

CURRICULUM VITAE

Name: Maria Irene
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Education

- 2001 – PhD in Inorganic Chemistry, FC, UL, Lisbon, Portugal.
- 1993 – Graduate in Chemical Engineering, FCT, UNL, Lisbon, Portugal

Fellowships and Training

- 01/ 2002 - 03/ 2005 Postdoctoral, on development of new methodologies for radiological control of waters, ITN, Sacavém, Doctor Fernando P. Carvalho.
- 06/ 1994-12/ 1996 – Training in synthesis of organometallic complexes, *ITN*, Sacavém, Doctor Noémia Marques.

Scientific Specialization

- Radiochemistry

Main Scientific Area of Research

- Environmental Chemistry

Participation in Projects

- “Epidemiological study of the effects of uranium mining residues”.
Coordinator: Fernando P. Carvalho.
- “National environmental radioactivity survey network”. Coordinator: M. José Madruga
- “CAPEX-VPRACOP” project. Coordinator: M. Reis.

Scientific Works

- PhD Thesis “Reactividade de Compostos de Lantanídeos”, FC, UL, Lisbon, Portugal.

- Author or co-author of 15 original publications in Refereed Journals.
- 32, oral presentations and poster communications to national and international meetings.

Selected Publications

- **Contamination of Hydrographic Basins in Uranium Mining Areas of Portugal**, F. P. Carvalho et al, *Uranium in the Environment, Mining Impact and Consequences*, Merkel, B. J.; Hasche-Berger, A., Ed. Springer-Verlag Berlin Heidelberg, **691-702** (2005).
- **Radioactivity in Tejo and Zêzere Rivers**, M. José Madruga et al, *Radioprotecção*, **38-50** (2006).
- **Gross α / β Measurements in Drinking Waters by Liquid Scintillation Technique: Validation and Interlaboratory Comparison Data**, I. Lopes et al, *Combining and Reporting Analytical Results*, A. Fajgele, M Belli and U. Sansone Ed., RSC Publishing, **294-300** (2006).
- **Trapping of Anionic Organic Radicals by (Tp^{Me2})₂Sm**, Ângela Domingos et al, *Inorg. Chem.* **9415-9424** (2007).
- **Radionuclides from Past Uranium Mining in Rivers of Portugal** F. P. Carvalho et al, *Journal of Environmental Radioactivity*, **298-314** (2007).
- **Measurements of strontium-90 in Portuguese milk samples using Liquid Scintillation Counting Technique**” I. Lopes, M. J. Madruga, *Radioprotection*, **44**, **217-220** (2009).
- **Radiological survey in Tejo River (Portugal)** M. José Madruga, M. Manuela Sequeira, Lídia Silva, Irene Lopes, A. Rita Gomes and Filipa Rodrigues, *Radioprotection*, **44**, **171-176** (2009).
- **Application of Liquid Scintillation Counting Technique to Determination of ⁹⁰Sr in Milk Samples**, I. Lopes and M. José Madruga, Radiocarbon, *LSC 2008, Advances in Liquid Scintillation Spectrometry* ed. J. Eikenberg, M. Jäggi, H. Beer, H. Baehrle, **211-218** (2009).