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July & August 2016

NEWSLETTER

Centro de Recursos Naturais e Ambiente

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CERENA participated at the “Ciência’2016” meeting

Several CERENA’s researcher attended and participated with a presentation at five panels in the “Ciência’2016” meeting at FIL :

Exploração do mar profundo;
Ecossistemas e planeamento urbano;
Química e sustentabilidade;
Energia e sustentabilidade;
Riscos naturais;

More Information could be obtained [here](#).



Cerena organized geoENV 2016, the 11th International Conference on Geostatistics for Environmental Application Conference from 6-8 July 2016. GeoENV conferences have been held biennially at venues across Europe.

During the GeoENV 2016, twenty years after the first conference, we brought together about 80 scientists, researchers and research scholars to share contributions on recent or new developments or applications in various disciplines focused in the solution of environmental problems using geostatistical methods. Three distinguished keynote speakers, Mohan Srivastava, Dario Grana and Sean McKenna have presented exciting talks.

PhD Defense of Manuel Luís Castro Ribeiro



Last July 4, Manuel Luis Castro Ribeiro successfully defended (with merit and distinction) his thesis entitled “**Geostatistical modelling applied to epidemiologic studies: a contribution to the study of relation ship between air quality and bird outcomes**”, at IST.

Supervisors: Maria João Pereira (CERENA/IST/ULisboa) and António Tavares (Escola Nacional de Saúde Pública/UNL).

PhD Defense of Helena Ramos da Silva



Last July 20, Helena Margarida Abreu Ramos da Silva successfully defended her PhD thesis entitled “**Revestimentos Poliméricos Barreira ao Formaldeído de Painéis de Aglomerado de Madeira**”, at IST.

Supervisors: João Carlos Moura Bordado (CERENA/IST/ULisboa) and Maria Paula Rodrigues (LNEC).

UPCOMING EVENTS



PhD Defense of Clara Sá Couto



Last July 13, por Clara Sofia Rodrigues Sá Couto successfully defend , at FEUP, her PhD thesis entitled “**Impure Hydrogen Valorization for Chemicals Production in a Tubular Reactor**” a work carried out under the scope of the EngIQ program.

Supervisors: Luis Miguel Palma Madeira (FEUP) and Clemente Pedro Nunes (CERENA/IST/Ulisboa)

Co-supervisor from CUF : Paulo Pereira Araújo

PhD Defense of João Alegre Queiroz



Last September 15, João Alegre Queiroz successfully defend ,at FEUP, his PhD thesis entitled “**Evaluation and Optimization of an Industrial Utility System**” a work carried out under the scope of the EngIQ program .

Supervisors: Fernando Gomes Martins (FEUP) and Henrique Matos (CERENA/IST/Ulisboa)

Co-supervisor from Dow Portugal : Vitor Rodrigues

Paper Published

[Bacillus thuringiensis a promising bacterium for degrading emerging pollutants](#)

Laura Ferreira, , Emilio Rosales, Anthony S. Danko , M. Angeles Sanromána, Marta M. Pazosa (2016), Bacillus thuringiensis a promising bacterium for degrading emerging pollutants , *Process Safety and Environmental Protection*, 101, May 2016, 19–26

[Cometabolic Degradation of Anti-Inflammatory and Analgesic Pharmaceuticals by a Pentane Enrichment Culture](#)

I. Bragança, A. S. Danko, J. Pacheco, D. Frascari, C. Delerue-Matos, V. F. Domingues (2016), Cometabolic Degradation of Anti-Inflammatory and Analgesic Pharmaceuticals by a Pentane Enrichment Culture, *Water, Air, & Soil Pollution*, July 2016, 227:227

[Coproprocessing of Waste Plastic and Hydrocarbons over MFI \(HZSM-5\)](#)

Nádia Carmo, Denise Afonso, Everton Santos, Isabel Fonseca, Francisco Lemos, M. A. N. D. A. Lemos (2016) , Coprocessing of Waste Plastic and Hydrocarbons over MFI (HZSM-5), *International Journal of Chemical Kinetics*, 48 (6), 329–336

[Potential biofuel from liquefied cork - Higher heating value comparison](#)

Maria Margarida Mateus, João Carlos Bordado, Rui Galhano dos Santos (2016), Potential biofuel from liquefied cork – Higher heating value comparison , *Fuel*, 174 (15), 114–117

[Purification of plant complex protein extracts in non-denaturing conditions by in-solution isoelectric focusing](#)

R.A. Ferreira, S. Martins-Dias (2016) Purification of plant complex protein extracts in non-denaturing conditions by in-solution isoelectric focusing, *Analytical Biochemistry* , 509 (15), 100–103