

BIOGRAPHY

29/06/2012



Title and name

Prof. José Paulo SOUSA

Nationality

PORTUGAL

Panel

Plant Protection Products and Their Residues (PPR)

Education

Ph.D in Biology (Ecology), 2003, University of Coimbra-Portugal

Scientific and risk assessment experience

- Effect assessment of PPPs towards soil organisms
 - Assessment of the ecological relevance (and effects) of soil-water transfer pathways of PPPs
 - Development and implementation of trait-based approaches for RA of PPPs in soil.
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Main scientific publications

Over 90 publications in SCI journals dealing mainly with (i) effects assessment of PPP towards soil organisms, (ii) risk assessment of contaminated sites and (iii) effects of land-use and landscape changes on soil microarthropod communities: Recent key scientific publications in environmental toxicology are:

Chelinho, S.; Lopes, I.; Natal-da-Luz, T.; Domene, X.; Nunes, M.E.T.; Espíndola, E.L.G.; Ribeiro, R. & Sousa, J.P. (2012) Integrated ecological risk assessment of pesticides in tropical ecosystems: a case study with carbofuran in Brazil. *Environmental Toxicology and Chemistry*. 31(2): 437-445.

Nienstedt, K.M.; Brock, T.C.M.; Van Wensem, J.; Montforts, M.; Hart, A.; Aagaard, A.; Alix, A.; Boesten, J.; Bopp, S.K.; Brown, C.; Capri, E.; Forbes, V.; Köpp, H.; Liess, M.; Luttik, R.; Maltby, L. Sousa, J.P.; Streissl, F. & Hardy, A.R. (2012) Development of a framework based on an ecosystem services approach for deriving specific protection goals for environmental risk assessment of pesticides. *The Science of the Total Environment*. 415: 31-38.

Chelinho, S.; Moreira-Santos, M.; Silva, C.; Costa, C.; Viana, P.; Viegas, C.A.; Fialho, A.M.; Ribeiro, R. & Sousa, J.P.. (2012) Semi-field testing of a bioremediation tool for atrazine contaminated soils: evaluating the efficacy on soil and aquatic compartments. *Environmental Toxicology and Chemistry*. 31(7): 1564-1572.

Peijnenburg, W.; Capri, E.; Kula, C.; Liess, M.; Luttik, R.; Montforts, M.; Nienstedt, K.; Römbke, R.; Sousa, J.P. & Jensen, J. (2011) Evaluation of exposure metrics for effect assessment of soil invertebrates. *Critical Reviews on Environmental Science and Technology*.

DOI:10.1080/10643389.2011.574100

Chelinho, S.; Sautter, K.D.; Cachada, A.; Abrantes, I.; Brown, G.; Duarte, A.C. & Sousa, J.P. (2011) Carbofuran effects in soil nematode communities: using trait and taxonomic based approaches *Ecotoxicology and Environmental Safety*.74(7): 2002-2012.

Daam, M.; Leitão, S.; Cerejeira, M.J. & Sousa, J.P. (2011) Comparing the sensitivity of soil invertebrates to pesticides with that of *Eisenia fetida* *Chemosphere*. 85: 1040-1047.

Chelinho, S.; Domene, X.; Campana, P.; Natal-da-Luz, T.; Scheffczyk, A.; Römbke, J.; Andrés, P. & Sousa, J.P. (2011) Improving ecological risk assessment in the mediterranean area: selection of reference soils and evaluating the influence of soil properties on avoidance and reproduction of the *Oligochaetes Eisenia andrei* and *Enchytraeus crypticus*. *Environmental Toxicology and Chemistry*. 30(5): 1050-1058

Schäffer, A.; van den Brink, P.; Heimbach, F.; Hoy, S.; de Jong, F.; Römbke, J.; Roß-Nickoll, M. & Sousa, J.P. (2010): Semi-field methods for the environmental risk assessment of pesticides in soil. SETAC Press. Pensacola, USA.

Niemeyer, J.C.; Moreira-Santos, M.; Ribeiro, R.; Da Silva, E.M. & Sousa, J.P. (2010) Environmental risk assessment of a metal contaminated area in the Tropics. Tier I: screening phase. *Journal of Soils and Sediments*. 10: 1557-1571.

Natal da Luz, T.; Roembke, J. & Sousa, J.P. (2008) Avoidance tests in site specific risk assessment - the influence of soil properties on the avoidance response of collembolans and earthworms. *Environmental Toxicology and Chemistry*. 27 (5): 1112-117
