

**Personal information****LOPES, Carlos Manuel****E-mail** [carlosmlopes@isa.ulisboa.pt](mailto:carlosmlopes@isa.ulisboa.pt)**Position** Associate Professor (Professor Associado) at University of Lisbon, Instituto Superior de Agronomia (ISA), Portugal.**Academic Degrees**  
2006: Habilitation, Technical University of Lisbon, ISA, Portugal;  
1994: PhD in Agronomic Engineering, Technical University of Lisbon, ISA, Portugal  
1990: Master of Sciences in Plant Production, Technical University of Lisbon. ISA, Portugal  
1984: Graduation in Agricultural Engineering, University of Évora, Portugal**Professional experience**

- In the last thirty years he has been teaching and researching in the area of Viticulture dealing with the effects of vineyard cultural practices (training systems, canopy management, irrigation and cover cropping) on vine ecophysiology, growth, yield and berry composition. More recently has been involved in research projects regarding precision viticulture and climate change. He has been consultant for vineyard and irrigation management of several estates in Portugal;

- Participation in several Portuguese and European research projects

- July 2018 to now: Coordinator of the Master in Viticulture and Enology Engineering, Univ.Lisbon/Univ.Porto;

- 2014 to now: Co-Coordinator of the Post-Graduation in Wine Business, ISEG & ISA, University of Lisbon.

**Teaching**Study program in Agronomic Engineering (1 st Cycle), Univ. of Lisbon, ISA

Lectures : Viticulture

Study program Master in Viticulture and Enology Engineering (2<sup>nd</sup> Cycle), Univ. of Lisbon and Oporto and Viticulture and Enology Research Station

Lectures/Coordination : Fundamentals of Viticulture

:Viticulture/coordinator;

: Viticultura Avançada/coordinator;

: Viticultura de Montanha e Semi-Árida e Tropical/co-coordinator

: Seminário/coordinator

Vinifera EuroMaster/Erasmus – Mundus – Master of Sciences in Viticulture and Enology (2<sup>nd</sup> Cycle), with several European Universities

Lectures &amp; coordination: Advanced Viticulture, Mountain and Semi-Arid and Tropical Viticulture; Seminar.

**Research : 5 selected recent publications**Chaves MM, Costa JM, Zarrouk O, Pinheiro C, **Lopes CM** and Pereira JS 2016. Controlling stomatal aperture in semi-arid regions - The dilemma of saving water or being cool? *Plant Science*, 251, 54–64.Costa, J.M, Vaz, M., Escalona, J., Egipto, R., **Lopes, CM.**, Medrano, H., Chaves, M.M. 2016. Modern viticulture in southern Europe: Vulnerabilities and strategies for adaptation to water scarcity. *Agricultural Water Management* 164, (1), 5–18.García-Tejero IF, Costa JM, Egipto R, Durán-Zuazo VH, Lima RSN, **Lopes CM**, Chaves, MM, 2016. Thermal data to monitor crop-water status in irrigated Mediterranean viticulture. *Agricultural Water Management*, 176, 80–90.**Lopes, C.M.**, Santos, T., Monteiro, A.; Rodrigues, M.L, Costa, J.M. & Chaves, M.M. 2011. Combining cover cropping with deficit irrigation in a Mediterranean low vigor vineyard. *Scientia Horticulturae* , **129**:603-612.Zarrouk O, Brunetti C, Egipto R, Pinheiro C, Genebra T, Gori A, **Lopes CM**, Tattini M and Chaves MM (2016). Grape ripening is regulated by deficit irrigation/elevated temperatures according to cluster position in the canopy. *Frontiers in Plant Science* 7:1-18.**Memberships**Scientific societies:

- International Society for Horticulture Science

- Sociedade de Ciências Agrárias de Portugal;

- GiESCO: Group of International Experts for Cooperation on Vitivincultural Systems