesis and molecular modeling studies", 2<sup>nd</sup> Iberic Meeting on Medicinal Chemistry, 12-15 junho 2011, Fac. Ciências, Univ. Porto, Portugal.
6. **HC<sub>6</sub>**, P. Soares, H. Froufe, R.M.V. Abreu, I.C.F.R. Ferreira, F. Borges, M.-J.R.P. Queiroz, "1-Aryl-3-[4-(7-methylthieno[3,2-*d*]pyrimidin-4-yloxy)phenyl]ureas: synthesis and molecular modeling studies using VEGFR-2", 2<sup>nd</sup> Iberic Meeting on Medicinal Chemistry, 12-15 junho 2011, Fac. Ciências, Univ. Porto, Portugal.
7. **HC<sub>7</sub>**, R. Abreu, H. Froufe, M.-J.R.P. Queiroz, I.C.F.R. Ferreira "VEGFR2 selective residue flexibility enriches AutoDock Vina docking results", 2<sup>nd</sup> Iberic Meeting on Medicinal Chemistry, 12-15 junho 2011, Fac. Ciências, Univ. Porto, Portugal.
8. **HC<sub>8</sub>**, M.-J.R.P. Queiroz, S. Dias, P. Soares, D. Peixoto, "Synthesis of di(hetero)arylethers in the thieno[3,2-*b*]pyridine series by copper/N,N-dimethylglycine catalyzed C-O coupling", 17th European Meeting of Organic Chemistry 10-15 julho 2011, Crete-Greece.
9. **HC<sub>9</sub>**, M.-J. R. P. Queiroz, R.C. Calhella, S. Dias, D. Peixoto, "Synthesis of 1,3-diaryl(thio)ureas in the thieno[3,2-*b*]pyridine series by palladium-catalyzed couplings and reactions with aryliso(thio)cyanates" 23rd International Congress on Heterocyclic Chemistry, 31 julho-4th agosto, Glasgow, Scotland.
10. **HC<sub>10</sub>**, G. Pereira, P.M.T. Ferreira, H. Vilaça, "Synthesis of new dehydroamino acids using copper catalyzed C-N couplings", 22nd American Peptide Symposium, San Diego - California (USA), 25-30 junho, 2011.
11. **HC<sub>11</sub>**, A.M. Estévez Reino, A. Gil Fortes, J.C. Estévez Cabanas, R.J. Estévez Cabanas, "Recent studies on the synthesis polyhydroxylated cyclic  $\alpha$ -aminoacids", oral communication, 9th International Meeting of the Portuguese Carbohydrate Chemistry Group and 5th Iberian Carbohydrate Meeting, Vila Real, Portugal, setembro 2011.
12. **HC<sub>12</sub>**, M.J. Alves, V.C.M. Duarte, A. Gil Fortes, "A concise synthesis of 8a-*epi*-swainsonine analogue", 9th International Meeting of the Portuguese Carbohydrate Chemistry Group and 5th Iberian Carbohydrate Meeting, Vila Real, Portugal, setembro 2011.
13. **HC<sub>13</sub>**, M.J. Alves, F.T. Costa, A. Gil Fortes, "Synthesis of 5-substituted piperazinic acid precursors", 9th International Meeting of the Portuguese Carbohydrate Chemistry Group and 5th Iberian Carbohydrate Meeting, Vila Real, Portugal, setembro 2011.
14. **HC<sub>14</sub>**, V.C.M. Duarte, A. Gil Fortes, M.J. Alves, "Enantioselective Diels-Alder methodology in the synthesis of azasugars", 9th International Meeting of the Portuguese Carbohydrate Chemistry Group and 5th Iberian Carbohydrate Meeting, Vila Real, Portugal, setembro 2011.
15. **HC<sub>15</sub>**, C.E.A. Sousa, M.J. Alves, A. Gil Fortes, "Highly selective 1,3-dipolar cycloadditions of dienophiles to dipolarophiles bearing a D-eritrose unit as a chiral inductor", IX Glupor, setembro 2011.

16. **HC<sub>16</sub>**. M.J. Alves; F.T. Costa; V.C.M. Duarte; D.A.L. Salgueiro; C.E.A Sousa; "Asymmetric Diels-Alder Cycloadditions in the Synthesis of Iminosugars" Comunicação Oral Convidada, Meeting on Iminosugars in the International Year of Chemistry, Santiago de Compostela, setembro 2011.
17. **HC<sub>17</sub>**. L. Duarte, B.M. Giuliano, I. Reva, A.M.F. Oliveira-Campos, R. Fausto, "FTIR Spectroscopic and Theoretical Study of Two Matrix-Isolated Azo Compounds", XIX International Conference on "Horizons in Hydrogen Bond Research", Gottingen, Germany, 11-17 september 2011.
18. **HC<sub>18</sub>**. A.P. Esteves, "Application of click chemistry to the synthesis of glycosyl-coupled triazoles bearing amino acids and heteroaromatic compounds" (comunicação convidada), Glupor 9 - 9th International Meeting of the Portuguese Carbohydrate Group/5th Iberian Carbohydrate Meeting, Vila Real (Portugal), 4-7 setembro 2011.
19. **HC<sub>19</sub>/AA<sub>1</sub>**. A.S. Abreu, E.M.S. Castanheira, B. F. Hermenegildo, M-J.R.P. Queiroz, P.M.T. Ferreira, RICI4 - "Interaction of new fluorescent 2-quinolinone and coumarin derivatives with phospholipid monolayers and lipid vesicles", 4<sup>th</sup> Iberian Meeting on Colloids and Interfaces - Porto (Portugal), 13-15 julho, 2011.
20. **HC<sub>20</sub>/AA<sub>2</sub>**. C.S. Francisco, L.R. Rodrigues, A. Oliveira-Campos, L.M. Rodrigues, "Synthesis of novel psoralen analogues and their anti-proliferative effect on human cancer cell lines", 23rd International Congress of Heterocyclic Chemistry, ICHC2011, Glasgow, Reino Unido, 31 de julho a 4 de agosto, 2011.
21. **HC<sub>21</sub>/AA<sub>3</sub>**. T.A.D Pinto, M.F. Silva, S.D. Cunha, L.M. Rodrigues, A.M. Oliveira-Campos, R. Hrdina, A.P. Esteves, "Synthesis of esters derived from (4-(2-hydroxyethyl)-(1,2,3)triazol-1-yl) 2,3,4,6-tetra O-acetyl-b-D-glucopyranose, 23rd International Congress of Heterocyclic Chemistry, ICHC2011, Glasgow, Reino Unido, 31 de julho a 4 de agosto, 2011.
22. **HC<sub>22</sub>/AA<sub>4</sub>**. M. Silva, T. Pinto, R. Hrdina, A. Oliveira-Campos, L. Rodrigues, A. Esteves, "Synthesis of esters derived from [4-(2-hydroxy-ethyl)-[1,2,3]triazol-1-yl-2,3,4,6-tetra-O-acetylglucopyranose" (\*comunicação oral convidada), Glupor 9 - 9th International Meeting of the Portuguese Carbohydrate Chemistry Group/5th Iberian Carbohydrate Meeting, Vila Real, Portugal, 4-7 de setembro 2011.
23. **HC<sub>23</sub>/AA<sub>5</sub>**. S. Cunha, S. Pereira, M. Malheiro, L. Rodrigues, A. Esteves, "Synthesis of several precursors of glycoconjugates containing a 1,2,3-triazole unit", Glupor 9 - 9th International Meeting of the Portuguese Carbohydrate Chemistry Group/5th Iberian Carbohydrate Meeting, Vila Real, 4-7, setembro, 2011.
24. **HC<sub>24</sub>/AA<sub>6</sub>**. R.M.F. Batista, S.P.G. Costa, M. Belsley, M.M.M. Raposo, "Synthesis and characterization of novel push-pull thiophene and thienylpyrrole derivatives functionalized with indanonedicyanovinyl acceptor moiety as efficient NLO-chromophores", International Conference on Applications of Optics and Photonics (AOP2011), Braga, Portugal, 3 a 7 de maio de 2011.
25. **HC<sub>25</sub>/AA<sub>7</sub>**. R.M.F. Batista, M.E. Moragues, S.P.G. Costa, F. Sancenón, R. Martínez-Mañez, M.M.M. Raposo, "Synthesis and evaluation of thiosemicarbazones functionalized with furyl moieties as new chemosensors for anion recognition", Twelfth Tetrahedron Symposium, Sitges, Espanha, 21 a 24 de junho de 2011.
26. **HC<sub>26</sub>/AA<sub>8</sub>**. S.P.G. Costa, R.C.M. Ferreira, E.R.M. Afonso, M.M.M. Raposo, "Recognition of metallic ions by unnatural amino acids bearing, oxygen, sulphur and nitrogen heterocycles: synthesis and interaction studies with relevant metals", Twelfth Tetrahedron Symposium, Sitges, Espanha, 21 a 24 de junho de 2011.
27. **HC<sub>27</sub>/AA<sub>9</sub>**. R.M.F. Batista, M.M.M. Raposo, S.P.G. Costa, "Optical chemosensors for organic and inorganic anions based on an amino acid core functionalised with benzimidazole", 17th European Symposium on Organic Chemistry (ESOC 2011), 10 a 15 de julho de 2011, Hersonissos, Grécia.
28. **HC<sub>28</sub>/AA<sub>10</sub>**. P.M.R. Batista, M.M.M. Raposo, S.P.G. Costa, "Unnatural benzocrown ether amino acids as recognition and signalling units for the fluorescent sensing of metallic cations", 17th European Symposium on Organic Chemistry (ESOC 2011), 10 a 15 de julho de 2011, Hersonissos (Creta), Grécia.

29. **HC<sub>29</sub>/EE<sub>1</sub>/AA<sub>11</sub>**. I. Kuźniarska-Biernacka, E. Delafond, R.M.F. Batista, S.P.G. Costa, M.M.M. Raposo, I.C. Neves, A.M. Fonseca, "Phenol oxidation using new Cu(II) and Fe(II) complexes under heterogeneous conditions", European Catalysis X Congress (EuropaCat X), Catalysis across the disciplines, 28 de agosto a 2 de setembro de 2011, Glasgow, Escócia.
30. **AA<sub>12</sub>**. M.J.G. Fernandes, S.P.G. Costa, M.S.T. Gonçalves, "Synthesis and light triggering by UV/vis irradiation of pyrenylbutanoic ester conjugates of purine nucleosides", comunicação em painel (P2.108), 17th European Symposium on Organic Chemistry (ESOC 2011), Creta, Grécia, 10 a 15 de julho de 2011.
31. **AA<sub>13</sub>**. A.S.C. Fonseca, M.S.T. Gonçalves, S.P.G. Costa, "A comparative study on the photolytic release of a model amino acid from benzoquinolone and benzocoumarin conjugates in different solvents", (P2.107), 17th European Symposium on Organic Chemistry, Creta, Grécia, 10 a 15 de julho de 2011.
32. **AA<sub>14</sub>**. A.M. Piloto, S.P.G. Costa, M.S.T. Gonçalves, "Application of acridine as a photocleavable protecting group in the release of neurotransmitter amino acids from the corresponding acridinyl conjugates", (P2.109), ESOC-15, 17th European Symposium on Organic Chemistry, Creta, Grécia, 10 a 15 de julho de 2011.
33. **AA<sub>15</sub>**. B.R.Raju, A.L.S. Costa, P.J.G. Coutinho, M.S.T. Gonçalves, "Novel cationic near infrared fluorescent probes possessing ester, hydroxyl and amino functional groups in different combinations", (P216), 12th Conference on Methods and Applications of Fluorescence, Spectroscopy, Imaging and Probes, Estrasburgo, França, 11 a 14 setembro de 2011.
34. **AA<sub>16</sub>**. A.D.G. Firmino, M.S.T. Gonçalves, "Synthesis and photophysical properties of *N*-(5-amino-2-substituted-10-methyl-9*H*-benzo[*a*]phenoxazin-9-ylidene)ethanaminium chlorides", The 15th International Electronic Conference on Synthetic Organic Chemistry (ECSOC-15), 1 a 30 de novembro de 2011.
35. **AA<sub>17</sub>**. A.D.G. Firmino, M.S.T. Gonçalves, "New benzo[*a*]phenoxazinium chlorides with chlorinated terminals at 2- and 9-positions", 15th International Electronic Conference on Synthetic Organic Chemistry (ECSOC-15), 1 a 30 de novembro de 2011.
36. **AA<sub>18</sub>**. N. Micaelo, M.S.T. Gonçalves, P.J.G. Coutinho, "Membrane permeation properties of benzo[*a*]phenoxazinium fluorescent probes using molecular modelling techniques", 15th International Electronic Conference on Synthetic Organic Chemistry (ECSOC-15), 1 a 30 de novembro de 2011.
37. **AA<sub>19</sub>**. B.R. Raju, A.L.S. Costa, P. J.G. Coutinho, M.S.T. Gonçalves, "Acid-base equilibria studies and photophysics in AOT w/o microemulsions of (bi)functionalized benzo[*a*]phenoxazinium chlorides", 15th International Electronic Conference on Synthetic Organic Chemistry (ECSOC-15), 1 a 30 de novembro de 2011.
38. **AA<sub>20</sub>**. M.S.T. Gonçalves, S.P.G. Costa, A.M. Piloto, A.M.S. Soares, G. Hungerford, "Photolysis of amino acid ester derivatives elucidated via time-resolved fluorescence", FluoroFest, HORIBA Scientific workshop series, Munique, Alemanha, 29 de novembro a 1 de dezembro de 2011.
39. **AA<sub>21</sub>/BC<sub>1</sub>**. P.M.T. Ferreira, J.A. Martins, E.M.S. Castanheira, M.F. Ferreira, G. Pereira, "Synthesis of a new 2,6-bis-(oxazole)pyridine ligand as a sensitizer for luminescent Ln(III) complexes", ESOC2011, 17th European Symposium on Organic Chemistry, Hersonissos - Crete (Greece), 10-15 julho de 2011.
40. **AA<sub>22</sub>/BC<sub>2</sub>**. H. Vilaça, G. Pereira, J. Fernandes, J.A. Martins, P.M.T. Ferreira, "Dehydropeptides *N*-conjugated with naproxen as hydrogelators", The 13th European Symposium on Organic Reactivity, Tartu (Estonia), 11-16 setembro de 2011.
41. **EE<sub>2</sub>**. G. Botelho, A. Cibrão, G. Ferrer, N.M. Alves, J.F. Mano "Development of new multilayer films based on chitosan and dopamine-modified hyaluronic acid", 2nd Scientific Meeting of Biological and Biomimetic Adhesives", Mons, Bélgica, 18 a 20 de maio de 2011.
42. **EE<sub>3</sub>**. P. Martins, G. Botelho, S. Lanceros-Mendez, J. Gutierrez, J.M. Barandiaran, "Ferroelectricity and magnetic response of multiferroic nanocomposites films based on



- ferrite/PVDF-TrFE nanocomposites”, European Meeting on Ferroelectricity, Bordeus, França, 26 de Junho a 2 de julho de 2011.
43. **EE<sub>4</sub>**. G. Botelho, R. Santos, C. Cramez, A. V. Machado, “Natural and accelerated weathering of acrylonitrile-butadiene-styrene”, 5th European Weathering Symposium, Lisboa, Portugal, 21 a 23 de setembro de 2011.
  44. **EE<sub>5</sub>**. D.M. Correia, V. Sencadas, A. Areia, G. Botelho, A.M. Fonseca, I.C. Neves, J.L. Gómez-Ribelles, S. Lanceros-Mendez, “Determination of the parameters affecting electrospun chitosan fiber size distribution and morphology”, VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18 a 20 de abril de 2011.
  45. **EE<sub>6</sub>**. A. Araújo, L. Ferreira, C. Aguiar, G. Botelho, I.C. Neves, A.M. Fonseca, “Antibacterial activity of Ag-Zeolites”, VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18 a 20 de abril de 2011.
  46. **EE<sub>7</sub>**. I. Moura, A.V. Machado, G. Botelho, “UV Stability of biobased copolymers”, VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18 a 20 de abril de 2011.
  47. **EE<sub>8</sub>**. R. Gonçalves, A.C. Lopes, G. Botelho, I.C. Neves, A.M. Fonseca, S. Lanceros-Mendez, “Electrical response evaluation of PVDF/NaY nanocomposites”, VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18 a 20 de abril de 2011.
  48. **EE<sub>9</sub>**. R.M. Santos, C. Cramez, G. Botelho, A.V. Machado, “Effect of weathering conditions on the degradation behavior of ABS”, VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18 a 20 de abril de 2011.
  49. **EE<sub>10</sub>**. J. C. Dias, V. Sencadas, C. Ribeiro, G. Botelho, J. L. Gómez-Ribelles, S. Lanceros-Mendez, “Influence of fiber diameter and crystallinity on the degradation rate of electrospun poly(L-lactide acid)”, VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18 a 20 de abril de 2011.
  50. **EE<sub>11</sub>**. C. Teixeira, F. Bento, D. Geraldo, E. González-Romero, “Preliminary electrochemical studies of biotoxins on screen printed electrodes”, Marine and Freshwater Toxins Analysis Second Joint Symposium and AOAC Task Force Meeting, Baiona, Espanha, 1 a 5 de maio 2011.
  51. **EE<sub>12</sub>**. M.J. Neto, J.M.S.S. Esperança, M.J. Medeiros, M.M. Silva, “Potential Electrolytes for Electrochemical Applications of Ionic Liquids”, Symposium IL Mat, Viena, Austria, 04 a 06 de dezembro de 2011.
  52. **EE<sub>13</sub>**. C.J.R. Silva, M.J.M. Gomes, “Gel materials based on hybrid matrix incorporating nanoparticles”, Cost Action MP0803 - Plasmonic components and devices workshop meeting, Prague, Czech Republic, 21 de abril de 2011.
  53. **EE<sub>14</sub>**. S.D. Moreira, C.J.R. Silva, M.F.M Costa, M.J.M. Gomes, L.A.S.A. Prado, “Characterization of flexible holographic imprint in different hybrid organic- inorganic matrices: ureasilicate (Ureasil) matrix and matrix derived from epoxy resin”, AOP2011 - International Conference on Applications of Optics and Photonics, Braga, Portugal, 3 a 7 de maio de 2011.
  54. **EE<sub>15</sub>**. A.C. Lopes, C.M. Costa, A.M. Fonseca, I.C. Neves, S. Lanceros-Mendez, “Nucleation of Electroactive  $\gamma$ -phase and enhancement of optical transparency in poly(vinylidene)/clay composites”, The 20th IEEE International Symposium on Applications of Ferroelectrics and International Symposium on Piezoresponse Force Microscopy & Nanoscale Phenomena in Polar Materials, 2011, Vancouver, Canadá.
  55. **EE<sub>16</sub>**. N. Vilaça, R. Amorim, O. Martinho, R.M. Reis, F. Baltazar, A.M. Fonseca, I.C. Neves, “Anticancer drugs encapsulated in zeolites”, VI International Materials Symposium MATERIAIS 2011, XV Meeting of SPM - Sociedade Portuguesa de Materiais, Guimarães, Portugal, 18 a 20 de abril de 2011.
  56. **EE<sub>17</sub>**. 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, P. Parpot, “Bimetallic electrocatalysts supported on carbon nanotubes for oxidation of organic compounds in water”, VI International Materials Symposium MATERIAIS 2011, XV Meeting of SPM - Sociedade Portuguesa de Materiais, Guimarães, Portugal, 18 a 20 de abril de 2011.

57. EE<sub>18</sub>. N. Vilaça, R. Amorim, F. Baltazar, A.M. Fonseca, I.C. Neves, “DDS based in anticancer drugs encapsulated in zeolites”, EuroNanoForum 2011, Budapeste, Hungria, 30 de maio a 1 de junho de 2011.
58. EE<sub>19</sub>. M. Ferreira, M.F. Pinto, O.S.G.P. Soares, M.F.R. Pereira, J.J.M. Órfão, J.L. Figueiredo, I.C. Neves, A.M. Fonseca, P. Parpot, “Oxidation of organic compounds in water by electrocatalysts based on carbon nanotubes”, EuroNanoForum 2011, Budapeste, Hungria, 30 de maio a 1 de junho de 2011.
59. EE<sub>20</sub>. H. Figueiredo, I.C. Neves, A.M. Fonseca, "Phenol Oxidation Using New Cu(II) And Fe(II) Complexes Under Heterogeneous Condition", EuropaCat X, Glasgow, Scotland, 28 de agosto a 2 de setembro de 2011.
60. EE<sub>21</sub>. L. Peixoto, A.F.S. Santos, I. Machado, A.M. Sousa, A.G. Brito, P. Parpot, M.O. Pereira, R. Nogueira, " Influence of the Temperature in the electronic transfer mechanism of Geobacter sulfurreducens", 3rd Microbial Fuel Cell Conference, Leeuwarden, Netherland, 6 a 8 de Junho de 2011.
61. EE<sub>22</sub>. L.C. Rodrigues, M.M. Silva, M.J. Smith, “Investigation of Poly (ε-caprolactone)/ siloxane biohybrids based on lithium tetrafluoroborate”, Hybrid Materials 2011, Estrasburgo, França, 6 a 10 março de 2011.
62. EE<sub>23</sub>. M. Fernanades, L.C. Rodrigues, R.A. Sá Ferreira, M.M. Silva, V. de Zea Bermudez, L.D. Carlos, “Li+/Er<sup>3+</sup>-doped biohybrid electrolytes for electrochromic devices”, Hybrid Materials 2011, Estrasburgo, França, 6 a 10 março de 2011.
63. EE<sub>24</sub>. R.D. Alves, L.C. Rodrigues, M.M. Silva, “Study and characterization of a novel polymer electrolyte based on agar doped with magnesium triflate”, VI International Materials Symposium MATERIAIS 2011 (XV meeting of SPM – Sociedade Portuguesa de Materiais) Guimarães, Portugal, 18 a 20 abril de 2011.
64. EE<sub>25</sub>. J.F. Ribeiro, M.F. Silva, L.M. Goncalves, M.M. Silva, J.H. Correia, “Thin-film improved materials for solid-state lithium batteries”, VI International Materials Symposium MATERIAIS 2011 (XV meeting of SPM – Sociedade Portuguesa de Materiais) Guimarães, Portugal, 18 a 20 abril de 2011.
65. EE<sub>26</sub>. R. Alves, E. Lima, L.C. Rodrigues, F. Sentanin, A. Pawlicka, M.M. Silva, “Applications of natural macromolecules in electrochromic devices”, 11th International Conference on Frontiers of Polymers and Advanced Materials, University of Pretoria, South Africa, 22 a 27 maio de 2011.
66. EE<sub>27</sub>. R. Alves, L.C. Rodrigues, F. Sentanin, A. Pawlicka, L. Pereira, R. Martins, E. Fortunato, M.M. Silva, “GelatinenZn(CF<sub>3</sub>SO<sub>3</sub>)polymer electrolytes for electrochromic devices”, 11th International Conference on Frontiers of Polymers and Advanced Materials, University of Pretoria, South Africa, 22 a 27 maio de 2011.
67. EE<sub>28</sub>. L.C. Rodrigues, M.M. Silva, M.J. Smith, A. Gonçalves, E. Fortunato, “Applications of hybrid organic-inorganic materials in devices”, 11th International Conference on Frontiers of Polymers and Advanced Materials, University of Pretoria, South Africa, 22 a 27 maio de 2011.
68. EE<sub>29</sub>. J.F. Ribeiro, M.F. Silva, L.M. Goncalves, J.P. Carmo, J.H. Correia, M.M. Silva, F. Cerqueira, P. Alpuim, J.-E. Bourée, “Thin-film solid-state rechargeable lithium batteries”, 22nd Micromechanics and Micro Systems Europe Workshop (MME2011), Toensberg, Norway, 19 a 22 de junho de 2011.
69. EE<sub>30</sub>. C.M. Costa, A. California, V.F. Cardoso, V. Sencadas, L.C. Rodrigues, M.M. Silva, S. Lanceros-Méndez, “Electroactive Poly(Vinylidene Fluoride – Trifluorethylene) (PVDF-TrFE) microporous membranes for Lithium-ion battery applications”, EMF 2011 European Meeting on Ferroelectricity, Bordeús, França, 26 de junho a 02 de julho, 2011.
70. EE<sub>31</sub>. F. Vieira, J.C. Morgado, J. Almeida, M.M. Silva, J. Sá, “Representações da vida académica: o papel do ensino na Universidade”, Congreso Internacional de Docencia Universitaria, Vigo, Espanha, 30 de junho a 3 de julho de 2011.
71. EE<sub>32</sub>. S. Devesa, J.L. Coelho da Silva, M.M. Silva, “Um contributo da Universidade na aproximação do cidadão à ciência”, Actas do congresso II Congreso Internacional de Docencia Universitaria, Vigo, Espanha, 30 de junho a 3 de julho de 2011.

72. **EE<sub>33</sub>**. F. Vieira, J.C. Morgado, J. Almeida, M.M. Silva, "Faculty views of academic life: perceived culture vs. ideal perspectives", ECER 2011 "Urban Education", Berlin, Alemanha, de 13 a 16 de setembro de 2011.
73. **EE<sub>34</sub>**. M.M. Silva, L.C. Rodrigues, R. Alves, R. Leones, J. Carvalho, A. Gonçalves, L. Pereira, R. Martins, E. Fortunato, "Polymer electrolytes for solid state devices", E-MRS 2011 Fall Meeting, Varsóvia, Polónia, de 19 a 23 de setembro de 2011.
74. **EE<sub>35</sub>**. L.C. Rodrigues M.M. Silva, M.J. Smith, A. Gonçalves, E. Fortunato, "Biohybrids with application in "smart windows"", E-MRS 2011 Fall Meeting, Varsóvia, Polónia, de 19 a 23 de setembro de 2011.
75. **EE<sub>36</sub>**. L.C. Rodrigues, M.M. Silva, M.J. Smith, "Synthesis and characterization of amorphous pEO/p(TMC)polymer blend electrolytes", E-MRS 2011 Fall Meeting, Varsóvia, Polónia, de 19 a 23 de setembro de 2011.
76. **EE<sub>37</sub>**. R. Leones, F. Sentanin, L.C. Rodrigues, R.A.S. Ferreira, I.M. Marrucho, J.M.S.S. Esperança, A. Pawlicka, L.D. Carlos, M.M. Silva, "Novel polymer electrolyte based on gelatin and ionic liquids", E-MRS 2011 Fall Meeting, Varsóvia, Polónia, de 19 a 23 de setembro de 2011.
77. **EE<sub>38</sub>**. R. Leones, F. Sentanin, L.C. Rodrigues, I.M. Marrucho, J.M.S.S. Esperança, A. Pawlicka, M.M. Silva, "Investigation of polymer electrolyte based on agar and ionic liquids", E-MRS 2011 Fall Meeting, Varsóvia, Polónia, de 19 a 23 de setembro de 2011.
78. **EE<sub>39</sub>**. R. Alves, A. Ramos, L.C. Rodrigues, J. Carvalho, L. Pereira, R. Martins, E. Fortunato, M.M. Silva, "Thermal properties and conductivity studies of blends based cellulose", E-MRS 2011 Fall Meeting, Varsóvia, Polónia, de 19 a 23 de setembro de 2011.
79. **EE<sub>40</sub>**. R. Alves, L.C. Rodrigues, F. Sentanin, L. Pereira, R. Martins, E. Fortunato, M.M. Silva, "Thin-film based on AgarnMgn(CF<sub>3</sub>SO<sub>3</sub>)<sub>2</sub> for electrochromic devices", E-MRS 2011 Fall Meeting, Varsóvia, Polónia, de 19 a 23 de setembro de 2011.
80. **EE<sub>41</sub>**. M.M. Silva, L.C. Rodrigues, R. Leones, A. Pawlicka, R.A. Sá Ferreira, L.D. Carlos, "Characterization of flexible DNA films", Symposium IL Mat, Viena, Austria, de 04 a 06 de dezembro de 2011.
81. **EE<sub>42</sub>**. Peixoto L., Brito A.G., Parpot P., Nogueira R., "Development of a Compact Microbial Fuel Cell for Isolated Environments", 2011 International Workshop on Environment and Alternative Energy, organized by NASA and C3P, Noordwijk, The Netherlands 15 to 18 November 2011.
82. **EE<sub>43</sub>/HC<sub>30</sub>**. A.P. Bettencourt, M.E.A. Zaki, M.F. Proença, "Avaliação do comportamento electroquímico de novas imidazo[4,5-d]pirrolo[3,2-f][1,3]diazepinas substituídas", XVII Encontro Galego-Português de Química, Pontevedra, Espanha, 9 a 11 de novembro de 2011.
83. **EE<sub>44</sub>/HC<sub>31</sub>**. M. Cidália R. Castro, A.M.C. Fonseca, M. Belsley, M.M.M. Raposo, "Synthesis and evaluation of NLO properties of pi-conjugated donor-acceptor systems bEERING pyrrole and thiophene heterocycles", International Conference on Applications of Optics and Photonics (AOP2011), Braga, Portugal, 3 a 7 de maio de 2011.
84. **EE<sub>45</sub>/HC<sub>32</sub>**. M. Cidália R. Castro, A.M.C. Fonseca, M. Belsley, M.M.M. Raposo, "Highly efficient and thermally stable NLO organic materials based on pyrrole and thiophene heterocycles", International Conference on Applications of Optics and Photonics (AOP2011), Braga, Portugal, 3 a 7 de maio de 2011.
85. **EE<sub>46</sub>/HC<sub>33</sub>**. M. Cidália R. Castro, A.M.C. Fonseca, M. Belsley, M.M.M. Raposo, "Synthesis and characterization of novel second-order NLO chromophores bearing pyrrole as an auxiliary electron donor", 17th European Symposium on Organic Chemistry (ESOC 2011), Hersonissos, Creta, Grécia, 10 a 15 de julho de 2011.
86. **EE<sub>47</sub>/HC<sub>34</sub>**. M. Cidália R. Castro, A.M.C. Fonseca, M. Belsley, M.M.M. Raposo, "Synthesis, redox and quadratic nonlinear optical properties of novel thienylpyrrole derivatives containing pyridinium electron-acceptor group", 17th European Symposium on Organic Chemistry (ESOC 2011), Hersonissos, Creta, Grécia, 10 a 15 de julho de 2011.
87. **EE<sub>48</sub>/HC<sub>35</sub>**. M. Cidália R. Castro, A.M.C. Fonseca, M. Belsley, M.M.M. Raposo, "Synthesis and characterization of pyrrole-based pyridinium salts as novel heterocyclic

- NLO materials", 23rd International Congress on Heterocyclic Chemistry (ICHC-23), Glasgow, Escócia, 32 de julho a 4 de agosto de 2011.
88. **EE<sub>49</sub>/HC<sub>36</sub>**. R.F. Araújo, M.F. Proença C.J.R. Silva, M.C. Paiva, "The Diels-Alder cycloaddition reaction of 1,3-butadiene to MWCNT", IMAGINENANO - NANOSPAIN 2011, Bilbao, Spain, 11 a 14 de abril de 2011.
  89. **EE<sub>50</sub>/HC<sub>37</sub>**. O. Rodrigues, I. Kuzniarska-Biernacka, A. Carvalho, K. Biernacka, A. Magalhães, I.C. Neves, A.M. Fonseca, "Nanocatalysis prepared by encapsulation of manganese (III) complex into NaY Zeolite", VI International Materials Symposium MATERIAIS 2011, XV Meeting of SPM - Sociedade Portuguesa de Materiais, Guimarães, Portugal, 18 a 20 de abril de 2011.
  90. **EE<sub>51</sub>/HC<sub>38</sub>**. I. Kuźniarska-Biernacka, E. Delafond, R.M.F. Batista, S.P.G. Costa, M.M.M. Raposo, I.C. Neves, A.M. Fonseca, "Phenol Oxidation Using New Cu(II) And Fe(II) Complexes Under Heterogeneous Condition", EuropaCat X, Glasgow, Scotland, 28 de agosto a 2 de setembro de 2011.
  91. **BC<sub>3</sub>**. A. de Sá, C.F.G.C. Geraldes, J.P. André, "NODAHep: a new triaza dicarboxylic chelator for manganese(II)", EU COST D38 Final Meeting, Oxford, United Kingdom, 13 a 15 de setembro de 2011.
  92. **BC<sub>4</sub>**. P. Jorge, N. Silva, J.A. Martins, J.C. Marcos, "Amino Acids as Ligands for the Affinity Purification of Plasmids in Aqueous Two-Phase Systems", Affinity 2011, 19th Biennial Meeting of the International Society for Molecular Recognition, Tavira, Portugal, 16 a 19 junho de 2011.
  93. **BC<sub>5</sub>**. C.C. Nunes, M.F. Gabriel, P. Almeida, J.C. Marcos, C.T. Tomaz, "Purification of plasmid DNA from non clarified lysates using berenil as ligand in pseudo-affinity chromatography", Affinity 2011, 19th Biennial Meeting of the International Society for Molecular Recognition, Tavira, Portugal, 16 a 19 junho de 2011.
  94. **BC<sub>6</sub>**. C.C. Nunes, M.F. Gabriel, P. Almeida, J.C. Marcos, C.T. Tomaz, "Purification of Plasmid DNA from Clarified Cell Lysates by a Single Chromatographic Step using Berenil as Ligand", 24th International Symposium of Preparative and Process chromatography (PREP 2011), Boston, USA, 10 a 13 de julho de 2011.
  95. **BC<sub>7</sub>**. D.R. Cruz, N.M. Micaelo, "Computer aided fragment-based drug design", Drug Discovery Chemistry 2011, Cambridge HealthTech Institute, San Diego, USA, 10 a 16 de abril de 2011.
  96. **BC<sub>8</sub>**. D.R. Cruz, N.M. Micaelo, "Computer aided fragment-based drug design", ELRIG Drug Discovery 2011, Manchester, UK, 7 a 8 de setembro de 2011.
  97. **BC<sub>9</sub>**. N.M. Micaelo, M. S.T. Gonçalves, P.J.G. Coutinho, "Membrane permeation properties of benzo[a]phenoxazinium fluorescent probes using molecular modelling techniques", 15th International Electronic Conference on Synthetic Organic Chemistry - (ECSOC-15), 1 a 30 de novembro de 2011
  98. **BC<sub>10</sub>/AA<sub>23</sub>**. M.F. Ferreira, C. Martins, J.A. Martins, P.M.T. Ferreira, M.I.M. Prata, C.F.G.C. Geraldes, M. Mousavi, L. Helm, "Synthesis, characterization and relaxometric evaluation of gold nanoparticles functionalized with Gd<sup>3+</sup> chelates of new DO3A-N-a-aminopropionate amide thiol derivatives as MRI contrast agents", COST Chemistry D38: Metal-based systems for molecular imaging applications, joint WG 2 and WG 6, Turim, Italy, 24-26 março de 2011.
  99. **BC<sub>11</sub>/AA<sub>24</sub>**. M.F. Ferreira, A.F. Martins, C. Martins, G. Pereira, J.A. Martins, P.M.T. Ferreira, M.I.M. Prata, S. Petoud, E. Toth, C.F.G.C. Geraldes, "Synthesis, characterization and relaxometric evaluation of Ln<sup>3+</sup> chelates of new DOTA-(D)-Ala-aminopropionate amide ligand derivatives as MRI contrast agents", COST Chemistry D38: Metal-based systems for molecular imaging applications, joint WG 2 and WG 6, Turim, Italy, 24-26 março de 2011.
  100. **BC<sub>12</sub>/AA<sub>25</sub>**. G. Pereira, E.M.S. Castanheira, M. F. Ferreira, J.A. Martins, P.M. T. Ferreira, "New pyridine-bis(oxazole) ligands as sensitizers for luminescent Ln<sup>3+</sup> complexes", COST Chemistry D38: Metal-based systems for molecular imaging applications, Final Meeting, Oxford, United Kingdom, 13-15 setembro de 2011.

101. **BC<sub>13</sub>/AA<sub>26</sub>**. M.F. Ferreira, C. Martins, J.A. Martins, P.M.T. Ferreira, M.I.M. Prata, C.F.G.C. Gerales, M. Mousavi, L. Helm, "Synthesis, characterization and relaxometric evaluation of gold nanoparticles functionalized with Gd<sup>3+</sup> chelates as high relaxivity Contrast Agents for MRI", COST Chemistry D38: Metal-based systems for molecular imaging applications, Final Meeting, Oxford, United Kingdom 13-15 setembro de 2011.

#### Papers in national journals **2**

1. **EE<sub>1</sub>**. I. Kuźniarska-Biernacka, "Obchody stulecia przyznania Marii Skłodowskiej-Curie nagrody Nobla w zakresie chemii, w Portugalii", *Orbital*, 2011, 143-144.
2. **BC<sub>1</sub>**. J.P. André, A. de Sá, "Radioisótopos e sociedade: O legado de Marie Curie 100 anos depois", *Química (Boletim da Sociedade Portuguesa de Química)*, 2011, 120, 31-37.

#### Communications in national conferences **63**

1. **HC<sub>1</sub>**. R. Abreu, H. Froufe, I.C.F.R. Ferreira, M.-J.R.P. Queiroz, "Rational design of thieno[3,2-*b*]pyridines as potential new VEGFR-2 inhibitors based on improved docking scores" selected for oral communication (H.F.) XXII Encontro Nacional da Sociedade Portuguesa de Química (SPQ), Braga, 3 - 6 julho de 2011.
2. **HC<sub>2</sub>**. R.C. Calhelha, R. Abreu, M. Vilas-Boas, M.-J.R.P. Queiroz, I.C.F.R. Ferreira "Chemical, biochemical and electrochemical assays to evaluate antioxidant properties of three new diarylamines in the thieno[3,2-*b*]pyridine series" XXII Encontro Nacional da Sociedade Portuguesa de Química (SPQ), Braga, 3 - 6 julho de 2011.
3. **HC<sub>3</sub>**. M.-J.R.P. Queiroz, D. Peixoto, "Synthesis of 1,3-diarylureas from different (thieno[3,2-*b*]pyridin-7-ylthio)anilines" XXII Encontro Nacional da Sociedade Portuguesa de Química (SPQ), Braga, 3 - 6 de julho 2011.
4. **HC<sub>4</sub>**. S.A. Heleno, L. Barros, A. Martins, M.-J.R.P. Queiroz, C. Santos-Buelga, I.C.F.R. Ferreira, "Phenolic compounds and antioxidant activity of fruiting body and spores of wild *Ganoderma lucidum*", XXII Encontro Nacional da Sociedade Portuguesa de Química (SPQ), selected for oral communication (S.H.) Braga, 3 - 6 julho de 2011.
5. **HC<sub>5</sub>**. A. Begouin, M.-J.R.P. Queiroz "Tandem Pd/C-CuI catalyzed Sonogashira coupling and intramolecular cyclization from 2-bromonicotinic acid and arylacetylenes to 4-azaphthalides and 5-azaisocoumarins", XXII Encontro Nacional da Sociedade Portuguesa de Química (SPQ), Braga, 3 - 6 julho de 2011.
6. **HC<sub>6</sub>**. R.C. Calhelha, I.C.F.R. Ferreira, R.M.V. Abreu, L.A. Vale-Silva, E. Pinto, R.T. Lima, M.I. Alvelos, M.H. Vasconcelos M.-J.R.P. Queiroz, 3rd Congress of the Portuguese Society of Pharmaceutical Sciences, 9th Portuguese-Spanish Conference on Controlled Drug Delivery Oporto, 13 a 15 outubro de 2011.
7. **HC<sub>7</sub>**. A. Brito, M.A. Carvalho, C. Correia, M.F. Proença, "Synthesis of 6-amino or 6-carbamoyl purines for SAR studies on adenosine receptors", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
8. **HC<sub>8</sub>**. A. Gonçalves, A. Rocha, M.A. Carvalho, M.F. Proença, "6-Cyanopurines: versatile reagents to generate potentially bioactive compounds", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
9. **HC<sub>9</sub>**. A. Rocha, M.A. Carvalho, M.F. Proença, "Synthesis of new 6-carboximidamide purines with potential biological activity", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
10. **HC<sub>10</sub>**. C.E.A. Sousa, M.J. Alves, A. Gil Fortes, D.A.L. Salgueiro, V.C.M. Duarte, "The synthesis of an homochiral aziridine as a useful synthon to iminosugars and amino acid compounds", XXII Encontro Nacional Sociedade Portuguesa Química, Braga, 3 - 6 julho de 2011.
11. **HC<sub>11</sub>**. D.A.L. Salgueiro, M.J. Alves, Vera C.M. Duarte, A. Gil Fortes, C.E.A. Sousa, N.M. Micaelo, "Synthesis of 1-azafagomine analogue and 1-*N*-phenyl carboxamide 1-azafagomine containing erythrose units", XXII Encontro Nacional Sociedade Portuguesa Química, Braga, 3 - 6 julho de 2011.

12. **HC<sub>12</sub>**. R. Mendes, V.C.M. Duarte, A. Gil Fortes, M.J. Alves, J.A. Martins, N.M. Micaelo, "Chemoenzymatic synthesis of 1-azafagomine analogues", XXII Encontro Nacional Sociedade Portuguesa Química, Braga, 3 - 6 julho de 2011.
13. **HC<sub>13</sub>**. A.M. Dias, I. Cabral, N. Senhorães, M.F. Proença; "The Synthesis of Isoguanines and Pyrroles from a Common Imidazole Intermediate", XXI Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
14. **HC<sub>14</sub>**. L.P. Carneiro, A.M. Dias, M.F. Proença, "The Synthesis of [1,2,4]-Triazolo[5,1-i]purines: Two Competitive Reaction Pathways", XXI Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho 2011.
15. **HC<sub>15</sub>**. N. Senhorães, A.M. Dias, M.F. Proença, "The Regioselective Synthesis of 2,6,9-Trisubstituted Adenines: a mechanistic approach", XXI Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
16. **HC<sub>16</sub>**. N. Senhorães, F. Areias, M. Castro, J. Brea, M.I. Loza, A.M. Dias, M.F. Proença, "Synthesis of 2,6,9-trissubstituted adenine scaffold for adenosine receptors", Porto 2011.
17. **HC<sub>17</sub>**. M.A.D. Rodrigues, A.P. Esteves "Corantes naturais: uma alternativa aos indicadores de pH convencionais" XXI Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
18. **HC<sub>18</sub>/AA<sub>1</sub>**. A.S. Abreu, E.M.S. Castanheira, B.F. Hermenegildo, M.-J.R.P. Queiroz, P.M.T. Ferreira "Fluorescence studies of 3-amino-4-phenylquinolin-2-one in solution and in lipid membranes" XXII Encontro Nacional da Sociedade Portuguesa de Química (SPQ), Braga, 3 - 6 julho de 2011.
19. **HC<sub>19</sub>/AA<sub>2</sub>**. C. Bernardo, A.M.F. Oliveira-Campos, A.P. Esteves, L.M. Rodrigues, "Síntese de derivados de carbolinas", XXII Encontro da Sociedade Portuguesa de Química, Braga, 3 - 6 julho 2011.
20. **HC<sub>20</sub>/AA<sub>3</sub>**. T.A.D. Pinto, R. Hrdina, G. Kirsch, A.M.F. Oliveira-Campos, L.M. Rodrigues, A.P. Esteves, "Synthesis of esters derived from 2,3,4-tri-O-benzyl-alpha-D-methylglucoside", XXII Encontro da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
21. **HC<sub>21</sub>/AA<sub>4</sub>**. A.S. Abreu, E.M.S. Castanheira, B.F. Hermenegildo, M.-J.R.P. Queiroz, P.M.T. Ferreira, "Fluorescence studies of 3-amino-4-phenylquinolin-2-one in solution and in lipid membranes", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
22. **AA<sub>5</sub>**. M.S.T. Gonçalves, "Benzo[a]phenoxazines as fluorescent probes for biomolecules", (QO-CC 5), XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
23. **AA<sub>6</sub>**. A.D.G. Firmino, M.S.T. Gonçalves, "Functionalised benzo[a]phenoxazinium chlorides: synthesis and covalent labeling", (QO-CP 006), XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
24. **AA<sub>7</sub>**. B.R. Raju, A.L.S. Costa, P.J.G. Coutinho, M.S.T. Gonçalves, "Synthesis and photophysical properties of side-chain chlorinated 5,9-diaminobenzo[a]phenoxazinium salts", (QO-CP 013), XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 - 6 julho de 2011.
25. **AA<sub>8</sub>**. A.M.S. Soares, S.P.G. Costa, M.S.T. Gonçalves, "Naphtho-oxazole cages for the photolytic release of butyric acid", (QO-CP 030), XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
26. **AA<sub>9</sub>**. A.M. Piloto, S.P.G. Costa, M.S.T. Gonçalves, "Evaluation of 2-(9H-carbazol-9-yl)ethanol as a novel photolabile protecting group", (QO-CP 079), XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
27. **AA<sub>10</sub>**. R.E.S. Carvalho, M.S.T. Gonçalves, M.J. Sousa, "Marking patterns and potential targets of action of a benzo[a]phenoxazinium chloride with antiproliferative activity", comunicação em painel, MicroBiotec11 National Congress, Braga, 3 a 6 de julho de 2011.
28. **AA<sub>11</sub>**. S.M.M.A. Pereira-Lima, N.R. Aguiam, S.P.G. Costa, "Solid phase multicomponent reactions: effect of an amino acid spacer on the synthesis of highly hindered  $\alpha,\alpha$ -dialkyl glycines", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.

29. **AA<sub>12</sub>**. R.D.V. Fernandes, N.R. Aguiam, S.M.M.A. Pereira-Lima, S.P.G. Costa, "Synthesis of mimetics of Peptaibolin, an antimicrobial peptide, by incorporation of unnatural amino acids", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
30. **AA<sub>13</sub>**. A.M.S. Soares, S.P.G. Costa, M.S.T. Gonçalves, "Naphtho-oxazole cages for the photolytic release of butyric acid", XXII Encontro Nacional da SPQ, Braga, 3 a 6 de julho de 2011.
31. **AA<sub>14</sub>/BC<sub>1</sub>**. H. Vilaça, G. Pereira, J. Fernandes, J.A. Martins, P.M.T. Ferreira, "Synthesis and triggered gelation of a new dehydropeptide", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
32. **AA<sub>15</sub>/BC<sub>2</sub>**. J. Fernandes, G. Pereira, J.A. Martins, P.M.T. Ferreira, "Synthesis of new naproxen dehydropeptides hydrogelators", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
33. **AA<sub>16</sub>/BC<sub>3</sub>**. M.F. Ferreira, A.F. Martins, C. Martins, G. Pereira, P.M.T. Ferreira, M.I.M. Prata, S. Petoud, E. Toth, C.F.G.C. Geraldes, J.A. Martins, "Synthesis, characterization and relaxometric evaluation of Gd<sup>3+</sup> complexes of novel conjugates of the DO3A-N-a-aminopropionate chelator as contrast agents for magnetic resonance imaging", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
34. **AA<sub>17</sub>/BC<sub>4</sub>**. A. Fortes, C. Martins, P.M.T. Ferreira, J.P. André, "1,4,7,10-tetraazacyclododecane-1-(6-amino)hexanoic-4,7,10-triacetic acid: A new DOTA based chelator for medical imaging", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
35. **HC<sub>22</sub>/AA<sub>18</sub>/EE<sub>1</sub>**. I. Kuźniarska-Biernacka, E. Delafond, R.M.F. Batista, S.P.G. Costa, M.M.M. Raposo, I.C. Neves, A.M. Fonseca, "Catalytic activity of novel heterogeneous catalysts based on Schiff base complexes", XXII Encontro Nacional da SPQ, Braga, 3 a 6 de julho de 2011.
36. **EE<sub>2</sub>**. F. Oliveira, C. Barroso, J. Lopes, M.Pinto, G. Botelho, I.C. Neves, T. Ruão, "Ano Internacional da Química 2011: o impacto da sua divulgação no contexto universitário", XXII Encontro nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
37. **EE<sub>3</sub>**. A. Puga, R.Nogueira, M.M.Silva, G.Botelho "Síntese e caracterização de um polímero biodegradável: uma actividade experimental", XXII Encontro nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
38. **EE<sub>4</sub>**. S. Palmeira, G. Botelho, R. Laranjeira "Avaliação da recuperação do cobre existente em cabos eléctricos", XXII Encontro nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
39. **EE<sub>5</sub>**. D. Correia, V. Sencadas, A. Areias, G. Botelho, A. Fonseca, I. Neves, J. L. Gómez-Ribelles e S. Lanceros-Mendez "Avaliação do grau de desacetilação do quitosano", XXII Encontro nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
40. **EE<sub>6</sub>**. J. C. Dias, V. Sencadas, C. Ribeiro, G. Botelho, J. L. Gómez-Ribelles and S. Lanceros-Mendez "Estudo da degradação de membranas de PLLA obtidas por electrospinning", XXII Encontro nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
41. **EE<sub>7</sub>**. S. Devesa, M.M. Silva, "Síntese de sabões/sabonetes a partir de óleos alimentares usados - um projecto de práticas sustentáveis para o ensino da Química", XXII Encontro Nacional da Sociedade Portuguesa de Química (XXIIENSPQ), Braga, 3 a 6 de julho de 2011.
42. **EE<sub>8</sub>**. L.C. Rodrigues, M.M. Silva, M.J. Smith, R. Ferreira, L.D.Carlos, "Electrólitos poliméricos baseados na matriz polimérica amorfa de a-PEO dopada com Li<sup>+</sup>/Eu<sup>3+</sup>", XXII Encontro Nacional da Sociedade Portuguesa de Química (XXIIENSPQ), Braga, 3 a 6 de julho de 2011.
43. **EE<sub>9</sub>**. M.F. Camões, C. Oliveira, E. Pereira, A.P. Bettencourt, "Água, uma solução química", XXII Encontro Nacional da SPQ, Braga, 3 a 6 de julho de 2011.

44. **EE<sub>10</sub>**. R.D. Silva, A. Ville, P. Parpot, A.P. Bettencourt, "Determinação de pesticidas em vinhos brancos por GC-MS e LC-MS", XXII Encontro Nacional da SPQ, Braga, 3 a 6 de julho de 2011.
45. **EE<sub>11</sub>**. A.C. Mesquita, R. Oliveira, F. Bento, D. Geraldo, J.C. Marcos, J. Rodrigues, "Utilização de métodos eletroquímicos na promoção da oxidação de proteínas para estudos de stress oxidativo", XXII Encontro de SPQ, Braga, 3 a 6 de julho de 2011.
46. **EE<sub>12</sub>**. P. Pereira, J. M. Leão, D. Geraldo, A. Gago-Martínez, "Determination of anatoxin-a in environmental water samples by solid-phase microextraction and gas chromatography-mass spectrometry", XXII Encontro de SPQ, Braga, 3 a 6 de julho de 2011.
47. **EE<sub>13</sub>**. C. Teixeira, F. Bento, D. Geraldo, E. González-Romero, "Cyclic voltammetry studies of biotoxins on nanostructures screen printed electrodes", XXII Encontro de SPQ, Braga, 3 a 6 de julho de 2011.
48. **EE<sub>14</sub>**. R. Oliveira, P. Yilmaz, P. Yavas, D. Geraldo, F. Bento, "Avaliação da atividade antioxidante dos ácidos úrico e ascórbico pelo método RACE", XXII Encontro de SPQ, Braga, 3 a 6 de julho de 2011.
49. **EE<sub>15</sub>**. F. Bento, D. Geraldo, R. Oliveira, C. Teixeira, E. González-Romero, "Voltammetric detection of Domoic Acid at a multiwalled carbon-nanotube electrode", Jornadas de Eletroquímica e Inovação, Faro, Portugal, 11 de fevereiro 2011.
50. **EE<sub>16</sub>**. R. Oliveira, F. Bento, D. Geraldo, C. Oliveira, "Hidroxilação do benzoato através de radicais HO<sup>•</sup> gerados electroquimicamente: estudo do processo e caracterização dos produtos", XVII Encontro Luso-Galego de Química, Pontevedra, Espanha, 9 a 11 de novembro 2011.
51. **EE<sub>17</sub>**. D.M. Sampaio, M.J. Smith, "Qual é a melhor célula: vale a pena pagar mais?", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
52. **EE<sub>18</sub>**. M.D. Barros, M.J. Smith, "A caracterização de combustíveis por calorimetria de chama", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
53. **EE<sub>19</sub>**. M. Ferreira, M.F. Pinto, O.S.G.P. Soares, M.F.R. Pereira, J.J.M. Órfão, J.L. Figueiredo, I.C. Neves, A.M. Fonseca, P. Parpot, "Oxidação electrocatalítica de poluentes orgânicos em águas, por eléctrodos modificados de nanotubos de carbono", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
54. **EE<sub>20</sub>**. C.J.R. Silva, M.J.M. Gomes, "Gel materials based on hybrid matrix incorporating nanoparticles", Cost Action MP0803 - Plasmonic components and devices workshop meeting, Prague (Czech Republic), 21 Abril, 2011.
55. **EE<sub>21</sub>**. S.D. Moreira, C.J.R. Silva, M.F.M Costa, M.J.M. Gomes, L.A.S.A. Prado, "Characterization of flexible holographic imprint in different hybrid organic- inorganic matrices: urea-silicate (Ureasil) matrix and matrix derived from epoxy resin", AOP2011 - International Conference on Applications of Optics and Photonics, Braga (Portugal), 3-7 Maio, 2011.
56. **EE<sub>22</sub>/HC<sub>23</sub>**. O. Rodrigues, I. Kuźniarska-Biernacka, M.A. Carvalho, I.C. Neves, A.M. Fonseca, P. Parpot, "Encapsulated manganese(III) complex into NaY zeolite as a catalyst for epoxidation of olefins", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
57. **EE<sub>23</sub>/HC<sub>24</sub>**. M.A. Carvalho, C. Correia, A.P. Bettencourt, F. Gomes, M.F. Proença, "2-Phenolic-purines: synthesis and antioxidant activity", XXII Encontro Nacional da SPQ, Braga, 3 a 6 de julho de 2011.
58. **EE<sub>24</sub>/HC<sub>25</sub>**. A. Queirós, A.P. Bettencourt, M.A. Carvalho, P. Parpot, G. Botelho, I.C. Neves, "Actividades experimentais nas escolas através de uma interação com a universidade", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
59. **BC<sub>5</sub>/AA<sub>21</sub>**. A. Fontes, P.M. Ferreira, J.P. André, "1,4,7,10-tetraazaciclododecane-1-(6-amino)hexanoic-4,7,10-triacetic acid: A new DOTA-based chelator for medical imaging", XXII Encontro Nacional SPQ, Braga, 3 a 6 de julho de 2011.
60. **BC<sub>6</sub>**. A. de Sá, C.F.G.C. Geraldos, J.P. André, "Mn(II)-NODAHep: a new amphiphilic contrast agent for MRI", XXII Encontro Nacional SPQ, Braga, 3 a 6 de julho de 2011.



61. **EE<sub>25</sub>/AA<sub>22</sub>/BC<sub>7</sub>**. J. Gomes, P.M.T. Ferreira, C.J.R. Silva, L.F.F.F. Gonçalves, L. Simões, M.J. Gomes, C.F.G.C. Geraldes, J.A. Martins, "Preparation and characterization of quantum dots functionalized with Gd<sup>3+</sup> chelates as bimodal (Fluorescence/MRI) Contrast Agents for biomedical imaging", XXII Encontro Nacional da Sociedade Portuguesa de Química, Braga, 3 a 6 de julho de 2011.
62. **BC<sub>8</sub>/AA<sub>23</sub>**. M.F. Ferreira, C. Martins, J.A. Martins, P.M.T. Ferreira, M.I.M. Prata, C.F.G.C. Geraldes, M. Mousavi, L. Helm, "Synthesis, characterization and relaxometric evaluation of gold nanoparticles functionalized with Gd<sup>3+</sup> chelates as MRI contrast agents", XXII Encontro Nacional SPQ; 100 anos de Química em Portugal, Braga, 3 a 6 de julho de 2011.
63. **BC<sub>9</sub>/AA<sub>24</sub>**. M.F. Ferreira, A.F. Martins, C. Martins, G. Pereira, J.A. Martins, P.M.T. Ferreira, M.I.M. Prata, S. Petoud, E. Toth, C.F.G.C. Geraldes, "Synthesis, characterization and relaxometric evaluation of Ln<sup>3+</sup> chelates of new DO3A-N-□-aminopropionate amide ligand derivatives as MRI contrast agents", XXII Encontro Nacional da SPQ, Braga, 3 a 6 de julho de 2011.

### Book Chapters 3

1. **HC<sub>1</sub>**. C. Afonso, D.P. Simão, L.P. Ferreira, M.E.S. Serra, M.M.M. Raposo, "100 experiências de química orgânica", Carlos Afonso, Dulce Pereira Simão (Eds.), IST Press, Lisboa, Portugal, 2011.
2. **HC<sub>2</sub>**. M.J. Alves, F.T. Costa, "Heterocyclic Targets in Advanced Organic Synthesis", M. C. Carreiras, J. Marco-Contelles (Ed), Chapter 7, "2H-Azirines as electrophiles", Research Signpost, Kerala, India, 2011.
3. **EE<sub>1</sub>**. G. Botelho, R. Santos, C. Cramez, A.V. Machado, "5th EuropEEn Weathering Symposium", T. Reichert (Ed.), "Natural and accelerated weathering of acrylonitrile-butadiene-styrene", Gesellschaft für-Umweltsimulation, Lisbon, Portugal, 2011.