

DCE 2015 | Symposium on Chemical and Biological Engineering

Program

The Symposium on Chemical and Biological Engineering will take place on **Friday 12th June** in room **(available soon)**. Check the program below.

Morning Session Moderator: Alexandra Pinto	
11:00 11:30	Adriano Ribeiro (Invited Keynote)
11:30 13:00	Oral presentations: Abstracts 53, 57, 65, 73, 82, 100 and 106 (more details below)
13:00 14:30	Lunch
Afternoon Session Moderator: Carmen Rangel	
14:30 15:00	Tiago Sotto Mayor (Invited Keynote)
15:00 16:30	Oral presentations: Abstracts 17, 42, 64, 109, 122, 130 and 131 (more details below)

ORAL Presentations

MORNING SESSION		
Nº	Authors	Title
53	Gabriela Ungureanu , Silvia Santos, Cidália Botelho and Rui Boaventura	<i>Marine macroalgae Sargassum muticum as biosorbent for metal anions: A case study on antimony removal</i>
57	Ana Meireles , Idalina Machado, Filipe Mergulhão, Luís Melo and Manuel Simões.	<i>Efficacy of neutral electrolyzed oxidizing water to control planktonic and sessile Escherichia coli</i>
65	Inês Gomes , Joana Malheiro, Filipe Mergulhão and Manuel Simoes.	<i>Efficacy of current and natural-based biocides on the disinfection of silicone and stainless steel surfaces</i>
73	Ana Luísa Gonçalves , Ana C. Abreu, José C.M. Pires and Manuel Simões.	<i>Kinetic growth modelling of single and mixed cultures of Synechocystis salina and Pseudokirchneriella subcapitata: evidence of allelopathic competition</i>
82	Joana Malheiro , Inês B. Gomes, Anabela Borges, Jean-Yves Maillard, Fernanda Borges and Manuel Simões.	<i>The effects of selected phytochemical compounds on the control of planktonic and sessile bacteria</i>
100	Silvia Fontenete , Marina Leite, Davie Cappoen, Nuno Guimarães, Pedro Madureira, Paul Cos, Céu Figueiredo, Jesper Wengel and Nuno Filipe Azevedo.	<i>Fluorescence in vivo hybridization (FIVH) detection of Helicobacter pylori</i>
106	Joana Vilas Boas , Vânia Oliveira, Manuel Simões and Alexandra Pinto.	<i>Performance of a Microbial Fuel Cells using Lactobacillus pentosus in Fed-Batch operation</i>
AFTERNOON SESSION		
Nº	Authors	Title
17	Lucília S. Ribeiro , José J. M. Órfão and M. Fernando R. Pereira.	<i>Improvement of cellulose direct conversion into sorbitol by ball-milling pre-treatment</i>

42	Rosa Crespo Rodriguez , Eva Villar-Alvarez, Pablo Taboada, Fernando Rocha, Ana Margarida Damas and Pedro M. Martins.	<i>What can the kinetics of amyloid fibril formation tell us about intermediate species and off-pathway aggregation?</i>
64	Diogo Santos , Manuel Pereira, Adrián Silva, Olívia Soares and Raquel Rocha.	<i>Catalytic wet air oxidation of oxalic acid and phenol over carbon nanotubes</i>
109	Carla M.P. Esteves , Sergio Morales-Torres, José L. Figueiredo and Adrián M.T. Silva.	<i>Membranes with nanostructured materials for water desalination and purification</i>
122	Hélder Xavier Nunes , Maria Josefina Ferreira and Alexandra Pinto.	<i>Hydrogen generation from catalytic hydrolysis of chemical hydrides: Database platform development</i>
130	Inês Carviçais , Vânia Oliveira and Alexandra Pinto.	<i>Optimization of a passive direct ethanol fuel cell</i>
131	Beatriz Berns , Barbara Silva, Vânia Oliveira and Alexandra Pinto.	<i>High performance passive direct methanol fuel cell</i>

The presenting author is marked in **bold**

POSTER Presentations

MORNING SESSION		
Nº	Authors	Title
58	Carla Dias , Anabela Borges, Maria J. Saavedra and Manuel Simões	<i>Adhesion and biofilm formation by <i>Aeromonas</i> spp.</i>
112	Joab Silva , Wesley Santana, Manuel Almeida and Joana Dias	<i>Evaluation of sweet potato ethanol yields obtained during the start-up of a small scale plant at Tocantins</i>
128	Sérgio Amado , Maria J.F. Ferreira and Alexandra Pinto	<i>Proposal of a reaction mechanism and development of a kinetic model to the hydrolysis of sodium borohydride (NaBH₄) under moderate pressures</i>
136	Idelfonso Nogueira , Raony Fontes, Márcio Martins, Karen Pontes and José Miguel Loureiro	<i>Neural MPC for Quality Control of an Industrial Polymerization Reactor</i>
139	Ana Pereira , Maria Josefina Ferreira and Alexandra Pinto	<i>Prospective routes towards recycling sodium metaborates: enhancement of the commercial viability of sodium borohydride (NaBH₄) in hydrogen generation for Proton Exchange Membrane Fuel Cells (PEMFC)</i>

The presenting author is marked in **bold**