

C. Marisa R. Almeida

Researcher

CIIMAR

Centro Interdisciplinar de Investigação Marinha e Ambiental, Universidade do Porto,
Dept. Química e Bioquímica, FCUP, Rua do Campo Alegre, s/n, 4169-007 Porto, Portugal

Tel.: +351 220402570; E-mail: calmeida@ciimar.up.pt /

Professional Web Page: <http://www.ciimar.up.pt/member.php?id=111>



Expertise:

Marisa Almeida got her PhD in Chemistry from Faculty of Sciences, University of Porto. In 2003 started her Pos-Doc in environmental chemistry, particularly in the biogeochemistry of the estuarine environment. She is a researcher in CIIMAR since 2005, and coordinated, until 2007, the Laboratory of Chemistry of CIIMAR. Current research interests are phytoremediation and bioremediation processes, remediation of emerging pollutants like pharmaceutical compounds, study of the interactions between plants and contaminants in the rhizosphere of salt marsh plants, biogeochemistry of estuarine sediments and analysis of contaminants in estuarine environments, namely metals and polycyclic aromatic hydrocarbons. She has published around fifty SCI papers and participated in more than two dozen scientific meetings.

Key papers related to the COST action:

1. M. N. Silva, A. P. Mucha, A. C. Rocha, C. Teixeira, C. R. Gomes, **C. M. R. Almeida**, "A strategy to potentiate Cd phytoremediation by saltmarsh plants - autochthonous bioaugmentation", 2014, *Journal of Environmental Management*, 134, 136-144.
2. A. P. Mucha, C. Teixeira, I. Reis, C. Magalhães, A. A. Bordalo, **C. M. R. Almeida**, "Response of a salt marsh microbial community to metal contamination", 2013, *Estuarine Coastal and Shelf Science*, 130, 81-88
3. A. P. Mucha, **C. M. R. Almeida**, C. M. Magalhães, M. T. S. D. Vasconcelos, A. Bordalo, "Salt marsh plant-microorganism interaction in the presence of mixed contamination", 2011, *International Biodeterioration & Biodegradation*, 65, 326-333
4. **C. M. R. Almeida**, A. P. Mucha, M. T. S. D. Vasconcelos, "Role of different salt marsh plants on metal retention in an urban estuary (Lima estuary, NW Portugal)", 2011, *Estuarine Coastal and Shelf Science*, 91, 243-249
5. R. Almeida, A. P. Mucha, C. Teixeira, A. A. Bordalo, **C. M. R. Almeida**, "Biodegradation of petroleum hydrocarbons in estuarine sediments: metal influence", 2013, *Biodegradation*, 24, 111-123
6. **C. M. R. Almeida**, A. C. Dias, A. P. Mucha, A. Bordalo, M. T. S. D. Vasconcelos, "Influence of surfactants on the Cu phytoremediation potential of a salt marsh plant", 2009; *Chemosphere*, 75, 135-140
7. **C. M. R. Almeida**, A. C. Dias, A. P. Mucha, A. Bordalo, M. T. S. D. Vasconcelos, "Study of the influence of different organic pollutants on Cu accumulation by *Halimione portulacoides*", 2009, *Estuarine Coastal and Shelf Science*, 85, 627-632
8. P. A. Reis, C. Antunes, **C. M. R. Almeida**, "Metal levels in sediments from the Minho estuary salt marsh: a metal clean area?", 2009; *Environmental Monitoring and Assessment*, 159, 191-205
9. **C. M. R. Almeida**, A. P. Mucha, M. F. C. Delgado, I. M. Caçador, A. Bordalo, M. T. S. D. Vasconcelos "Can PAHs influence Cu accumulation by salt marsh plants?", 2008, *Marine Environmental Research*, 66, 311-318
10. **C. M. R. Almeida**, A. P. Mucha, A. Bordalo, M. T. S. D. Vasconcelos "Influence of a salt marsh plant (*Halimione portulacoides*) on the concentrations and potential mobility of metals in sediments", 2008, *Science of the Total Environment*, 403, 188-195
11. **C. M. R. Almeida**, A. P. Mucha, M. T. S. D. Vasconcelos, "Comparison of the role of the sea club-rush *Scirpus maritimus* and the sea rush *Juncus maritimus* in terms of concentration, speciation and bioaccumulation of metals in the estuarine sediment", 2006, *Environmental Pollution*, 142, 151-159
12. **C. M. R. Almeida**, A. P. Mucha, M. T. S. D. Vasconcelos, "The role of a salt marsh plant on trace metal bioavailability in sediments – estimation by different chemical approaches", 2005, *Environmental Science and Pollution Research*, 12, 271-277
13. A. P. Mucha, **C. M. R. Almeida**, A. Bordalo, M. T. S. D. Vasconcelos, "Exudation of organic acids by a marsh plant and implications on trace metal availability in the rhizosphere of estuarine sediments", 2005, *Estuarine, Coastal and Shelf Science*, 65, 191-198
14. **C. M. R. Almeida**, A. P. Mucha, M. T. S. D. Vasconcelos, "Influence of the sea rush *Juncus maritimus* on metal concentration and speciation in estuarine sediment colonized by the plant", 2004, *Environmental Science Technology*, 38: 3112-3118