

AMARILIS DE VARENNES

Professora Catedrática do Instituto Superior de Agronomia.

Licenciatura em Engenharia Agronómica pelo Instituto Superior de Agronomia.

Doutorada (PhD) em Ciências Biológicas pela Universidade de East Anglia, UK.

DISCIPLINAS LECCIONADAS

Coordenação da unidade curricular anual de Química Geral e Bioquímica (1º ciclo).

Coordenação da unidade curricular anual de Física e Química (1º ciclo) e aulas teóricas e práticas do módulo de química.

Coordenação e aulas teóricas e práticas da unidade curricular de Monitorização Ambiental (1º ciclo).

Algumas aulas teóricas e práticas da unidade curricular de Génese e Qualidade dos Solos (2º ciclo).

Algumas aulas teóricas e práticas da unidade curricular de Solos e Nutrição (1º ciclo).

Algumas aulas teóricas e práticas da disciplina de Fisiologia Vegetal (1º ciclo de Biologia).

TRABALHOS PUBLICADOS NOS ÚLTIMOS TRÊS ANOS

Qu G, Varennes A de, Cunha-Queda C 2009 Use of insoluble polyacrylate polymers to aid phytostabilization of mine soils: effects on plant growth and soil characteristics. *Journal of Environmental Quality*, in press

Carranca C, Rocha I, de Varennes A, Oliveira A, Pampulha ME, Torres MO 2009 Effect of tillage and temperature on nitrogen mineralization and microbial activity and microbial numbers of lupine amended soil. *Agrochimica* 53 (3): 183-195.

Qu G, Varennes A de, Cunha-Queda C 2009 Amendment of an acid mine soil with compost and polyacrylate polymers enhances enzymatic activities but may change the distribution of plant species. *Air, Water & Soil Pollution*, in press

Qu G, Varennes A de, Martins LL, Mourato MP, Cardoso AI, Mota AM, Pinto AP, Gonçalves ML 2009 Improvement in soil and sorghum health following the application of polyacrylate polymers to a Cd-contaminated soil. *Journal of Hazardous Materials*, in press

Pinto AP, Alves, Candeias, Cardoso AI, Varennes A de, Martins ML, Mourato M, Gonçalves ML, Mota AM 2009 Cadmium accumulation and antioxidative defences in *Brassica juncea* L. Czern, *Nicotiana tabacum* L. and *Solanum nigrum* L. *International Journal of Environmental Analytical Chemistry*, 89 (8-12): 661-676.

Varenes A de, Cunha-Queda C, Ramos AR 2009 Polyacrylate polymers as immobilizing agents to aid phytostabilization of two mine soils. *Soil Use and Management* 25: 133–140.

Varenes A de, Qu G, Abreu M, Cunha-Queda C, 2009 Enzymatic activity of a mine soil varies according to the vegetation cover and level of compost applied. *International Journal of Phytoremediation*, in press.

Alvarenga P, Palma P, Gonçalves AP, Fernandes RM, de Varenes A, Vallini G, Duarte E, Cunha-Queda AC 2009 Organic residues as immobilizing agents in aided phytostabilization: II Effects on soil biochemical and ecotoxicological characteristics. *Chemosphere* 74: 1301–1308.

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Alvarenga P, Gonçalves AP, Fernandes RM, de Varenes A, Vallini G, Duarte E, Cunha-Queda AC. 2009 Reclamation of a mine contaminated soil using biologically reactive organic matrices. *Waste Management & Research* 27: 101-111.

Neto C, Carranca C, Clemente J, de Varenes A. 2008 Nitrogen distribution, remobilization and re-cycling in young orchard of non-bearing 'Rocha' pear trees. *Scientia Horticulturae* 118: 299-307.

Alvarenga P, Gonçalves AP, Fernandes RM, de Varenes A, Vallini G, Duarte E, Cunha-Queda AC. 2008 Evaluation of composts and liming materials in the phytostabilization of a mine soil using perennial ryegrass. *Science of the Total Environment* 406: 43-56.

Guiwei Q, de Varenes A, Cunha-Queda C 2008 Remediation of a mine soil with insoluble polyacrylate polymers enhances soil quality and plant growth. *Soil Use and Management* 24: 350-356.

Alvarenga P, Palma P, Gonçalves AP, Baião N, Fernandes RM, de Varenes A, Vallini G, Duarte E, Cunha-Queda AC 2008 Assessment of chemical, biochemical and ecotoxicological aspects in a mine soil amended with sludge of either urban or industrial origin. *Chemosphere* 72: 1774-1781.

Alvarenga P, Palma P, Gonçalves AP, Fernandes RM, Varenes A de, Vallini G, Duarte E, Cunha-Queda AC 2008 Evaluation of tests to assess the quality of mine-contaminated soils. *Environmental Geochemistry and Health* 30: 95-99.

Varenes A de, Goss MJ 2007 The tripartite symbiosis between legumes, rhizobia and indigenous mycorrhizal fungi is more efficient in undisturbed soil. *Soil Biology & Biochemistry* 39: 2603-2607.

Varenes A de, Torres MO, Cunha-Queda C, Goss MJ, Carranca C 2007 Nitrogen conservation in soil and crop residues as affected by crop rotation and soil disturbance under Mediterranean conditions. *Biology and Fertility of Soils* 44:49-58.

Menino MR, Carranca C, Varennes A de 2007 Distribution and remobilization of nitrogen in young non-bearing orange trees grown under Mediterranean conditions. *Journal of Plant Nutrition* 30:1083-1096.