

17

MAY 2015

NEWSLETTER

Centro de Recursos Naturais e Ambiente

www.cerena.pt



GEOLAB Grand Opening – 28th May at 12:00

GEO Sciences & Technologies **LAB**

The brand new **Geosciences and Geotechnologies Lab** (Laboratório de Geociências e Geotecnologias) is a laboratory totally oriented towards the study of mineral resources, with a strong component of Oil&Gas.

GeoLab's activities will be focused in R&D projects, in partnership with both oil and gas companies and mining companies, with a long history of collaboration with CERENA – Centre for Natural Resources and the Environment.

Thursday, 28th May 2015 | 12:00 PM | IST Alameda Campus | Mining Building

CERENA's Seminar : 29th May at 16h in PA2



Two countries one Territory : Environmental risks in a transboundary watershed – the Águeda project

O projeto Águeda forma parte do Programa Operativo de Cooperação Transfronteiriça, Espanha-Portugal (POCTEP) financiado por fundos FEDER.

Este projeto nasceu com a finalidade de desenhar um modelo ambiental holístico de impactes e riscos, extrapolável a outras bacias hidrográficas transfronteiriças, partindo de dados de identificação morfológica, caracterização físico-química da água, solos e biótica na bacia do rio Águeda, com a evolução temporal de uso e ocupação do solo.

Pretende-se com esta palestra partilhar os principais resultados atingidos, bem como promover a análise e discussão de possíveis futuros desenvolvimentos, no contexto do ordenamento e articulação territorial.

A prototype resulting from project SYM on the Festival FIL Inovação



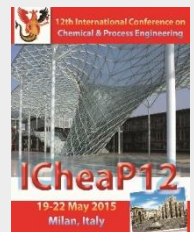
Prof. Joao Gomes presented, on Festival FIL Inovação, April 2015, in Lisbon, a prototype, resulting from project SYM (supported under QREN-COMPETE) for production of synthesis gas using water electrolysis.

International Conference on Engineering - ICEUBI2015

ICEUBI2015  International Conference on Engineering
Engineering for Society

Edite Martinho and Amélia Dionísio are organizing a session focused on Building Stone Decay that will be held in the frame of the forthcoming International Conference on Engineering – Engineering for Society – ICEUBI2015 (to be held in Covilhã, Portugal, December 2-4, 2015). The thematic session (TS2) covers all aspects of interactions between natural stone materials and environment. The official deadline for submission of full papers for review is 31 of July. <http://iceubi2015.ubi.pt/>

UPCOMING EVENTS



Recovery of Metals by plants and bacteria



ORDEM
DOS
ENGENHEIROS

At Ordem dos Engenheiros, on the 19th May, 17h30.

More informaton: <http://www.ordemengenheiros.pt/pt/agenda/a-recuperacao-de-metais-com-recurso-a-organismos-vivos/>

2015 International Workshop on Environment and Alternative Energy



“Increasing Space Mission Resiliency through Sustainability”

Being Held at the European Space Agency (ESA); European Astronomy Centre (ESAC)
Madrid, Spain | November 10 – 13, 2015

For details visit: <http://teerm.nasa.gov/workshop.htm> | [2015 Student Flier](#)

Paper Published

Pillai, R. S.; Pinto, M. L.; Pires, J.; Jorge, M.; Gomes, J. R. B., 2015, **Understanding Gas Adsorption Selectivity in IRMOF-8 Using Molecular Simulation**. ACS Appl. Mater. Interfaces, 7, 624–637.

Link: <http://dx.doi.org/10.1021/am506793b>

Agarwal, S., Reis, M.T.A., Ismael, M.R.C., Carvalho, J.M.R., 2015, **Extraction of Cu(II) with Acorga M5640 using hollow fiber liquid membrane**, Chem. Papers 69(5), 679-689,

Link: <http://www.degruyter.com/view/j/chempap.2015.69.issue-5/chempap-2015-0076/chempap-2015-0076.xml>

Galhetas, M.; Andrade, M. A.; Mestre, A. S.; Kangni-foli, E.; Brito, M. J. V. de; Pinto, M. L.; Lopes, H.; Carvalho, A. P., 2015 **The Influence of the Textural Properties of Activated Carbons on Acetaminophen Adsorption at Different Temperatures**, Phys. Chem. Chem. Phys. 2015, 17, 12340–12349.

Link: <http://dx.doi.org/10.1039/C4CP05273K>

PhD Defense



Last April 10, **Maria Helena Caeiro** successfully defended her thesis entitled “Optimised History Matching using Non-Stationary Geostatistical Modelling”, at IST. Supervisor: Amílcar Soares (CERENA/IST/ULisboa).



Last May 8, **Daniel Filipe Almeida Rodrigues Abrantes Saraiva** defended his thesis entitled “Partial Catalytic Hydrogenation of Vegetable Oils for Biodiesel Production”, at IST. Supervisor: Filipe Gama Freire (CERENA/IST/ULisboa) and Industrial Supervisor: Renato H. Carvalho (IBEROL).