

General information

Born on the 17th of January 1964 in Évora, Portugal.

Profession: Professor at the [Escola Superior Agrária de Coimbra](#)

(School of Agriculture/[Polytechnic Institute of Coimbra](#))

Adress: [Escola Superior Agrária de Coimbra](#), 3040-316 Coimbra, Portugal.

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Academic training

2003 - PhD student in Forestry (thesis submitted in December 2002), Department of Forestry, [Institute of Agronomy/Technical University of Lisbon](#), Portugal.

1997 - MSc in "Environment and Renewable Resources", [Mediterranean Agronomic Institute of Chania/International Center for Advanced Mediterranean Agronomic Studies](#), Greece.

1988 - BSc in Forestry, [Institute of Agronomy/Technical University of Lisbon](#), Portugal.

Professional training

1999-2003 - Professor, [Escola Superior Agrária de Coimbra](#), Portugal.

1991-1999 – Lecturer, [Escola Superior Agrária de Coimbra](#), Portugal.

1988-1991 - Chief of the Forestry Department, [Companhia das Lezírias – SA](#), Portugal.

1987 – Trainee, [Service des Forêts et de la Faune](#), Lausanne/Switzerland.

1986 – Trainee, [Estação Florestal Nacional](#) (Forest Research Station)/[INIAP](#), Portugal.

Research interests

Forest fires, Mediterranean ecosystems, Root studies

Language skills

Portuguese (native speaker)

English, French, Spanish, Italian

Teaching activity

I have been teaching at [Escola Superior Agrária de Coimbra](#) since 1991

Courses: Land-Use Systems, Forest Fires, Cork-Oak Silviculture, Agro-Forestry Systems, Forest Zoology and Forest Dendrology.

I was also teaching at [Escola Superior Agrária de Beja](#) during 1996/97 the courses of Silviculture, Ecology of Mediterranean Agro-Forestry Systems and Sampling and Inventory of Forest Resources.

Research activity

I have participated in the following research projects:

1998 - 2001 MODMED III-Modelling Mediterranean Ecosystem Dynamics (contract ENV4-CT97-0680).

1998 - 2001 PRAXIS XXI-Valorização do pinhal bravo (contract 3/3.2/Flor/2120/95).

1998 - 2001 Program JNICT/CNEFF-Efeito do fogo controlado nas populações de vertebrados terrestres (contract PEAM/C/IF/0004/97).

1995 - 1996 MODMED II-Modelling Vegetation Dynamics and Degradation in Mediterranean Ecosystems (contract ENV4-CT95-0139).

Other activities

1998 - Coordinator of the "Manual de Silvicultura para a Prevenção de Incêndios" (Manual of Silviculture for Forest Fire Prevention) produced by the National Forest Service ([DGF](#)).

1998 – Advisor of the forest fires prevention campaign "Viver é conviver" produced by the [University of Aveiro](#).

1994 – Team coordinator of a forest inventory in Guinea-Bissau in the frame of a protocol between the Guinean Forest Service and the [Escola Superior Agrária de Coimbra](#) .


1993 – 1994 Coordinator at [Escola Superior Agrária de Coimbra](#) of the European program COMPOSTELA-FLORESTA (RECITE).


1989 – 1994 Author of four afforestation projects.

Publications

Research papers

Silva J.S. & Rego F.C., Root distribution of a mediterranean shrubland in Portugal. [Plant and Soil](#) (accepted for publication)

Silva J.S., Rego F.C. & Martins-Loução M.A., 2003. Root distribution of mediterranean woody plants: introducing a new empirical model. [Plant Biosystems](#) 137(1) in press. 

Silva J.S., Rego F.C. & Martins-Loução M.A., 2002. Belowground traits of mediterranean woody plants in a portuguese shrubland. [Ecologia Mediterranea](#) 28(2): 5-13. 

Silva J.S. & Rego F.C., 1998. Factors affecting the establishment of woody species after fire in Central Portugal. In Trabaud L. (ed.), Fire Management and Landscape Ecology. [IAWF](#), Fairfield, 103-114 pp.

Silva J.S. & Rego F.C., 1997. Establishment of mediterranean woody species after fire in Central Portugal. [Silva Lusitana](#) 5: 193-209.

Other papers

Silva J.S., 2002. E depois do fogo ?. II A evolução da vegetação. Published on line in www.naturlink.pt, 17th of July.


Silva J.S., 2002. E depois do fogo ?. I Os efeitos dos incêndios. Published on line in www.naturlink.pt, 25th of July.

Silva J.S., 2000. A floresta que o país quer ? [ABC do Ambiente](#) 16(23).

Silva J.S., 1999. An overview on Portuguese forestry. [Revista Padurilor](#) 6 :7-12.

Silva J.S., 1988. Aspectos da floresta suíça. [Revista Florestal](#) 2(3): 27-29.

Presentations in Congresses and Conferences

Silva J.S., Rego F.C. & Mazzoleni S., 2002. Fire effects on soil water dynamics in a Mediterranean shrubland. In Viegas D.X. (ed.), Proceedings of the [IV International Conference on Forest Fire Research](#). Luso, Portugal. 

Silva J.S., 2000. Silvicultura para a prevenção de incêndios. In Actas do Congresso Ibérico de Fogos Florestais. [Escola Superior Agrária de Castelo Branco](#), Castelo Branco, Portugal, 55-63 pp.

Delgado A., Moreira F., Borralho R., Silva J.S. & F. Rego, 1999. Effects of prescribed fire on the breeding bird community of *Pinus pinaster* plantations in Northern Portugal. In 2nd Meeting of the European Ornithologists Union, Gdansk, Poland.

Silva J.S., Fernandes P., Vasconcelos J., 1999. The effect of surface fuels and fire behavior of thinning a *Pinus pinaster* stand in Central Portugal. In Neuenschwander L.F.

& K.C. Ryan (eds.), Proceedings from the Joint Fire Science Conference and Workshop, [University of Idaho/IAWF](#), Boise, USA, 275-277 pp.

Silva J.S. & Rego F.C., 1998. Estimation of seedling densities of Mediterranean woody species after fire. In Viegas D.X. (ed.), Proceedings of the [III International Conference on Forest Fire Research](#). Luso, Portugal, 1753-1764 pp.

Pinheiro L. & Silva J.S., 1994. O Programa Compostela Floresta na Região Centro. In Páscoa F., Pinheiro P. & Isidoro A. (eds.), Actas do III Congresso Florestal Nacional. [Sociedade Portuguesa de Ciências Florestais](#), Figueira da Foz, Portugal, 412-425 pp.

Reports

Amato M., Mulligan M., Silva J.S., Giannino F. & Mazzoleni S., 2001, Plant soil water relation. In Mazzoleni S. & Legg C. (eds.), Modmed III - Modelling Mediterranean Ecosystem Dynamics, Final Report. European Union, DG XII, Brussels, 279-282 pp.

Silva J.S., Gonçalves P. & Rego F.C., 2001. Soil water relation and root development in Mafra, Portugal. In Mazzoleni S. & Legg C. (eds.), Modmed III - Modelling Mediterranean Ecosystem Dynamics, Final Report. European Union, DG XII, Brussels, 89-110 pp.

Arianoutsou M., Kazanis D., Papavassiliou S., Esposito A., Strumia S., Mazzoleni S., Silva, J.S. & Rego F., 1997. Seedling establishment. In Mazzoleni S., Legg, C., Strumia S. & Migliozzi A. (eds), ModMED II-Modelling Vegetation Dynamics and Degradation in Mediterranean Ecosystems, Final Report, European Commission DG XII/D2, Brussels, 82-90 pp.

Silva J.S., 1997. Algumas considerações sobre a necessidade de intervenção nos povoamentos de sobreiro e azinheira da Herdade do Galisteu ([STORA CELBI Celulose Beira Industrial - S.A.](#)). [Escola Superior Agrária de Coimbra](#), Coimbra.

Silva J.S., Tavares, J.M., Gaspar, J. de J. & Páscoa, F., 1995. Inventário florestal na República da Guiné-Bissau. [Escola Superior Agrária de Coimbra/IPC](#), Coimbra.

Silva J.S., 1989. Proposta de ordenamento para o montado de sobreiro da [Companhia das Lezírias – SA](#). Companhia das Lezírias-SA, Samora Correia.

Silva J.S., 1986. Avaliação das potencialidades florestais da Quinta do Freixo e sugestões para o seu ordenamento. Activity Report. [Estação Florestal Nacional](#), Lisboa.

Other publications

Silva J.S. *et al.* 2002. Manual de Silvicultura para a Prevenção de Incêndios. [DGF](#), Lisboa.

Lopes C., Providência, F. Letria J.J. & Silva J.S., 1998. Campanha viver é conviver. Formar o cidadão para prevenir os incêndios nas florestas. [DGF/ University of Aveiro](#), Lisboa.