

Curriculum Vitae

Fernanda Marujo Marques, researcher since 1994 at Grupo Ciências Radiofarmacêuticas, Instituto Superior Técnico/Instituto Tecnológico e Nuclear is graduated in Chemical Engineering (1978) by Instituto Superior Técnico and obtained her PhD in Biochemistry (1993) by Faculdade de Ciências da Universidade de Lisboa. Her research work has been focused on the production of radioisotopes, radiochemistry and the biological evaluation of radioactive compounds and metal based drugs. Co-supervised several Master and PhD theses and supervised a Master thesis. Since 2001, participate as collaborator in the course of "Radiofarmácia" and since 2004 in the Master course "Química Inorgânica Biomédica: Aplicações de Diagnóstico e Terapêutica", ITN/FCUL. Is author and co-author of 50 peer-reviewed international and 7 peer-reviewed national articles and 80 communications in national and international meetings.

Relevant publications:

1-"Insulin and high glucose modulation of phosphatase and reductase enzymes in the human erythrocytes. A comparative analysis in normal and diabetic states". F Marques, ME Crespo, ZI Silva and M Bicho, Diabetes Research and Clinical Practice 47, 191-98 (2000).

2-"TETA analogue containing one methylenephosphonate pendant arm: Lanthanide complexes and biological evaluation of its ¹⁵³Sm and ¹⁶⁶Ho complexes". LM Lima, R Delgado, F Marques, L Gano, I Santos. Eur. J. Med. Chem. 45, 5621-27 (2010).

3-"Nuclear targeting with cell-specific multifunctional tricarbonyl M(III) (M is Re, ^{99m}Tc) complexes: synthesis, characterization, and cell studies". Esteves T, Marques E, Paulo A, Rino J, Nanda P, Smith CJ, Santos I. J Biol Inorg Chem. 16, 1141-53(2011).

4-"Synthesis and biological studies of pyrazolyl-diamine Pt(II) complexes containing polyaromatic DNA-binding groups". Gama S, Mendes F, Esteves T, Marques F, Matos A, Rino J, Coimbra J, Ravera M, Gabano E, Santos I, Paulo A. Chembiochem. 13, 2352-62 (2012).

5- "Novel 7 α -alkoxy-17 α -(4'-halophenylethynyl)estradiols as potential SPECT/PET imaging agents for estrogen receptor expressing tumours: synthesis and binding affinity evaluation". Neto C, Oliveira MC, Gano L, Marques F, Yasuda T, Thiemann T, Kniess T, Santos I. Steroids. 77, 1123-32 (2012).

6-"Cellular Uptake Mechanisms of an Antitumor Ruthenium Compound: The Endosomal/Lysosomal System as a Target for Anticancer Metal-Based Drugs". Côrte-Real L, Matos AP, Alho I, Morais TS, Tomaz AI, Garcia MH, Bicho MP, Marques F. Microsc. Microanal. 19, 1–9 (2013).