



Workshop on *How to protect water, soil, and plants production all together*

Department of Chemistry, University of Coimbra, 7th May 2018

<https://goo.gl/EC41ox>

9:15-9:45	Reception/Registration	
9:45-10:00	Opening	
Session I.	Chairperson: Jorge Marques	
10:00-10:30	Synthesis of bacterial cellulose hydrogels and clay particles for retaining organic nutrients and pesticides	Tanta-Verona Iordache (ICECHIM, Bucharest)
10:30-11:00	Waste and wastewater management for closing anthropogenic loops	Margarida J. Quina (DEQ, Univ. Coimbra)
11:00-11:30	Coffee-Break	
11:30-11:50	Perspectives for silica aerogels as heavy metal adsorbents	João Vareda (DEQ, Univ. Coimbra)
11:50-12:10	Molecular dynamics screening for the ability of polymers to interact with pesticides in water	Filipe Estrada (DQ, Univ. Coimbra)
12:10-12:30	Mitigating environmental impacts of waste lubricant oil by regeneration	Carolina Pinheiro (DEQ, Univ. Coimbra)
12:30-14:30	Lunch	
Session II.	Chairperson: Luísa Durães	
14:30-15:00	Microalgae: turning pollution into profit	Telma Encarnação (DQ, Univ. Coimbra)
15:00-15:30	Humic substances holdup on bio polymeric structures	Carmen SIRBU (The National R&D Institute for Soil Science, Agrochemistry and Environment Protection ICPA, Bucharest)
15:30-16:00	Tracer diffusion coefficients of pesticides in aqueous solutions: a Useful strategy to the understanding of the structure of chemical systems	Ana Ribeiro (DQ, Univ. Coimbra)
16:00-16:30	Design of polyacrylate hydrogels synthesized in the presence of urea in the reaction system : determination of its swelling, water retention and release behavior	F. Xavier Perrin (Univ Toulon)
16:30	Concluding remarks	

Organizers: Artur Valente, Jorge Marques, Luísa Durães

