

CURRICULUM VITAE (summarized)

Name: Pedro César Ochôa de Carvalho

Professional Name: Pedro Ochôa de Carvalho

Title: Assistant Professor

Mobile phone: ++ 351 917806691

Email: pedroocha@isa.ulisboa.pt

Date of Birth: 11 /09 / 1960

Nationality: Portuguese

Education

1984: Graduation Forestry (Production Forestry)

Instituto Superior de Agronomia, Universidade Técnica de Lisboa (ISA/UTL)

1984: Tropical Forestry free Course

Instituto Superior de Agronomia, Universidade Técnica de Lisboa (ISA/UTL)

1986: MSc Plant Production (frequency)

Instituto Superior de Agronomia, Universidade Técnica de Lisboa (ISA/UTL)

2000: PhD Forestry (ISA/UTL)

Experience

Present position: 2000 Assistant Professor at the Agronomy Institute, University of Lisbon (ISA/UL) (Forestry Department),

- Lecturing classes of Forest Policy and Governance, Forest History, Sustainable Development and Forest Certification and Silvicultural and agroforestry systems (including tropical systems), Forest Operations (Graduation and MSc degrees)

Previous positions: 1987 Assistant (ISA/UTL) lecturing Forest Harvesting, Forest Management and Forest Economy

Main Scientific area of research: Forest Policy and Governance, Sustainable Forest Management.

Other scientific and technical areas of interest: Sustainable Forest Management. Forest Certification. Forest harvesting and environmental impacts of forest operations. Agroforestry systems. Forest History.

Research projects

Carbon Sequestration and Sustainable Forest Management in Southern Portugal. Agro 2003

Improvement of exploitation productivity and transportation in forest areas. Agro 2003

Sustainable Forest Management: a european network of operational methodologies on pilot zones. 0-20 FORSEE - INTERREG IIIB.

Action COST E19 National Forest Programmes in a European Context, nomeadamente no Grupo de Trabalho 1 (WG1) - Specification of Elements and Procedural Requirements of NFPs.

Integral – Future oriented integrated management of European forest landscapes (INTEGRAL: www.integral-project.eu) in Work package on Policy analysis and foresight for integrated forest management.

Startree – Multipurpose trees and non-wood forest products a challenge and opportunity (STARTREE: www.star-tree.eu) in Work packages 4 and 5 on Institutional dimensions of non wood forest products (NWFP) and Innovation systems and processes.

Simwood – Sustainable Innovative Mobilisation of Wood (SIMWOOD: <http://simwood.efi.int/>).

Alterfor - Alternative models and robust decision-making for future forest management (<https://www.alterfor-project.eu>)

Publications

Book (author)

Carvalho, P.O.; Caldeira, M.C.; Millard, P. and Pereira, J.S.. 1993. Growth, nitrogen uptake and internal cycling in Eucalyptus globulus seedlings in relation to nitrogen supply. In Fragoso, M.A.C. and van Beusichem, M.L. (eds.), Optimization of Plant Nutrition, 629 - 634. Kluwer Academic Publ. Dordrecht.

Pereira, J.S., Chaves, M.M., Carvalho, P.O., Caldeira, M.C. and Tomé, J. 1994. Carbon Assimilation, Growth and Nitrogen Supply in Eucalyptus globulus Plants. In Roy, J. and Garnier, E (eds.) A Whole Plant Perspective on Carbon-Nitrogen Interactions, 79 - 89. SPB Academic Publ. The Hague.

Soares, P.; Carvalho, P e Tomé, M. 1998. Silvopastoral and agrisilvicultural systems in Portugal. In Pukkala, T. e Eerikänen, K. (eds.) Modelling the growth of tree plantations and agroforestry systems in south and east Africa. Research notes 80. Univ. Joensuu.

Carvalho, P.O. and Coelho, I. S. 2002. Institutional and Intersectorial Aspects of the National Forest Policy in Portugal. In Tikkanen, I.; Glück, P. e Pajuoja, H. (eds.) Cross-sectoral Policy Impacts on Forests. EFI Proceedings nº 46.

Alves AM; Almeida MH; Goes A; Carvalho PO, 2018. A Exploração Florestal in Alves AM; Almeida MH; Goes A (eds) Plantações Florestais. Cap. 6 pp 259-297. ISA Press, Lisboa

Carvalho PO; Simões O, 2018. Governança e Políticas Públicas. O processo de decisão política em sistemas complexos in Simões O (ed) O Rural Depois do Fogo, pp 23-44 ESAC/IPC

Papers in international journals with referee

Wendler, R., Carvalho, P.O., Pereira, J.S. and Millard, P. 1995. Role of Nitrogen Remobilisation from old leaves for new leaf growth of Eucalyptus globulus seedlings. *Tree Physiology*. 15, 679 - 683.

Correia, A., Faias, S., Tomé, M., Faias, S., Dias, A., Freire, J., e Carvalho, P., Pereira, J. 2010 "Biomass allometry and carbon factors for a Mediterranean pine (*Pinus pinea* L.) in Portugal" *Forest Systems* 19(3): 418-433.

José G. Borges, Susete Marques, Jordi Garcia-Gonzalo, Arif Ur Rahman, Vladimir Bushenkov, Miguel Sottomayor, Pedro O. Carvalho, and Eva-Maria Nordström, 2017. A Multiple Criteria Approach for Negotiating Ecosystem Services Supply Targets and Forest Owners' Programs. *For. Sci.* 63(1):49–61 <http://dx.doi.org/10.5849/FS.2016-035>

Nataly Juerges, Bas Arts, Mauro Masiero, Emin Z. Başkent, José G. Borges, Yvonne Brodrechtova, Vilis Brukas, Maria João Canadas, Pedro Ochôa Carvalho, Giulia Corradini, Edwin Corrigan, Adam Felton, Marjanke Hoogstra-Klein, Max Krott, Jim van Laar, Isak Lodin, Anders Lundholm, Ekaterina Makrickienė, Marlene Marques, Américo Mendes, Gintautas Mozgeris, Ana Novais, Davide Pettenella, Nerijus Pivoriūnas, 2020. Integrating ecosystem services in power analysis in forest governance: A comparison across nine European countries. *Forest Policy and Economics*, Vol 121 <https://doi.org/10.1016/j.forpol.2020.102317>

Nataly Juerges, Bas Arts, Mauro Masiero, Marjanke Hoogstra-Klein, José G. Borges, Yvonne Brodrechtova, Vilis Brukas, Maria João Canadas, Pedro Ochôa Carvalho, Giulia Corradini, Edwin Corrigan, Adam Felton, Uzay Karahalil, Uğur Karakoc, Max Krott, Jim van Laar, Isak Lodin, Anders Lundholm, Ekaterina Makrickienė, Marlene Marques, Américo Mendes, Gintautas Mozgeris, Ana Novais, Davide Pettenella, Nerijus Pivoriūnas, Burak Sarı, 2021. Power analysis as a tool to analyse trade-offs between ecosystem services in forest management: A case study from nine European countries. *Ecosystem services* Vol 49 <https://doi.org/10.1016/j.ecoser.2021.101290>

Papers in national journals with referee

Carvalho, P.O. 1998. Gestão florestal sustentável e certificação. *Revista Florestal*. Vol XI (1), 16 - 21.

Carvalho, P.O. 1998. Florestas e certificação florestal. *Revista Florestal* Vol XI (2), 10 - 17.

Alexandra Correia, Sónia Faias, Margarida Tomé, Mafalda Evangelista, João Freire e Pedro Ochôa de Carvalho. 2008 Ajustamento simultâneo de equações de biomassa de pinheiro manso no sul de Portugal. *Silva Lusitana* 16(2): 197 – 205

Presentations in scientific meetings

Carvalho, P.O. 2007. "Forest science-policy interface in practice. Portugal case paper". International Workshop: National Forest Programmes - A Tool for Strengthening Science Policy Interface in Practise held in Zagreb, Croatia 20-21 February 2007. publicado em <http://www.efi.int/attachments/events/2007/portugal.pdf>.

Pereira, S., Borges, J.C. e Carvalho, P.O. A eficácia do interface ciência-política florestal. V Congresso Florestal Nacional, 16-19 de Maio de 2005 (Actas)

International course

2006: "Communication in Urbanized Forestry and Green-space Management". Danish Centre for Forest, Landscape and Planning. Noebedo, Denmark.

Member of the national directory of foresters in the Portuguese Professional organization of Engineers (*Ordem dos Engenheiros*), having supervised both the periodic publication and the web page, concerning foresters profession.

Lisbon, 2025