

# BIOGRAPHY

25/06/2012

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**Title and name**

Prof. Maria de Lourdes Bastos

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**Nationality**

Portugal

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**Panel**

Additives and products or substances used in animal feed (FEEDAP)

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**Education**

- Aggregation, 1996, University of Porto
- PhD degree in Toxicology, 1988, University of Porto with the Thesis : "Drug residues in meat. Diazepam and Metabolites."

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**Scientific and risk assessment experience**

- Evaluation of toxicological dossiers of drugs for authorization of introduction in the market: national, mutual recognition, and centralized processes.
  - Elaboration of toxicological dossiers of food additives to be applied for marketing authorization.
  - Elaboration of pharmaco-toxicological dossiers of drugs.
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**Main scientific publications**

- Biokinetics and toxicity of nanoparticles by using in vivo and in vitro models.
  - Pharmacokinetic/toxicokinetic studies of compounds by using in vitro models, enabling to establish the best animal model for the toxicological studies of compounds.
  - Speciation analysis of metals in biological samples, including food and feed.
- 1- T. Morais , M. E. Soares , J. A. Duarte , L. Soares , S. Maia , P. Gomes, E. Pereira , S. Fraga , H. Carmo, M. L. Bastos (2012). Effect of surface coating on the biodistribution profile of gold nanoparticles in the rat. European Journal of Pharmaceutics and Biopharmaceutics, 80(1):185-93.
  - 2- M. E. Soares, E. Vieira, M. L. Bastos (2010). Chromium speciation analysis in bread samples. Journal of Agricultural and Food Chemistry, 58(2):1366-70.
  - 3- P. Baptista, S. Ferreira, E. Soares, V. Coelho, M. L. Bastos (2009). Tolerance and stress response of *Macrolepiota procera* to nickel. Journal of Agricultural and Food Chemistry, 57: 7145-7152.
  - 4- R. Dinis-Oliveira, C. Sousa, F. Remião, J. A. Duarte, A. S. Navarro, M. L. Bastos, F. Carvalho (2007). Full survival of paraquat-exposed rats after treatment with sodium salicylate. Free Radical Biology and Medicine 42: 1017–1028.

- 5- I. C.F.R.Ferreira, L. Barros, M. E. Soares, M. L. Bastos, J. A. Pereira (2007). Antioxidant activity and phenolic contents of *Olea europea* L. leaves sprayed with different copper formulations. *Food Chemistry*, 103: 188-195.
- 6- M. E. Soares, J. A. Pereira, M. L. Bastos (2006). Validation of a method to quantify copper and other metals in olive fruits by ETAAS. Application to the residual metal control after Olive Tree treatments with different copper formulations. *Journal of Agriculture and Food Chemistry*, 54 (11):3923-8.
- 7- C. Lima, F. Carvalho, E. Fernandes, M.L. Bastos, P.C. Santos-Gomes, M. Fernandes-Ferreira, C. Pereira-Wilson (2004). Evaluation of toxic/protective effects of the essential oil of *Salvia officinalis* on freshly isolated rat hepatocytes. *Toxicology In Vitro*, 18:457-465.
- 8- P. Valentão, P.B. Andrade, E. Silva, A. Vicente, H. Santos, M.L. Bastos, R. Seabra (2002). Methoxylated Xanthenes in the Quality Control of Small Centaury (*Centaureum erythraea*) Flowering Tops. *Journal of Agriculture and Food Chemistry*, 50, 460-463.
- 9-M.L. Bastos, F. Carvalho, F. Remião, M.E. Mendes, M. A. Ferreira, M.E. Soares, J. A. Timbrell (1997). Changes in taurine levels in response to repeated administration of the beta-agonist salbutamol in lambs. *J. Vet. Pharmacol. Ther.*, 20, 33-7.
- 10- M.E. Soares, M.L. Bastos, M. Ferreira (1994). Determination of total Chromium and Chromium (VI) in Animal Feeds by Electrothermal Atomic Absorption Spectrometry. *J. Anal. At. Spectrom.* 9, 1269-1272.