



CURRICULUM VITAE

MARIA CELESTE DIAS

CELESTE DIAS
2018

PERSONAL DETAILS

Name: Maria Celeste Pereira Dias

Date of birth: 02/02/1975

Nationality: Portuguese

PROFESSIONAL DETAILS

Position: Post-Doctoral researcher

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University of Aveiro, Portugal

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**RESEARCH INTERESTS**

- Plant ecophysiology: Understand the physiological and metabolic mechanisms that enable plants to cope with abiotic stress (e.g. drought, heat and UV radiation);
- Metabolomics: Identification of key metabolites that could be involved in plant tolerance to stresses (metabolite profiling);
- Plant Biotechnology: “elite” genotypes characterization, selection and improvement using biotechnology tools (in vitro culture) and optimization of acclimatization processes plant.

CURRENT POSITION

2015-present: Post-doc fellowship by FCT (SFRH / BPD / 100865/ 2014) “AdaptOlive - Understanding olive adaptations to changing environments: physiology, metabolomics and gene expression”. Supervisors: Dr. Conceição Santos, Dr. Artur Silva and Dr. Helena Freitas. University of Coimbra and University of Aveiro.

PREVIOUS APPOINTMENTS

- 2008-2015: Post-doctoral researcher funded by an FCT fellowship (SFRH / BPD / 41700 / 2007), "Large scale micropropagation and acclimatization to field conditions of elms: evaluation of genetic variability and physiology", Department of Biology, University of Aveiro and CESAM, Portugal. Supervisor: Prof. Dr. Maria da Conceição Santos.
- 4/2008 - 9/2008: Collaboration in the project "Plant performance studies under nematode infection", under the coordination of Prof. Dr. Helena Freitas, University of Coimbra, Portugal.
- 7/2007 - 9/2007: Collaboration in the project "Influence of fire and clearing on the ecology of *Tuberaria major*" (POCI/BIA-BDE/56228/2004) under the coordination of Prof. Dr. Maria João Correia, University of Algarve, Portugal.
- 3/2002 - 3/2005: Research Assistant (*Wissenschaftler Mitarbeiterin*) in the Botanische Institut, Johann Wolfgang Goethe Universität, Germany.
- 12/2000 - 8/2001: Grant holder (BIC) in the project: "Recovery of photosynthesis and nitrogen metabolism after the relief of water deficits" (POCTI/1999/AGR/36145), under the coordination of Prof. Dr. Maria João Correia, University of Algarve, Portugal.

ACADEMIC QUALIFICATIONS

2005 - PhD in Biology, Johann Wolfgang Goethe Universität, Frankfurt am Main, Germany. Dissertation title: "The role of C₃ and C₄ metabolism for drought tolerance in the genus *Flaveria*". Supervisor: Prof. Dr. Wolfgang Brüggemann.

2001 - 5-year BSc degree in Biotechnology Engineering, University of Algarve, Portugal.

LANGUAGES (SPOKEN AND WRITTEN)

Portuguese, English, German and Spanish.

PUBLICATIONS

Articles in SCI-journals

1. Silva S, Santos C, Serôdio J, Silva AMS, **Dias MC** (In press) Physiological performance of drought stressed olive plants when exposed to a heat+UV-B shock and after stress relief. *Functional Plant Biology*. DOI: 10.1071/FP18026. (IF 2.083 and Q1 in Agronomy and Crop Science for 2017/2018)
2. **Dias MC**, Santos C, Pinto G, Silva AMS, Silva S (In press) Titanium dioxide nanoparticles impaired both photochemical and non-photochemical phases of photosynthesis in wheat. *Protoplasma*. IF: 2.457; DOI: 10.1007/s00709-018-1281-6
3. **Dias MC**, Pinto CGA, Correia C, Moutinho-Pereira J, Freitas H, Silva AMS, Santos C (2018) UV-B radiation modulates physiology and lipophilic metabolite profile in *Olea europaea*. *Journal of Plant Physiology*, 222: 39-50. IF: 2.833; DOI: 10.1016/j.jplph.2018.01.004
4. **Dias MC**, Correia S, Serôdio J, Silva AMS, Freitas H, Santos C (2018) Chlorophyll fluorescence and oxidative stress endpoints to discriminate olive cultivars tolerance to drought and heat episodes. *Scientia Horticulturae* 231: 31–35. IF: 1.760; DOI: 10.1016/j.scienta.2017.12.007
5. Nunes S, Sousa D, Pereira VT, Correia S, Marum L, Santos C, **Dias MC** (2018) Efficient protocol for *in vitro* mass micropropagation of slash pine. *In Vitro Cellular & Developmental Biology - Plant* 54: 175-183. IF: 1.057; DOI: 10.1007/s11627-018-9891-4
6. López-Orenes A, **Dias MC**, Ferrer MA, Calderón A., Moutinho-Pereira J., Correia C, Santos C (2018) Different mechanisms of the metalliferous *Zygophyllum fabago* shoots and roots to cope with Pb toxicity. *Environmental and Science Pollution Research* 25: 1319-1330. IF: 2.800; DOI: 10.1007/s11356-017-0505-1
7. Nunes S, Marum L, Farinha N, Pereira VT, Almeida T, Sousa D, Mano N, Figueiredo J, **Dias MC**, Santos C (2018) Somatic embryogenesis of hybrid *Pinus elliottii* var. *elliottii* × *P. caribaea* var. *hondurensis* and ploidy assessment of somatic plants. *Plant Cell, Tissue and Organ Culture* 132: 71-84. IF: 2.004; DOI 10.1007/s11240-017-1311-7.
8. Monteiro M, Sario S, Mendes R, Ponte NM, Silva S, Oliveira H, Bastos V, Santos C, **Dias MC** (2018) Bridging a gap between Cr(VI)-induced oxidative stress and genotoxicity in lettuce organs after a long-term exposure. *International Journal of Agronomy*, Article ID 5738014, 8 pages. DOI: 10.1155/2018/5738014
9. Nunes S, Marum L, Farinha N, Pereira VT, Almeida T, **Dias MC**, Santos C (2017) Plant regeneration from ploidy-stable cryopreserved embryogenic lines of the *hybrid Pinus elliottii* × *P. caribaea*. *Industrial Crops & Products* 105: 215–224. IF: 3.181; DOI: 10.1016/j.indcrop.2017.05.015

10. Machado F, Dias MC, Pinho PG, Araújo AM, Pinto D, Silva A, Correia C, Moutinho-Pereira J, Santos C (2017) Photosynthetic performance and volatile organic compounds profile in *Eucalyptus globulus* after UVB radiation. *Environmental and Experimental Botany* 140: 141-149. IF: 4.369; DOI: 10.1016/j.envexpbot.2017.05.008
11. Araújo M, Santos C, Costa M, Moutinho-Pereira J, Correia C, **Dias MC** (2016) Plasticity of young *Moringa oleifera* L. plants to face water deficit and UVB radiation challenges. *Journal of Photochemistry & Photobiology, B: Biology*, 162:278–285. IF: 2.673; DOI: 10.1016/j.jphotobiol.2016.06.048
12. Nunes S, Santos C, Moutinho-Pereira J, Correia C, Oliveira H, Oliveira JMF, Pereira VT, Almeida T, Marum T, **Dias MC** (2016) Physiological characterization and true-to-typeness evaluation of in vitro and ex vitro seedlings of *Pinus elliotii*: A contribution to breeding programs. *Plant Physiology and Biochemistry*, 107:222–227. IF: 2.724; DOI: 10.1016/j.plaphy.2016.05.039
13. **Dias MC**, Moutinho-Pereira J, Correia C, Monteiro C, Araújo M, Brüggemann W, Santos C (2016) Physiological mechanisms to cope with Cr(VI) toxicity in lettuce: can lettuce be used in Cr phytoremediation?. *Environmental Science and Pollution Research*, 23(15):15627-37. IF: 2.741; DOI: 10.1007/s11356-016-6735-9
14. Antunes SC, Castro BB, **Dias MC**, Moutinho-Pereira J, Correia CM, Claro MT, Gavina A, Santos C, Gonçalves F, Pinto G (2016) Phytotoxicity of natural soils using physiological and biochemical endpoints reveals confounding factors: can a weight of evidence tackle uncertainty?. *Journal Of Soils And Sediments* 16: 785-800. IF: 2.522; DOI: 10.1007/s11368-015-1306-0
15. Vasques AR, Pinto G, **Dias MC**, Correia CM, Moutinho-Pereira JM, Vallejo VR, Santos C, Keizer JJ (2016) Physiological response to drought in seedlings of *Pistacia lentiscus* (mastic tree). *New Forest* 47: 119-130. IF: 1.536; DOI: 10.1007/s11056-015-9497-1
16. Rodriguez E, Santos MC, Azevedo R, Correia C, Moutinho-Pereira J, Oliveira JMPF, **Dias MC** (2015) Photosynthesis light-independent reactions are sensitive biomarkers to monitor lead phytotoxicity in a Pb-tolerant *Pisum sativum* cultivar. *Environmental Science and Pollution Research*, 22: 574-585. IF: 2.828; DOI: 10.1007/s11356-014-3375-9
17. **Dias MC**, Correia C, Moutinho-Pereira J, Oliveira H, Santos C (2014) Study of the effects of foliar application of ABA during acclimatization. *Plant Cell, Tissue and Organ Culture*, 117: 213-224. IF: 2.125; DOI: 10.1007/s11240-014-0434-3
18. **Dias MC**, Azevedo C, Costa M, Pinto G, Santos C (2014) *Melia azedarach* plants show tolerance properties to water shortage treatment: An ecophysiological study. *Plant Physiology and Biochemistry*, 75: 123-127. IF: 2.756; DOI: 10.1016/j.plaphy.2013.12.014

19. **Dias MC**, Oliveira H, Costa A, Santos C (2014) Improving elms performance under drought stress: The pretreatment with abscisic acid. *Environmental and Experimental Botany*, 100: 64-73. IF: 3.359; DOI: 10.1016/j.envexpbot.2013.12.013
20. Pereira S, Figueiredo P, Barros A, **Dias MC**, Santos C, Duarte IF, Gil AM (2014) Changes in the metabolome of lettuce leaves due to exposure to mancozeb pesticide. *Food Chemistry*, 154: 291-298. IF: 3.391; DOI: 10.1016/j.foodchem.2014.01.019
21. **Dias MC**, Figueiredo P, Duarte IF, Gil AM, Santos C (2014) Different responses of young and expanded lettuce leaves to fungicide Mancozeb: chlorophyll fluorescence, lipid peroxidation, pigments and proline content. *Photosynthetica*, 52: 148-151. IF: 1.409; DOI: 10.1007/s11099-014-0016-y
22. Correia B, Pinto-Marijuan M, Neves L, Brossa R, **Dias MC**, Costa A, Castro BB, Araujo C, Santos C, Chaves MM, Pinto G (2014) Water stress and recovery in the performance of two *Eucalyptus globulus* clones: physiological and biochemical profiles. *Physiologia Plantarum*, 150: 580-592. IF: 3.138; DOI: 10.1111/pp1.12110
23. **Dias MC**, Pinto G, Correia C, Moutinho-Pereira J, Silva S, Santos C (2013) Photosynthetic parameters of *Ulmus minor* plantlets affected by irradiance during acclimatization. *Biologia Plantarum*, 57: 33-40. IF: 1.740; DOI: 10.1007/s10535-012-0234-8
24. **Dias MC**, Monteiro C, Moutinho-Pereira J, Correia C, Gonçalves B, Santos C (2013) Cadmium toxicity affects photosynthesis and plant growth at different levels. *Acta Physiologiae Plantarum*, 35: 1281-1289. IF:1.524 DOI: 10.1007/s11738-012-1167-8
25. Correia B, Valledor L, Meijón M, Rodriguez JL, **Dias MC**, Santos C, Cañal MJ, Rodriguez R, Pinto G (2013) Is the interplay between epigenetic markers related to the acclimation of cork oak plants to high temperatures?. *PLoS ONE*. 8, 1, e53543. IF: 3.534; DOI: 10.1371/journal.pone.0053543.
26. **Dias MC**, Pinto G, Guerra C, Jesus C, Amaral J, Santos C (2013) Effect of irradiance during acclimatization on content of proline and phytohormones in micropropagated *Ulmus minor*. *Biologia Plantarum*, 57: 769-772. IF: 1.740; DOI: 10.1007/s10535-013-0341-1
27. Silva S, Pinto G, **Dias MC**, Correia C, Moutinho- Pereira J, Pinto Carnide O, Santos C (2012) Aluminium long-term stress differently affects photosynthesis in rye genotypes. *Plant Physiology and Biochemistry*, 54: 105-112. IF:2.755; DOI: 10.1016/j.plaphy.2012.02.004
28. Rodriguez E, Santos C, Azevedo R, Moutinho-Pereira J, Correia C, **Dias MC** (2012) Chromium (VI) induces toxicity at different photosynthetic levels in pea. *Plant Physiology and Biochemistry*, 53: 94-100. IF: 2.755; DOI: 10.1016/j.plaphy.2012.01.013
29. Monteiro C, Santos C, Pinho S, Oliveira H, Pedrosa T, **Dias MC** (2012) Cadmium-induced cyto- and genotoxicity are organ-dependent in lettuce. *Chemical Research in Toxicology*, 25: 1423-1434. IF: 3.667; DOI: 10.1021/tx300039t

30. Pinto G, Silva S, Loureiro J, Costa A, **Dias MC**, Araujo C, Neves L, Santos C (2011) Acclimatization of secondary somatic embryos derived plants of *Eucalyptus globulus* Labill.: an ultrastructural approach. *Trees-Structure and Function*, 25: 383-392. IF: DOI: 10.1007/s00468-010-0513-y
31. **Dias MC**, Pinto G, Santos C (2011) Acclimatization of micropropagated plantlets induces an antioxidative burst: a case study with *Ulmus minor* Mill. *Photosynthetica*, 49: 259-266. IF: 1.000; DOI: 10.1007/s11099-011-0028-9
32. **Dias MC**, Brüggemann W (2010) Limitations of photosynthesis in *Phaseolus vulgaris* under drought stress: Gas exchange, Chlorophyll fluorescence and Calvin cycle enzymes. *Photosynthetica*; 48: 96-102. IF:1.016; DOI: 10.1007/s11099-010-0013-8
33. **Dias MC**, Brüggemann W (2010) Water use efficiency in Flaveria species under drought stress conditions. *Photosynthetica*, 48: 469-473. IF 1.016: ; DOI: 10.1007/s11099-010-0061-0
34. **Dias MC**, Brüggemann W (2007) Differential inhibition of photosynthesis under drought stress in Flaveria species with different degrees of development of the C4 syndrome. *Photosynthetica*; 45: 75-84. DOI: 10.1007/s11099-007-0012-6
35. Correia MJ, Fonseca F, Azedo-Silva J, **Dias C**, David M, Barrote I, Osório ML, Osório J (2005) Effects of water deficit on the activity of nitrate reductase and contents of sugars, nitrate and free amino acids in the leaves and roots of sunflower and with lupin plants growing under two nutrient supply regimes. *Physiologia Plantarum*, 124: 61-70. DOI: 10.1111/j1399-3054.2005.00486.x
36. **Dias MC**, Almeida R, Romano A (2002) Rapid clonal multiplication of *Lavandula viridis* LHér through in vitro axillary shoot proliferation. *Plant Cell Tissue and Organ Culture*, 68: 99-102. DOI: 10.1023/A:1012963021126

Review article

1. **Dias MC** (2012) Phytotoxicity: An overview of the physiological responses of plants exposed to fungicides. *Journal of Botany*, article ID 135479, 4 pages. DOI: 10.1155/2012/135479

Books and book chapters

1. Araújo M, Santos C, **Dias MC** (2018) Can young olive plants overcome heat shock?. In: Filho WL, Alves F, Azeiteiro U (eds), *Theory and practice of climate adaptation*. Springer International Publishing. Pages 193-203. ISBN 978-3-319-72873-5; DOI: <https://doi.org/10.1007/978-3-319-72874-2>.

2. Marum L, Nunes S, Almeida T, Pereira VT, Farinha N, Dias MC, Santos C (2018) Cryopreservation of Hybrid *Pinus elliottii* × *P. caribaea*. In: Jain SM and Gupta P (eds), Step Wise Protocols for Somatic Embryogenesis of Important Woody Plants, Forestry Science Book Vol. 84, Springer, Cham, Pages 283-294. ISBN 978-3-319-89482-9; DOI: 10.1007/978-3-319-89483-6_21
3. Santos C, Monteiro M, **Dias MC** (2010) Cadmium Toxicity in Crops: A Review. Environmental Science, Engineering and Technology. Nova Science Publishers Inc. Pages 79. ISBN 9781617281693; EID: 2-s2.0-84892011688.
4. Santos C, Monteiro M, **Dias MC** (2010) Mechanisms of cadmium toxicity in crops: A review, In: Sampson NA (eds), Horticulture in the 21st century, Botanical Research and Practices Series. Nova Science Publishers, Inc. Pages 1-40. ISBN: 978-1-61209-257-7; EID: 2-s2.0-85030262554.
5. **Dias MC** (2005) The role of C3 and C4 metabolism for drought tolerance in the genus *Flaveria*. Shaker Verlag, GmbH, Germany. Pages 142. ISBN 978-3832246464; EID: 2-s2.0-19044394368.

PARTICIPATION IN CONFERENCES

Posters

1. Dias MC, Pinto DCGA, Silva AMS, Santos C (2018) Efeito de défice hídrico e temperatura elevada no perfil polifenólico da azeitona de variedades Portuguesas de oliveira. VIII Simpósio Nacional de Olivicultura, 7-9 June, Santarém, Portugal.
2. Araújo M, Pinto DCGA, Silva AMS, Santos C, Pereira JA, Dias MC (2018) Perfil em ácidos gordos de azeitonas da Cv. Cobrançosa sujeitas a défice hídrico extremo. VIII Simpósio Nacional de Olivicultura, 7-9 June, Santarém, Portugal.
3. Valente S, Pinto D, Silva A, Santos C, **Dias MC** (2017) Efeito de défice hídrico e temperatura elevada na performance fisiológica da oliveira e no perfil de metabolitos da azeitona. I Congresso Luso-Brasileiro de Horticultura (CLBHort 2017), 1-4 November, Lisbon, Portugal, Po74, p155.
4. **Dias MC**, Araújo M, Correia C, Moutinho-Pereira J, Silva AMA, Santos C (2015) How UVB radiation can affect light-dependent reactions of photosynthesis on *Olea europaea*? 16th Congress of the European Society for Photobiology, 31 August – 4 September, Aveiro, Portugal, P093, p149.
5. Fradinho AF, Coata M, Pinto D, Silva A, Santos C, **Dias MC** (2015) Effect of UVB radiation on metabolomic profile of *Moringa oleifera* Lam. leaves . 16th Congress of the European Society for Photobiology, 31 August – 4 September, Aveiro, Portugal, P092, p148.

6. Leal A, Vieira N, Reis F, Hardoim PR, Barros PM, Coelho AC, Tavares RM, Lino-Neto T, Lourenço T, Ramalho JC, **Dias MC**, Saibo N, Oliveira M (2014) Searching for cork oak genes involved in the cross-talk between different stresses - the O3FAD – omega 3 fatty acid desaturase. XVIII Congress of the Portuguese Biochemical Society - Plant-environment interactions – implications in development and adaptation, 17-20 December, Coimbra, Portugal.
7. Marum L, Almeida T, Correia S, Farinha N, Figueiredo J, Mano N, Nunes S, Sousa D, **Dias MC**, Oliveira M, Santos C, Pereira V (2014) Pine tree biotechnology for high value forestry. The 3th International Conference of the IUFRO, 9-12 September, Vitoria-Gasteiz, Spain, Pp 101-104. Oral presentation.
8. Escandón M, Meijón M, Pascual J, Valledor L, Correia B, **Dias MC**, Pinto G, Cañal MJ (2013) Response to heat stress in plants and embryogenic callus of *Pinus radiata* D. Don. XIII Congresso Luso-Espanhol de Fisiologia Vegetal, 24-27 July, Lisbon, Portugal, Po44, p371.
9. Pinto G, Correia B, **Dias MC**, Silva S, Santos C, Valledor L (2013) Effect of drought and re-watering on the metabolomic profile and antioxidant response of eucalyptus plants. 11th International Conference on Reactive Oxygen and Nitrogen Species in Plants. Journal of Biotechnology, computational biology and bionanotechnology, 92: 190, PO 5.62
10. **Dias M**, Jesus C, Pinto G, Santos C, Gonçalves B, Gonçalves D, Malheiro A, Correia C, Moutinho-Pereira J (2013) The role of kaolin and bordeaux mixture in *Vitis vinifera* under water stress conditions: oxidative stress. 11th International Conference on Reactive Oxygen and Nitrogen Species in Plants. Journal of Biotechnology, computational biology and bionanotechnology, 92: 170, PO 5.22
11. Correia B, Silva S, Jesus C, Valledor L, **Dias MC**, Costa A, Santos C., Pinto G (2013) Involvement of carbohydrates and antioxidant enzymes in the oxidative balance during drought and recovery : the eucalyptus case. 11th International Conference on Reactive Oxygen and Nitrogen Species in Plants. Journal of Biotechnology, computational biology and bionanotechnology, 92: 167, PO 5.15
12. Correia B, Valledor L, Renaut J, Meijón M, **Dias MC**, Santos C, Pinto G (2013) Ecophysiology project: linking ‘omics and ecophysiology in *Eucalyptus globulus*. 3rd FAO International Congress on Planted Forests: Vulnerability and Risk Management in Planted Forests, 16-18 May, Bordeaux, France.
13. Pereira S, Figueiredo P, **Dias MC**, Santos C, Duarte IF, Gil AM (2013) Metabolic response of lettuce to different growth conditions and exposure to pesticide Mancozeb assessed by 1H NMR Spectroscopy. Jornadas do CICECO - University of Aveiro, 18 April, Aveiro, Portugal.
14. Jesus C, Amaral J, **Dias MC**, Glória Pinto, Conceição Santos, Aureliano Malheiro, Carlos Correia, José Moutinho-Pereira (2012) Short-term climate change mitigation strategies for

- Mediterranean vineyards. 3rd MAP BioPlant Annual Workshop, 3-5 December, Aveiro, Portugal.
15. Correia B, Pintó-Marijuan M, Neves L, Araújo C, Jesus C, Ramos CFL, Carow K, Brossa R, **Dias MC**, Costa A, Silva S, Santos C, Chaves MM, Pinto G (2012) *Eucalyptus globulus* performance under drought conditions and after recovery. Plant Abiotic Stress Tolerance II Conference. February 22 - 25, Wien, Austria.
 16. **Dias MC**, Vale J, Picado JH, Moreira SM, Jesus C, Correia C, Neves L, Araujo C, Costa A, Santos C, Pinto G (2012). Does foliar application of salicylic acid alleviates drought stress effects in *Eucalyptus globulus*? XIX Congress of the Federation of European Society of Plant Biology (FESBP), 29 of July - 3 of August 2012, Freiburg, Germany., PO 2-021, pp311.
 17. **Dias MC**, Pinto G, Santos C (2011) Acclimatization of micropropagated *Ulmus minor* plantlets induces an up-regulation of the antioxidant system. 10th International Conference on Reactive Oxygen and Nitrogen Species in Plants, 5-8 July, Budapest, Hungary, PO 59, pp109.
 18. Abassi M, Paquete L, Liefoghe A, **Dias MC** (2011) Multiobjective Sequence Alignment: Formulation and Algorithmus. 19th International Conference on Intelligent Systems for Molecular Biology and 10th European Conference on Computational Biology (ISMB/ECCB), 15-19 July, Vienna, Austria.
 19. Pinto G, **Dias MC**, Silva S, Moutinho-Pereira J, Correia C, Correia B, Neves L, Araujo C, Costa A, Santos C (2011) Reactive Oxygen Species related end-points and high temperature stress in a short-term experience in *Eucalyptus globulus*. 10th International Conference on Reactive Oxygen and Nitrogen Species in Plants. 5-8 July, Budapest, Hungary, PO 85, pp149.
 20. Monteiro C, Oliveira H, Rodriguez E, Pedrosa T, Dias MC, Santos C (2011) Cadmium effects in lettuce: genotoxicity, protein oxidation, lipid peroxidation and cell cycle alterations. ICOEH - Workshop Biomarkers & Human Exposure to Nanoparticles. 17-19 October, Porto, Portugal. Po28, p127.
 21. Monteiro C, Oliveira H, Pinto T, **Dias MC**, Santos C (2011) Assessment of cadmium genotoxicity, protein oxidation and lipid peroxidation in lettuce. EUROTOX - The 47th Congress of the European Societies of Toxicology. 28-31 August, Paris, France. Po1019, p566.
 22. Monteiro C, Oliveira H, Rodriguez E, Pinto T, **Dias MC**, Santos C (2011) Endpoints of cadmium cytotoxicity, genotoxicity and clastogenicity in lettuce (*Lactuca sativa* L.). 1st Annual BioPlant Workshop, 18-19 April, Braga, Portugal.
 23. Antunes SC, Claro MT, Moutinho-Pereira J, Correia C, Gavina AC, Santos C, Gonçalves F, **Dias MC**, Pinto G (2011) Linking ROS-related markers and plant fitness to evaluate growth potential of maize in natural soils and standard soils. 10th International Conference on Reactive Oxygen and Nitrogen Species in Plants. 5-8 July, Budapest, Hungary, PO56, pp106.
 24. Gavina A, Pereira R, Pinto G, **Dias MC**, Claro MT, Gonçalves F, Antunes S (2011) Plant assays in the Risk Assessment of the Ervedosa Mine (Portugal). International Conference on

- Occupational and Environmental Health (ICOEH), 17-19 October, Oporto, Portugal, Po7, pag. 106.
25. Pinto G, Silva S, **Dias MC**, Costa A, Correia B, Branco J, Gonçalves P, Correia C, Moutinho-Pereira J, Macedo B, Santos C (2010) Impact of high temperature on photosynthesis, carbon metabolism and lipid peroxidation of Cork Oak plants. The 24th IUFRO, Conference for Specialists in Air Pollution and Climate Change Effects on Forest Ecosystems - Adaptation of Forest Ecosystems to Air Pollution and Climate Change, 22-26 March, Antalya, Turkey.
 26. Monteiro MC, Guerra C, Vieira CL, Pinto G, Silva S, Rodriguez E, **Dias MC** (2010) Classical and cytometric evaluation of cytotoxic effects of Cadmium in *Lactuca sativa*. 20th European Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), 23-27 May, Sevilla, Spain.
 27. Pinto G, Silva S, **Dias MC**, Costa A, Correia B, Branco J, Gonçalves P, Correia C, Moutinho J, Macedo B, Santos C (2010) Analysing the impact of high temperature in ecophysiological parameters of two *Eucalyptus globulus* clones. XVIII Congress of the Federation of European Societies of Plant Biology (FESBP), 3-9 July, Valencia, Spain. PO 14-012, pp177.
 28. **Dias MC**, Pinto G, Correia CM, Moutinho-Pereira J, Guerra CC, Monteiro C, Santos C (2010) Effects of light intensity on photosynthesis during acclimatization of *U. minor*. XVIII Congress of the Federation of European Societies of Plant Biology (FESBP) , 3-9 July, Valencia, Spain, PO 08-007, pp 127.
 29. Pinto G, Correia B, **Dias MC**, Costa A, Santos C, Rodriguez JL, Meijón M, Valledor L (2010) Ecophysiological and epigenetic responses to climate changes of the most economical important Portuguese forest trees: an integrative toolbox. II Seminário Ibérico IGBP – Mudança Global, 4 - 5 November, Lisbon, Portugal.
 30. **Dias MC** (2010) Plant physiological performance studies. 1st Workshop Annual BioPlant, 29-30 March, Porto, Portugal.
 31. Monteiro C, **Dias MC**, Rodriguez E, Santos C (2010) Chromium (VI) toxicity in crops: comparative endpoints for oxidative stress and genotoxicity. 1st Workshop Annual BioPlant, 29-30 March, Porto, Portugal.
 32. Vasques A, Maia P, Fernandes I, Pinto G, **Dias MC**, Costa A, Santos C, Vallejo V, Keizer J (2010) Assessment of plant species suitability for seeding on degraded soils, development of assessment protocol using *Cistus ladanifer* as case study. 1st Workshop Annual BioPlant, 29-30 March, Porto, Portugal.
 33. **Dias MC**, Brüggemann W (2003) Differential physiological effects of drought stress in *Flaveria* species with different photosynthesis pathway. The 16th International Symposium of Biodiversity and Evolutionary Biology, 21-27 September, Frankfurt am Main, Germany, Poster presentation, pp141

34. Almeida R, **Dias MC**, Romano A (1999) Enraizamento e aclimatização de rebentos adventícios de *Lavandula viridis* L'Hér. Primeiro Congresso de Plantas Aromáticas e Medicinais dos Países de Língua Oficial Portuguesa, Ansião, Portugal, PO 439, pp66

Oral presentations

1. Prada J, Araújo M, Sario S, Mariz-Ponte N, Santos C, Pereira J, **Dias MC** (2018) "Drought stress impact on the oxidative status of 'Cobrançosa' adult trees: how this olive cultivar copes with climate change". Encontro de Investigação Jovem - University of Porto, 7-9 February, Porto, Portugal, Ref: 14154.
2. Araújo M, Santos C, **Dias MC** (2017) Can young olive plants overcome heat shock?. 2nd World Symposium on Climate Change Adaptation, 6-8 September, Coimbra, Portugal.
3. Machado F, Araujo M, Costa M, Pinto D, Silva A, Santos C, **Dias MC** (2015) Effects of drought stress and UVB radiation on metabolic profile of Drumstick. IV Encontro nacional de pós-graduação - University of Aveiro, 30 March - 2 April, Aveiro, Portugal.
4. Araujo M, Costa M, Santos C, **Dias MC** (2015) Photosynthetic and oxidative disorders in *Moringa oleifera* leaves exposed to climate change: UVB and drought stress. IV Encontro nacional de pós-graduação - University of Aveiro, 30 March - 2 April, Aveiro, Portugal.
5. Costa M, **Dias MC**, Conceição C (2015) A resposta de *Adenanthera pavonina* às alterações climáticas: contributo para a valorização desta espécie em zonas degradadas da República Democrática de Timor-Leste. IV Encontro nacional de pós-graduação - University of Aveiro, 30 March – 2 April, Aveiro, Portugal.
6. Leal A, Vieira N, Reis F, Hardoim PR, Barros PM, Coelho AC, Tavares RM, Lino-Neto T, Lourenço T, Ramalho JC, **Dias MC**, Saibo N, Oliveira M (2014) Searching for cork oak genes involved in the cross-talk between different stresses - the O3FAD – omega 3 fatty acid desaturase. XVIII Congress of the Portuguese Biochemical Society -Plant-environment interactions – implications in development and adaptation, 17-20 December, Coimbra, Portugal,
7. Marum L, Almeida T, Correia S, Farinha N, Figueiredo J, Mano N, Nunes S, Sousa D, **Dias MC**, Oliveira M, Santos C, Pereira V (2014) Pine tree biotechnology for high value forestry. International Conference of the IUFRO, 9-12 September, Vitoria-Gasteiz, Spain.
8. Costa M, Pinto G, **Dias MC**, Santos C (2013) Recursos florestais em Timor-Leste: estudos fisiológicos de uma espécie vegetal com interesse ambiental e medicinal. International Conference East-Timor and its Region: a transdisciplinary view, 19-20 July, Aveiro, Portugal.
9. **Dias MC**, Pinto G, Santos C (2012) ABA pre-treatment reduced the negative impact of water stress in *Ulmus minor* Mill. 3rd MAP BioPlant Annual Workshop - University of Aveiro, 3-5 December, Aveiro, Portugal.

10. Nunes S, Sousa D, **Dias MC**, Oliveira JM, Pinto G, Pereira V, Correia S, Santos C (2012) Characterization, micropropagation and preservation of selected Pinus genotypes. 3rd MAP BioPlant Annual Workshop - University of Aveiro, 3-5 December, Aveiro, Portugal.
11. Sousa D, Nunes S, Oliveira JM, **Dias MC**, Pinto G, Pereira V, Correia S, Santos C (2012) Genetic characterization of Pinus genotypes with high oleoresin production: molecular and functional studies. 3rd MAP BioPlant Annual Workshop - University of Aveiro, 3-5 December, Aveiro, Portugal.
12. Correia B, Pintó-Marijuan M, Neves L, Dias MC, Brossa R, Araujo C, Costa A, Chaves MM, Santos C and Pinto G (2012) Responses during water stress and recovery in two Eucalyptus clones: Physiological profiles. 3rd MAP BioPlant Annual Workshop - University of Aveiro, 3-5 December, Aveiro, Portugal.
13. Monteiro C, Santos C, Pinho S, Oliveira H, Pedrosa T, **Dias MC** (2012) Cadmium-induced cyto- and genotoxicity in lettuce. 3rd MAP BioPlant Annual Workshop – University of Aveiro, 3-5 December, Aveiro, Portugal.
14. Jesus C, Correia B, Araujo C, Louro M, Majada J, **Dias MC**, Santos C, Neves L, Pinto G (2012) Influence of nursery propagation strategies on *Eucalyptus globulus* plant stock quality: Physiological and morphological indicators. 2nd ISHS Symposium on Woody Ornamentals of the Temperate Zone, 1 - 4 July, Ghent, Belgium.
15. **Dias MC** (2011) Photosynthetic efficiency analysis in plants exposed to abiotic stresses. Advanced Workshop Studies in Biology and Applied Sciences & Workshop in Advanced Techniques of the BioPlant Doctoral Programme "Optical techniques for the in vivo study of photosynthesis" - University of Aveiro, 7-16 July, Aveiro, Portugal.
16. **Dias MC** (2010) Plant physiological performance studies. 1st Workshop Annual BioPlant, 29-30 March, Porto, Portugal.
17. Pinto G, Silva S, **Dias MC**, Costa A, Correia B, Branco J, Gonçalves P, Correia C, Moutinho-Pereira J, Macedo B, Santos C (2010) Impact of high temperature on photosynthesis, carbon metabolism and lipid peroxidation of Cork Oak plants. The 24th IUFRO, Conference for Specialists in Air Pollution and Climate Change Effects on Forest Ecosystems - Adaptation of Forest Ecosystems to Air Pollution and Climate Change, 22-26 March, Antalya, Turkey.
18. **Dias MC**, Brüggemann B (2003). A study on the effects of drought stress in Flaveria species. Photosynthesis Workshop, Johannes Gutenberg – Mainz University, 3 October, Mainz, Germany.
19. Fonseca F, Azedo-Silva JM, **Dias MC**, Correia MJ (2002). The effects of water deficit on nitrate reductase in sunflowers and white lupin. VI Symposium Hispano Portugues de Relaciones Hidricas en las Plantas, 18-20 October, Navarra, Spain.

EXPERIENCE AS SUPERVISION

PhD students

- 2018 - on going: Márcia Filipa Lima Araújo; Thesis title "OliveOmics - Understanding the influence of climate change on olive fruit development and olive oil: an omics' approach" (FCT grant holder with the reference SFRH/BD/116801/2016); Supervisor: Dr. Maria Celeste Dias (UniCoimbra - Life Science Dep.); co-supervisors: Prof. Conceição Santos (University of Porto Biology - Dep. of Biology) and Prof. José Alberto Pereira (Instituto Politécnico de Bragança).
- 2012 - 2016: Sandra Sofia Cachulo Nunes; Thesis title "Valorisation, breeding and preservation of Pinus genotypes - Clonning". Main supervisor: Prof. Conceição Santos (UniAveiro - Biology Dep.); co-supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.) and Dr. Liliana Marum (Klon, Cantanhede).
- 2011 - 2015: Maria Costa; Thesis title "Selection drought tolerant plant species for reforestation programs of East-Timor". Main supervisor: Prof. Conceição Santos (UniAveiro - Biology Dep.); co-supervisor: Dr. Maria Celeste Dias (UniAveiro - Biology Dep.).

Master students

- 2017 - 2018: Catarina Siopa; Thesis title "The role of genome duplication in the genesis of diversity: Does polyploidization drives novel traits in neotetraploid lineages of *Jasione maritima*". Main supervisor: Dr. Silvia Castro (UniCoimbra - Life Science Dep.); co-supervisor: Dr. Maria Celeste Dias (UniCoimbra - Life Science Dep.).
- 2016 - 2017: Catarina Figueiredo; Thesis title "Efeito de vários stresses abióticos no metaboloma da folha de oliveira (*Olea europaea* L.)". Main supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.); co-supervisor: Prof. Artur Silva (UniAveiro - Chemistry Dep.).
- 2014 - 2015: Ana Filipa Machado Fradinho; Thesis title "The effects of UVB radiation on metabolite profile of *Moringa oleifera*". Main supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.); co-supervisor: Prof. Conceição Santos (UniAveiro - Biology Dep.).
- 2014 - 2015: Marcia Araujo; Thesis title "The effects of UVB radiation on *Moringa oleifera* performance: photosynthesis and oxidative stress". Main supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.); co-supervisor: Prof. Conceição Santos (UniAveiro - Biology Dep.).
- 2012 - 2013 - Carla Patrícia da Silva Azevedo; Thesis title "Water deficit effect on antioxidant capacity of *Melia azedarach*". Main supervisor: Dr. Maria Celeste Dias (UniAveiro - Biology

Dep.); co-supervisors: Prof. Conceição Santos (UniAveiro - Biology Dep.) and Dr. Glória Pinto (UniAveiro - Biology Dep.).

- 2012 - 2013 - Ana Raquel Costa Almeida; Thesis title "Indução de embriogénese somática em *Pinus elliotii* e num híbrido". Main supervisor: Dr. Glória Pinto (UniAveiro - Biology Dep.); co-supervisors: Prof. Conceição Santos (UniAveiro - Biology Dep.) and Dr. Maria Celeste Dias (UniAveiro - Biology Dep.).
- 2010 - 2011: Patrícia Isabel Duarte de Figueiredo; Thesis title "Changes in the metabolome of Lettuce (*Lactuca sativa* L.) as a result of exposure to stress through the action of pesticides". Main supervisor: Prof. Ana Gil (UniAveiro - Chemistry Dep.); co-supervisor: Dr. Maria Celeste Dias (UniAveiro - Biology Dep.).

Post-graduation students

- 2017 - 2018 - Inês Paula Ribau Vaz; Project title: " Tema: Efeito das alterações climáticas no perfil polifenólico da azeitona". Supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.); co-supervisor: Prof. Diana Pinto (UniAveiro - Chemistry Dep.).
- 2017 - 2018 – Ana Isabel Oliveira Campos, Project title: “Perfil polifenólico de plantas medicinais usadas em Timor Leste sujeitas a alterações climáticas”. Supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.); co-supervisor: Prof. Diana Pinto (UniAveiro - Chemistry Dep.).
- 2017 - 2018 - João Emanuel da Costa Prada; Project title: “Drought stress impact on the oxidative status of “Cobrançosa” adult trees: irrigated regime vs dry farming regime”. Supervisor: Prof. Conceição Santos (University of Porto - Biology Dep.); co-supervisor: Dr. Maria Celeste Dias (UniCoimbra - Life Science Dep.).
- 2016 - 2017 - Beatriz Sousa Melo Machado; Project title: "Efeito da seca e do calor no perfil polifenólico da azeitona". Supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.); co-supervisor: Prof. Diana Pinto (UniAveiro - Chemistry Dep.).
- 2016 - 2017 – Simão Pedro Oliveira Valente; Project title: "Efeito das alterações climáticas no metaboloma da azeitona". Supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.); co-supervisor: Prof. Diana Pinto (UniAveiro - Chemistry Dep.).
- 2015 - 2016 - Bryan Completo Santos; Project title: "Avaliação do conteúdo fenólico de *Melia azedarach* e *Adenantha pavonina*". Supervisor: Prof. Diana Pinto (UniAveiro - Chemistry Dep.); co-supervisor: Dr. Maria Celeste Dias (UniAveiro - Chemistry Dep. and UniCoimbra - Life Science Dep.).

- 2013 - 2014 – Joana Bento Rodrigues Manso; Project title: "Efeito do aumento da temperatura e déficit hídrico na performance fisiologica de *Pinus elliottii* var *elliottii* x *Pinus caribaea* var *hondurensis*. Supervisor: Dr. Maria Celeste Dias (UniAveiro - Biology Dep.); co-supervisors: Prof. Conceição Santos (UniAveiro - Biology Dep.) and Dr. Vanessa Pereira (Klon, Cantanhede);
- 2012 - 2013 - Helder Duarte Berenguer; Project title: "Técnicas in vitro de melhoramento de Pinus". Supervisor: Dr. Glória Pinto (UniAveiro - Biology Dep.); co-supervisors: Dr. Maria Celeste Pereira Dias (Biology Dep. UA) and Prof. Conceição Santos (UniAveiro - Biology Dep.).
- 2011 - 2012 - João Henrique Picado Santos; Project title: "Does foliar application of proline alleviates drought stress effects in *Eucalyptus globulus*?". Supervisor: Dr. Glória Pinto (UniAveiro - Biology Dep.); co-supervisors: Dr. Maria Celeste Pereira Dias (Biology Dep. UA) and Prof. Conceição Santos (UniAveiro - Biology Dep.).
- 2011 - 2012 - Joana Nunes do Vale; Project title: "Aplicação de ácido salicílico como estratégia para melhorar a resistência do *Eucalyptus globulus* ao stress causado por deficit hídrico". Supervisor: Dr. Glória Pinto (UniAveiro - Biology Dep.); co-supervisors: Dr. Maria Celeste Pereira Dias (Biology Dep. UA) and Prof. Conceição Santos (UniAveiro - Biology Dep.).
- 2011 - 2012 - Silvia Alexandra Monteiro Moreira; Project title: "Strategies to improve forest plants to drought stress by exogenous application of glycine betaine". Supervisor: Dr. Glória Pinto (UniAveiro - Biology Dep.); co-supervisor: Dr. Maria Celeste Pereira Dias (Biology Dep. UA).
- 2011 - 2012 - Carla Joana Barbas Cidade; Project title: "Efeitos cito- e genotóxicos do chumbo em *Pisum sativum*: selecção de biomarcadores". Supervisor: Dr. Maria Celeste Pereira Dias (Biology Dep. UA); co-supervisor: Prof. Conceição Santos (UniAveiro - Biology Dep.).
- 2002 - 2005 – Co-supervision of six students of Biology degree during their last year course in "Specialized Methods of Plant Physiology" at the "Botanische Institut - Johann Wolfgang Goethe Universität", Frankfurt am Main, Germany.

Supervision of research project grant holders

- 2012 - 2013 - Joana Amaral was a grant holder at the SuberStress project – "An integrated approach to identify stress-related regulatory genes in cork oak" funded by FCT (PTDC/AGR-GPL/118505/2010). Supervisor: Dr. Maria Celeste Dias (UniAveiro - Biology Dep.).
- 2012-2013 - Claudia de Jesus was a grant holder at the ClimVineSafe project – "Short-term climate change mitigation strategies for Mediterranean" funded by FCT (PTDC/AGR-ALI/110877/2009). Supervisor: Dr. Maria Celeste Dias (UniAveiro - Biology Dep.).

Supervision of ERASMUS students

- 2010 - Denissa Melinte, Erasmus student from the Vasile Alecsandri University Bacau, Romania; Project title: “Micropropagation and acclimatization of Elm trees”. Supervisors: Dr. Maria Celeste Pereira Dias (Biology Dep. UA) and Prof. Conceição Santos (UniAveiro - Biology Dep.).

TEACHING EXPERIENCE

- 2013 - 2014: “Molecular and cellular biology”, practical courses in MSc in Biology, University of Aveiro, Dep. of Biology.
- 2012 - 2013: “Markers of toxicology in plant cells and toxicity of phytochemicals”, advanced course in MAPBiolplant - PhD program, University of Aveiro (2^a edition), Dep. of Biology.
- 2011 - 2012: “Optical techniques for the *in vivo* study of photosynthesis”, advanced course in MAPBiolplant - PhD program, University of Aveiro, Dep. of Biology.
- 2011-2012: “Markers of toxicology in plant cells and toxicity of phytochemicals”, advanced courses in MAPBiolplant - PhD program, University of Aveiro (1^a edition), Dep. of Biology.
- 2002 to 2005: Tutor of practical courses in the Biology degree at the “Botanische Institut” - Goethe University Frankfurt, Frankfurt am Main, Germany:
 - 2003, 2004, 2005 1st semester: Physiology and Plant Biochemistry (“Physiologie und Biochemie der Pflanzen”);
 - 2002 and 2003, 2nd semester: Plant Ecology (“Großpraktikum Ökologie”)
 - 2003 and 2004, 2nd semester: Plant Physiology - Gas exchange Section (“Pflanzenphysiologischer Kurs: Teil Stoffwechsel”);
 - 2004, 2nd semester: Plant Evolution and Ecology (“Großpraktikum Evolution und Ökologie der Pflanzen”);

PARTICIPATION IN ACADEMIC JURIES

For PhD defences

- 2017/09/11: Examiner of the viva of Diana Marta Nogueira Gonçalves for PhD in “Ciências da Terra e da Vida” under the theme “Biologia das culturas mediterrânicas num contexto de alterações climáticas: estudo de caso em *Vitis vinifera* L.”. University of Trás-os-Montes and Alto Douro.
- 2016/11/16: Examiner of the viva of Maria Cristina Monteiro for PhD in Biology under the theme “Citogenotoxicidade do cromo e cádmio em plantas e em células humanas”, University of Aveiro.

- 2014/03/19: Examiner of the viva of Helder José Chaves Fraga for PhD in Agronomic science and forest under the theme “Viticultural zoning in Europe: Climate scenarios and adaptations measures”, University of Trás-os-Montes and Alto Douro.
- 2011/12/16: Examiner of the viva of Eleazar José Rodriguez Gomes for PhD in Biology under the theme “Genotoxicity and cytotoxicity of Cr(VI) and Pb²⁺ in *Pisum sativum*”, University of Aveiro.

For Master defences

- 2017/11/28: Examiner of the viva of Bruna Sofia Varzim Ramos for MsC in Functional Biology and Plant Biotechnology under the theme “Bioactivity evaluation of TiSiO₄ nanoparticles in *Latuca sativa*”, University of Porto, Portugal.
- 2012/12/07: Examiner of the viva of Barbara dos Santos Correia for MsC in Biology under the theme “Water stress and recovery in Eucalyptus: Physiological profiles”, University of Aveiro, Portugal.

REVIEWER OF I&D PROJECTS

- 2016: Reviewer of R&D projects from the National Science Centre (Narodowe Centrum Nauki, Kraków, Poland. Evaluation n^o511410 of the proposal n^o 2016/21/B/NZ9/00813).
- 2018: Reviewer of R&D projects from the National Science Centre (Narodowe Centrum Nauki, Kraków, Poland. Evaluation n^o 688446 of the proposal n^o 2017/27/L/NZ9/03241).

PEER REVIEW OF INTERNATIONAL SCIENTIFIC JOURNALS

- 2010/06/21 - Journal of Experimental Botany, contacted by the editorial assistant Jane Basterfield;
- 2011/04/20 - Photosynthetica, contacted by the associate editor Jan Nauš;
- 2012/02/12 - Plant Science, contacted by the editor Eduardo Blumwald;
- 2012/02/22 - Photosynthetica, contacted by the associate editor Xuejun Dong;
- 2012/02/24 - Journal of Botany, contacted by the guest editor Helena Oliveira;
- 2013/02/14 - Photosynthetica, contacted by the associate editor Tibor Janda;
- 2013/04/02 - Acta Physiologiae Plantarum, contacted by the associate editor Sylvie Renault;
- 2013/08/10 - Annual Review and Research in Biology, contacted by Rubi Das from the editorial office;
- 2013/11/15 - Biologia Plantarum, contacted by the associate editor Jana Pospíšilová;
- 2014/01/08 - Photosynthetica, contacted by the associate editor Dušan Lazár;

- 2014/03/05 - PLoS ONE, contacted by the academic editor Wagner Araujo;
- 2014/04/04 - Scientia Horticulturae, contacted by the editor Dietmar Schwarz;
- 2014/06/22 - Ecotoxicology and Environmental Safety, contacted by the associate editor Herbert Allen;
- 2014/09/12 - Photosynthetica, contacted by the associate editor Tibor Janda;
- 2015/01/12 - Ecotoxicology and Environmental Safety contacted by the associate editor Paul K Sibley;
- 2015/03/01 - Environmental and Experimental Botany, contacted by the editor-in-chef Kari Taulavuori;
- 2015/05/07 - Photochemical and Photobiological Science, contacted by the associate editor Choon-Hwan Lee;
- 2015/05/14 - BMC Plant Biology, contacted by the associate editor Doug van Hoewyk;
- 2015/11/10 - Photosynthetica, contacted by the associate editor Dušan Lazár;
- 2015/12 - Pesticide Biochemistry and Physiology, contacted by the editor John Marshall Clark;
- 2016/08 - Science of the Total Environment, contacted by the associate editor Elena Paoletti;
- 2016/10/10 - Journal of the Science of Food, contacted by the associate editor Helena Costa;
- 2016/02 - Archives of Agronomy and Soil Science;
- 2018/01/09 - Environmental and Experimental Botany, contacted by the editor-in-chef Sergi Munne-Bosch;
- 2018/04/08 - Environmental and Experimental Botany, contacted by the associate editor Filippo Bussotti;
- 2018/05/07 - Plant Physiology and Biochemistry, contacted by the associate editor Marcel Jansen;
- 2018/06/09 - Environmental and Experimental Botany, contacted by the associate editor Filippo Bussotti.

SCIENCE COMMUNICATION ACTIONS

- 2017/10: Participation in the program "Todas as plantas têm nome" promoted by the Botanical Garden of the University of Coimbra with the theme "Qual a origem da oliveira".
- 2017/02/15: Participation in "Dia da Investigação no DCV UC", representing the Center for Functional Ecology. Participation in the divulgation action: "How to measure photosynthesis in plants?". Department of Life Science, University of Coimbra, Coimbra, Portugal.
- 2017/02/24: Participation in "Mostra de Ciência 2017", organized by the Faculty of Science of the University of Coimbra, Portugal. Participation in the divulgation action: "Fotossíntese de plantas em stress hídrico". Alma Shopping, Coimbra, Portugal.

PARTICIPATION IN NATIONAL PROJECTS

As coordinator at the University of Aveiro

- 2012 - 2015: "SuberStress - An integrated approach to identify stress-related regulatory genes in cork oak", funded by FCT with the reference PTDC/AGR-GPL/118505/2010. Members: ITQB-University of Lisbon (proponent institute), University of Aveiro, IICT- Lisbon, University of Algarve, University of Minho.
- 2011 - 2014: "ClimVineSafe-Short-term climate change mitigation strategies for Mediterranean vineyards", funded by FCT with the reference PTDC/AGR-ALI/110877/2009. Members: University of Trás-os-Montes and Alto Douro (proponent institute), University of Aveiro and Associação para o Desenvolvimento da Viticultura Duriense.

As team member

- 2014 - 2015: "EXPLOCHAR: Exploring mechanisms of reducing drought and disease stress in eucalypt seedlings by applying biochar to soils", funded by FCT with the reference EXPL/AGR-FOR/0549/2013. Proponent institute: University of Aveiro.
- 2012 - 2014: Project R&D funded by Quadro Referência Estratégico Nacional - QREN (Portugal 2007-2013) between the University of Aveiro and a private company Klon (Inovative Technologies From Cloning, SA, Cantanhede). Title of the project: "Valorização, melhoramento e conservação de génotipos de 3 espécies de Pinus e 2 híbridos", KLON, Inovative Technologies From Cloning, SA, Cantanhede.
- 2011 - 2013: "BIO.REM-Integrating multiple toxicological BIOMarkers in a phytoREMediation assay of Pb and Cd contaminated sites" funded by FCT with the reference PTDC/AAC-AMB/112804/2009. Members: University of Aveiro (proponent institute) and University of Trás-os-Montes and Alto Douro.

- 2011 - 2013: "Ecophysiology - Physiological and gene expression profiles for early selection of *Eucalyptus globulus* in a climate change context" funded by FCT with the reference PTDC/AGR-CFL/112996/2009. Members: University of Aveiro (proponent institute), University of Oviedo (Spain) and Centre de Recherche Public - Gabriel Lippmann (Luxembourg).