

Industrial Technologies

Radiation Technologies: Processes and Products

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P. Pinto, S. Cabo Verde, M.J. Trigo, A. Santana, M.L. Botelho, Food irradiation: microbiological, nutritional and functional assessment in Radionuclides Concentration in Foods and the Environment, CRC Press Taylor & Francis Group, Boca Raton, Chap. 13, 411-438, 2006

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M.L. Botelho, R. Melo, T. Silva, S. Cabo Verde, L. Alves, A. Belchior, H. Marcos, The Portuguese experience on wastewater treatment by ionizing radiation: outcome of the project CRP12017 and TC POR/8/010, *The Plant Treatment Challenges of wastewater from Agriculture and Industry, IAEA Workshop, EZN/INIAP*, Vale de Santarém, Portugal, 11-12 May 2006, p.23-26, 2006 (invited talk).

R. Melo, T. Silva, J. Branco, M.L. Botelho, Chemical evaluation: Studies on agro-industry wastewater treatment, *The Plant Treatment Challenges of wastewater from Agriculture and Industry, IAEA Workshop, EZN/INIAP*, Vale de Santarém, Portugal, 11-12 May 2006, p.27-30, 2006, (invited talk) .

S. Cabo Verde, L. Alves, M.L. Botelho, Biological evaluation of wastewater treatment by ionizing radiation, *The Plant Treatment Challenges of wastewater from Agriculture and Industry, IAEA Workshop, EZN/INIAP*, Vale de Santarém, Portugal, 11-12 May 2006, p.31-35, 2006, (invited talk) .

A. Belchior, P. Vaz, M.L. Botelho, Technical feasibility – Studies for applying a lab scale treatment process of wastewater by gamma radiation: Monte Carlo simulation and dosimetric studies, *The Plant Treatment Challenges of wastewater from Agriculture and Industry, IAEA Workshop, EZN/INIAP*, Vale de Santarém, Portugal, 11-12 May 2006, p.36-38, 2006, (invited talk) .

R. Melo, J. Branco, M.L. Botelho, Economical feasibility – slaughterhouse sewage treatment using gamma radiation, *The Plant Treatment Challenges of wastewater from Agriculture and Industry, IAEA Workshop, EZN/INIAP*, Vale de Santarém, Portugal, 11-12 May 2006, p.39-43, 2006 (invited talk) .

M.J. Pessoa Trigo, A. Ferreira, M.M. Sapata, M.B. Sousa, T. Curado, L. Andrada, E.S. Ferreira, M.L. Botelho, M.G. Veloso, Low-dose gamma radiation effects on watermelon shelf life, *Congreso Int. de Ciencia y Tecnologia de los Alimentos*, Cordoba, Argentina, 15-17 Nov. 2006, p.195, 2006.

A. Belchior, P. Vaz, M.L. Botelho, Monte Carlo Simulation and dosimetric studies of an irradiation facility, *10th Int. symp. on Radiation Physics*, Coimbra, Portugal, 17-22 Sep. 2006, p.H-2, 2006.

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M.L. Botelho, A new approach using ionizing radiation for effluent treatment, *Workshop on the use of indicator organisms in evaluation of health risks presented by raw and treated animal manures*, Cemagref, Rennes, France, 28-30 Jun. 2006, invited talk.

M.L. Botelho, The potentiality of the ionizing radiation technology application in the remediation of the wastewater: biological evaluation – Outcome of the project CRP 12017 and TC POR/08/010, *3rd Res. IAEA Coord. Meeting on Remediation of polluted Waters and Wastewaters by Radiation Processing*, Vienna, Austria, 4-8 Sep. 2006, Invited talk.

A. Belchior, S. Cabo Verde, A utilização de raios gama na conservação e restauro, *2^o Encontro Int. de Tecnologias Aplicadas a Museologia, Conservação e Restauro*, Univ. Coimbra, Portugal, 19-20 Oct. 2006, Invited talk.

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M.L. Botelho, Estudos de Esterilização – Projecto BIOSTRAT, *ADI auditation of BIOSTRAT Project*, Bluepharma, Coimbra, Portugal, 21 Jun. 2006, oral.

M.L. Botelho, Antibiotic liposome formulation radiosterilization - a case study, *11th Tihany Symp. Radiation Chem.*, Eger, Hungary, Aug 2006, oral.

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determinação da carga microbiana, *2nd report BIOSTRAT Project*, Feb. 2006, pp. 1-33.

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M.L. Botelho, J. Branco, C. Freitas, P. Ferreira, A. Belchior, A. Costa, I. De Sousa, L. Alves, L. Machado, P. Matos, R. Cordeiro, R. Melo, R. Ribeiro, R. Zeinou, S. Cabo Verde, T. Silva, V. Farinha, Implementation of ionising radiation on wastewater

treatment: the portuguese study case, *3rd IAEA Research Coord. Meeting on Remediation of polluted waters and wastewaters by radiation processing*, Vienna, Austria, 4-8 Sep. 2006, (Invited talk)

Theses

Graduation

F. Pinto, Reestruturação de laboratórios – execução de uma base de dados e de um esboço de uma planta estrutural, Escola Superior de Tecnologias de Saúde de Lisboa (ESTeSL). Supervisors: M.L. Botelho and A. Coelho Dec. 2006.

T. Silva, Estudo do impacto da radiação ionizante em águas residuais: suiniculturas e indústria de lacticínios, Escola Superior Agrária de Santarém. Supervisors: R. Melo, M.L. Botelho and P. Pinto, Dec. 2006.

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