



SCIENTIFIC PROGRAM

Monday, 6th of May

- 8:30 Registration
- 9:30 Opening Session
- 10:00 **PL1: "Catalysis towards Functionalization of Alkanes under Green Conditions"**
Armando Pombeiro
Instituto Superior Técnico
- 10:45 **IL1: "Recent results in platinum-catalysed enantioselective hydroformylation"**
László Kollár
Faculty of Natural Sciences, University of Pécs (Hungary)
- 11:15 Coffee Break
- 11:30 **OC1: "Metalloporphyrins as catalysis: biomimetic oxidation of organosulfur compounds by H₂O₂"**
Sónia Maria Gomes Pires
Universidade de Aveiro
- 11:45 **OC2: "Functionalization of natural oils via sequential hydroformylation/silylation"**
Marta Piñeiro Gomez
Universidade de Coimbra
- 12:00 **OC3: "Asymmetric catalysis using chiral ionic liquids"**
Luís Branco
Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa
- 12:15 **OC4: "Palladium-catalyzed amination reactions: in search of new porphyrinic derivatives"**
Ana Mafalda Vaz Martins Pereira
Universidade de Aveiro
- 12:30 Lunch / Poster Session
- 14:00 **PL2: "Green catalysis by recycle nanocatalysts"**
Cristina Freire
REQUIMTE – Faculdade de Ciências da Universidade do Porto
- 14:45 **OC5: "Modelling carbon/coke gasification: CASA, contact active surface area"**
Luís F.G. de Sousa Lobo
REQUIMTE – Faculdade de Ciências e Tecnologia / Universidade Nova de Lisboa
- 15:00 **OC6: "Surface species during oil methanolysis over lime catalysts"**
Jaime Filipe Borges Puna
Instituto Superior de Engenharia de Lisboa
- 15:15 **OC7: "Carbon nanofibers grown on a monolith in the ozonation of pharmaceuticals in water"**
Alexandra Gabriela Gonçalves
Laboratório de Catálise e Materiais – Faculdade de Engenharia da Universidade do Porto

- 15:30 Coffee Break / Poster Session
- 15:45 **IL2: "Hybrid silica nanoparticles as multifunctional materials"**
Carlos Baleizão
Instituto Superior Técnico
- 16:15 **OC8: "TiO₂-coated magnetic nanoparticles for photocatalytic degradation of a dye"**
Marco Sousa Lucas
Universidade de Trás-os-Montes e Alto Douro
- 16:30 **OC9: "Photocatalytic degradation of pesticides by 3rd Mg₂Al/W₁₀O₃ 24-layered double hydroxides"**
Eliana Sousa Da Silva
Universidade de Coimbra
- 16:45 **OC10: "Montmorillonite and Sepiolite clay based materials for storage and release of Nitric Oxide"**
Ana Cristina Pereira Fernandes
Faculdade de Ciências da Universidade de Lisboa
- 17:00 Poster Session
- 17:45 SPQ's Catalysis and Porous Materials Group Meeting
- 20:30 Conference Dinner (Casa da Música)

Tuesday, 7th of May

- 9:30 **PL3: "Nanocarbons and Nanocatalysis"**
Philippe Serp
Université de Toulouse (France)
- 10:15 **IL3: "Recent contributions of electron microscopy to heterogeneous catalysis"**
Juan J. Delgado
Universidad de Cadiz (Spain)
- 10:45 **OC11: "BiO₂.7LaO₃.3FeO₃ as heterogeneous catalyst in Fenton-like reactions"**
José Alcides Silvestre Peres
Universidade de Trás-os-Montes e Alto Douro
- 11:00 Coffee Break
- 11:15 **IL4: "Effect of the ageing of lean NO_x trap: from laboratory to engine scale"**
Patrick da Costa
UPMC Sorbonne Universités
- 11:45 **OC12: "Scorpionate metal complex over HMS support as catalyst for cyclohexane oxidation with O₂"**
Kelly Cinda dos Santos Machado
Universidade de Trás-os-Montes e Alto Douro
- 12:00 **OC13: "Metal phosphates and phosphonates: versatile catalysts in esterification reactions"**
Graça Maria da Silva Rodrigues Oliveira Rocha
Universidade de Aveiro
- 12:15 **OC14: "Burkholderia cepacia lipase adsorption immobilization on silica with ionic liquid"**
Matheus Mendonça Pereira
Universidade de Aveiro
- 12:30 Lunch / Poster Session
- 14:00 **IL5: "Metal Organic Frameworks: from synthesis to applications"**
Patrícia Horcajada
Université de Versailles Saint Quentin en Yvelines (France)
- 14:30 **OC15: "Iron (III)porphyrin anchored onto MWCNT as active catalyst for alkene epoxidation in eco-compatible conditions"**
Monika Elzbieta Lipinska
REQUIMTE – Faculdade de Ciências da Universidade do Porto
- 14:45 **OC16: "Synthetic relevance of magnetic Fe NPs in epoxidation catalysis"**
Cristina Isabel Silva Fernandes
Faculdade de Ciências da Universidade de Lisboa
- 15:00 **OC17: "Development and application of zeolite/poly(vinylidene fluoride) composites"**
Ana Catarina Teixeira Castro Lopes
Unviersidade do Minho
- 15:15 **OC18: "Organosilylation of halloysite clay nanotubes for catalytic applications"**
Andreia Filipa Peixoto
REQUIMTE – Faculdade de Ciências da Universidade do Porto
- 15:30 Coffee Break / Poster Session

- 15:45 **IL6:** *“Development of new photosensitizers for pdt. An example from the portuguese industry”*
Artur Abreu
Luzitin, SA
- 16:15 **OC19:** *“Sustainable metal catalysis using iron and nickel complexes in selective reductions”*
Beatriz Royo
Instituto de Tecnologia Química e Biológica
- 16:30 **OC20:** *“Polyoxometalates vs metalloporphyrins: catalysts for greener oxidation reactions”*
Isabel Cristina Maia da Silva Santos Vieira
Universidade de Aveiro
- 16:45 **OC21:** *“Binol-based helical monophosphite ligands: new opportunities for homogeneous catalysis”*
Rui Miguel Barroso Carrilho
Universidade de Coimbra
- 17:30 Closing Session