

International Workshop

Exploiting unproductive arid lands

FCT NOVA 17/4/2019

Sala de Reuniões do Dep. de Química (217-D), FCT NOVA, Campus Caparica, Lisboa

Cactus is considered a promising crop as it is a xerophytic plant which is particularly adapted to arid lands and severely degraded soils that are unsuitable for traditional crops. Other crops, such as *Arundo donax* or *Jatropha curcas*, show also potential to be cropped in arid and desertified soils. The aim of this workshop is to present strategies towards the establishment of *Opuntia* and other crops in dry marginal lands of the Mediterranean. It is foreseen in this workshop to provide demonstration of the use of those crops, adding value to the final product, e.g. as food in a micro-scale processing chain, or as feedstock for bioproducts, biomaterials or bioenergy, with the goal to provide job and small business opportunities at all social levels.

Inscrições: A inscrição é gratuita. O almoço é livre. O número de participantes é limitado à capacidade da sala

Registration: Registration is free. Lunch is at own cost. The number of participants is limited to room capacity

As inscrições deverão ser enviadas, até ao dia **14 de abril de 2019**, inclusive, através do preenchimento do formulário disponível em https://docs.google.com/forms/d/e/1FAIpQLScvzAEcfXBG0ETTcxXQtUVam4LO9TILYnGlnOkLIR7be40dg/viewform?usp=sf_link, ou em alternativa para o e-mail ala@fct.unl.pt ou para dctb.secretariado@fct.unl.pt com os dados solicitados (Nome/Instituição/email).

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Scientific Commission:

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Margarida Gonçalves, FCT NOVA
Victor Souza, FCT NOVA
Isabel Coelho, FCT NOVA
Ana Teresa Sanches Silva, INIAV
Luigi Pari, CREA, Italy
Abdelkader Outzourhit, UCA, Morocco
Mohamed Rashad, SRTA-City, Egypt

Organizing Committee:

Ana Luísa Fernando, FCT NOVA
Victor Souza, FCT NOVA
Carolina Rodrigues, FCT NOVA
Jorge Costa, ISEC, FCT NOVA
Leandro Gomes, FCT NOVA
João Pires, FCT NOVA
Berta Cumbane, FCS, UZambeze, Moçambique

PROGRAMME

9.30	Registration	
10:00	Opening Session of the International Workshop	Prof. Virgílio Cruz Machado Director FCT NOVA
Sessão 1	Chair: Maria Paula Duarte	FCT NOVA
10:15	MediOpuntia project: promoting cactus plantation on large scale in marginal lands of Mediterranean countries	Ana Luisa Fernando FCT NOVA
10:35	Developing harvesting systems for crops in arid lands: the case of <i>Jatropha curcas</i>	Luigi Pari CREA, Italy
10.55	Title to be announced	Mohamed Rashad SRTA-City, Egypt
11.15	Title to be announced	Abdelkader Outzourhit Université Cadi Ayyad, Marrakech, Morocco
11:35	Coffee break	
Sessão 2	Chair: Victor Souza	FCT NOVA
12:00	Wastewater reuse for crops cultivation as a strategy to mitigate desertification: the case study of <i>Arundo donax</i>	Jorge Costa ISEC, FCT NOVA
12:15	Cultivation in marginal soils – Technological, environmental, social and economic opportunities and risks	Ana Luisa Fernando FCT NOVA
12:30	Case studies	Invited speaker
12:45	Case studies	Invited speaker
13:00	Lunch break	
Sessão 3	Chair: Ana Luisa Fernando	FCT NOVA
14:00	Production of nanocellulose from lignocellulosic biomass: Prospects and Limitations	João Pires FCT NOVA
14.15	Chemical characterization of <i>Opuntia</i> spp.	Carolina Rodrigues FCT NOVA
14.30	Functional foods and biomaterials from <i>Opuntia</i> fruits and cladodes	Margarida Gonçalves FCT NOVA
14.45	New frontiers on the use of aromatic plants with special focus on rosemary (<i>Rosmarinus officinalis</i> L.)	Ana Teresa Sanches Silva INIAV
15.00	Industrial fruits by-products and their application in active food packaging	Mariana Andrade INSARJ
15.15	Design of microbial polysaccharide films for food packaging	Isabel Coelho FCT NOVA
15.30	Bionanocomposites as active packaging for food appliances – Prospects and constraints	Victor Souza FCT NOVA
15.45	Valorisation of extracts from Sour Cherry Liquor sub-products for application in cosmetics	Maria Paula Duarte FCT NOVA
16.00	Closing of the International Workshop	