

Curriculum vitae

1. Personal data

Full name: Maria Amely Zavattieri

Birth place: San Rafael, Mendoza, Argentine

Date of birth: 11/15/1955

Nationality: Argentine and Portuguese

Documents:

Tax Identification Number Portugal (TIN): 181 943 956

Portuguese Identification Document (ID) 12072809

Portuguese Passport N°H464083

Argentine ID document: 11.865.908

CUIL Argentine: 27-11.865.908-8

Argentine Passport N° 7.748.853

International Driving Licence N° 718987 (Automóvel Club Portugal)



Sex: Feminine

Marital status: Divorce

Daughters: Vera Zavattieri Potes (29) Lawyer, working in Lisbon, Portugal

Ana Zavattieri Potes (24) Student of Veterinary Medicine at the University of Rio Cuarto, Córdoba, Argentine

Son: Nuno Zavattieri Potes (28) Student of European Master in Marine Biology and Biodiversity; Ghent University; Belgium

1.1 Institutional Address

University of Évora (<http://www.uevora.pt/>)

Largo dos Colegiais 2; 7002-554 Évora; Portugal

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The University of Évora, the second oldest in Portugal, and the third in the Iberian Peninsula, was founded in the 16th century (1559) by Cardinal Infante Dom Henrique (the future king of Portugal), and by the Pope Paul IV, and it was delivered to the Society of Jesus. The Jesuit College (*Colégio do Espírito Santo*) in Évora operated between 1559 and 1759. In this year and as a consequence of the Jesuit expulsion promoted by the Minister of the Kingdom Marquis of Pombal, it was closed. The *Colégio do Espírito Santo* became famed as a centre of learning and rivaled the University of Coimbra. Among its eminent theologians and philosophers were Luis de Molina (1535-1600), Pedro de Fonseca (1528-1599), St. Francisco de Borja, St. João de Brito, Manuel Álvares. Several prelates of the Portuguese Empire were trained at this university: D. Afonso Mendes, Patriarch of Abyssinia, and D. Pedro Martins, first bishop of Japan. The classrooms are decorated with appropriate *azulejos* (ceramic tiles) such as "Plato teaching his followers" and Aristotle teaching Alexander the Great". The University of Évora resumed work in 1973 as a state-run university. The diplomas are granted in the 18th century Baroque chapel (*Sala dos Actos*) (restored in 1973), that dominates the Tuscan-arched Renaissance cloister.

1.2 Personal Address

Rua da estação nº 17, Caixa Postal 26

7040-303 Vale do Pereiro, Arraiolos, Portugal

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2. Education/Scientific Qualifications

2.1 Academic Degrees

Degree: **PhD**; Rating: Approved with Distinction and Praise (Distinção e Louvor)

Institution that granted the degree: University of Évora

Dissertation Advisor: Dr. Pierre Dutuit, University of Paris Sud - Orsay (France);

Co-Advisor: Prof. Luis Gazarini University of Évora, Portugal.

Thesis title: Calcium ion affinity of *Lycopersicon esculentum* (Mill) cultivars

Scientific field: Biotechnology (Selection and Breeding)

Year: 1998

Degree: Equivalence to **MASTER degree**; Rating: Approved with Excellence

Institution that granted the degree: University of Évora

Thesis title: Foliage temperature. Remote sensing in water deficit studies

Scientific field: Plant Eco-Physiology

Year: 1988

Degree: **Agronomy ENGINEER**

Rating: 14

Institution that granted the degree: Technical University of Lisbon

Faculty: Institute of Agronomy

Thesis title: Obtained the equivalence to Agronomy Engineer by Portuguese Universities

Year: 1984

Degree: **BACHELOR**

Rating: 6.7 scale values in 10

Institution that granted the degree: Commerce National School, Cordoba, Argentina

Year: 1980

2.1 Previous and current scientific and/or professional activities

1980 Training-Teaching Student in Phytopathology; School of Agronomy and Veterinary Medicine, University of Rio Cuarto, Cordoba, Argentine

1980-1983 Training-Teaching; School of Agronomy and Veterinary Medicine, University of Rio Cuarto, Cordoba, Argentine

1984-1988 Training Assistant, Biology Department, University of Évora

1988- 1998 Assistant, Biology Department, University of Évora

1998-2014 Assistant Professor, Biology Department; University of Évora

2.2 Member of the following research Institutes

Senior Researcher at the Mediterranean Institute for Agricultural and Environmental Studies (ICAAM) - -Laboratory of Plant Breeding and Biotechnology

<http://www.icaam.uevora.pt/>

ICAAM (standing for Institute of **Mediterranean Agricultural and Environmental Sciences**) is a University of Évora Research and Development (R&D) Unit created in 1991 under the framework of the National Science Program ("Program Ciência"). ICAAM is located on "Campus da Mitra", an experimental farm covering more than 285 ha in Alentejo (Southern Portugal), 12 km from the city of Évora. ICAAM's main goal is to promote excellence in research on Mediterranean agro-ecosystems, following a multidisciplinary approach (integrating researchers from several scientific areas: Agricultural Engineering, Animal Science, Biology, Crop Science, Physics, Chemistry, Ecology, Economics, Landscape and Territory, Soil Science and Veterinary Medicine) and a strong cooperation with national and international research groups and local producers and professional organizations. As a result, ICAAM aims to contribute to the knowledge, innovation, development, sustainability and competitiveness of agro-silvo-pastoral Mediterranean systems.

Researcher collaborator in Évora Geophysics Center (Centro de Geofísica de Évora)

<http://www.cge.uevora.pt/>

The Centre for Geophysics of Évora was created in 1991 under the Science Programme (Programa Ciência) and research activities began in 1993, developing its scientific research in the areas of Sciences of the Earth, Climate, Environment and Space and covered the following activities: R&D projects; Advanced training; Organization of Conferences/Workshops and Advanced Courses; Cooperation with other institutions, promotion of scientific awareness and providing technical advice In the following areas: Atmospheric Physics and Climate; Transfer phenomena in the Geosphere; Internal Geophysics / Seismology; Dynamics of Geological Processes

Group: Atmosphere and Hydrosphere (Coordinator: Prof. Dr. Ana Maria Silva)

Sub-group: Water, environment and Surface Processes (Water, Env. Surface Processes): Manuela M. Morais

Water Laboratory: <http://www.labagua.uevora.pt/>

Area of research in this Laboratory – New Unit of *Blue-Biotechnology*: Amely Zavattieri

One of the priority objectives of the Water Laboratory (Laboratório da Água) is the research and development of new analytical techniques, physico-chemical and biological parameters of the water for proper monitoring and better management of the water of the Alentejo, the driest region of Portugal. At the same time, are promoted specialized technical training activities to staff and students at the University of Évora and other national and foreign Institutions. Throughout the technical and scientific activity developed in the laboratory, it has been intended to boost the exchange of knowledge with similar companies and Institutions in Portugal and in other foreign countries. Another primary objective of this laboratory has been providing specialized services to several regional entities, including Municipalities and Regional Directorates, which have serious problems in quality, water management and infrastructures for the analysis of fresh water and for human supply.

Collaborator in the REAPLP (Water, Environmental and Surface Processes) Scientific Network

The Brazilian - Portuguese network on Environmental Studies-**RLBEA**, was first established in 1997 with the overall objective of promoting scientific cooperation in the area of environment and sustainable development between Portugal and Brazil, and with a specific objective to implement a master course in Environmental Management and policies in both countries. In this sense, was established a protocol between different Governmental and Academic Institutions. By Portuguese side the Protocol was signed by the Universities of Aveiro (UA), the University of Évora (UE), the University of the Azores, the University Nova de Lisboa, the Ministry of Environment and the National Scientific and Technological Research, actually called FCT (Ministry of Education and Science Foundation for Science and Technology); by the Brazilian part, the Protocol was signed by the University of Brasília (UnB), the University of the Amazon (UFPe), Federates University of Santa Catarina (UFSC), the Federal University of Pernambuco (UFPe), the Ministry of the Environment, the CNPq and CAPES. In compliance with structural objectives defined in its genesis, in 2004 the RLBEA expanded their activities to the portuguese-speaking African Countries including: Eduardo Mondlane University in Mozambique and Cape Verde; later, in 2009, the Agostinho Neto University of Angola. Actually it includes 12 Universities of Portuguese-speaking countries (Portugal, Brazil, Angola, Mozambique and Cape Verde, with the accession of the new African members, it was decided to change the name of the network to "Environmental Studies network of Portuguese speaking countries-**REAPLP**".

2.3 Domain of specialization

Plant Biotechnology; Plant microbial interactions – Mycorrhizas and Endophytes; Biotization; Botany; Cell Biology and recently: Blue Biotechnology

2.4 Research Activities

- Organogenesis and somatic embryogenesis of Mediterranean woody plants (*Pinus* and *Quercus*)
- In vitro studies of rooting problems in woody plant species, particularly conifers and *in vitro* mycorrhization
- Molecular markers for adventitious root formation
- Biotization
- Biochemistry of plant-fungi signaling
- Characterization of the multigene 'alternative oxidase' (AOX) and in its relationship to adaptative cell reprogramming under stress; particularly focus on the induction phase of somatic embryogenesis in conifers

2.5 Other Scientific expertise

- Ion transport (calcium)
- Water stress
- Mediterranean Forest Ecosystems.

2.6 Post-Graduate Courses, Professional Training

From April 29 to May 3, 2013 I will participate in the Short Course on "Molecular Biotechnology" by Prof. Bernard R. Glick (molecular Biotechnology at Waterloo University, Canada. Author of the Book Biotechnology: Principles and Applications of Recombinant DNA"). Course Content: Molecular Biotechnology; Protein Therapeutic Agents; Nucleic Acid Therapeutic Agents; Vaccines; Transgenic Plants.

Landscape Patagonia: Society-Nature Interaction (2010). Argentine Network of The Landscape.; 21-22 May, San Martín de Los Andes. Argentine

III Practical Course on Molecular Biological Methods with Special Focus on Quantitative and Semi-Quantitative PCR/RT-PCR (2007); Professor Birgit Arnholdt-Schmitt (EU Marie Curie Chair, ICAAM) University of Évora

Plant Biotechnology (1991) Challet Hereault, Chollet, France. COMETT/UNESUL Grant.

Semi-arid and arid cultures (1987) INRA, Settat, Morocco

ANSC 695 Special Topics in Animal Science: Sheep Management (1984) Prof. J.B. Authouse from Pardue University. University of Évora, Portugal

Rural Planning (1982) Mediterranean Agronomic Institute of Zaragoza (C.I.H.E.A.M), Zaragoza, Spain

Research Methods and Techniques in Paleobotany and Palinology (1981) Post-Graduate School, University of Rio Cuarto, Cordoba, Argentine

Bibliographic Techniques (1981) University of Rio Cuarto, Cordoba, Argentine

3. Scientific, Technical and Cultural Production

3.1 Research Projects

2014 - INTERACTIONS LAKE-ATMOSPHERE: THE ALEX 2014 FIELD CAMPAIGN AND NUMERICAL SIMULATIONS Salgado, R.(1,2), Potes, M.(1), Albino, A.(1), Apolinário, J.(3), Barbosa, S.(4), Bárias, S(1), Beliche, P. (5) , Bortoli, D.(1), Canhoto, P.(1,2), Costa, M. J.(1,2), Fernandes, R.M.(3,4), Harrison, G.(6), Ilhéu, A.(7), Le Moigne, P.(8), Lima, R.(9), Lopes, F.(4), Lopes, T.(2), Marques, J.(10), Melgão, M.(1,2), Miranda, P. M.(4) , Morais, M.(1,2), Murteira, M.(7), Nicoll, K.(6), Novais, M. H.(1), Nunes, S.(2), Parrondo, M. C.(11), Penha, A. (2), Pereira, S.(1), Policarpo, C.(1), Prior, V.(10), Rodrigues, C. M.(2), Rosado, J.(1), Sá, A.(3,12), Serafim, A. (1), Silva, H.(1), Soares, P. M. M.(4), Tlemçani, M.(1,2), Zavattieri, A.(2) (1) Instituto de Ciências da Terra, Universidade de Évora, rsal@uevora.pt (2) Escola de Ciências e Tecnologia, Universidade de Évora, (3) SEGAL, Universidade da Beira Interior (4) Instituto D. Luís (5) Comissão de Coordenação e Desenvolvimento Regional, CCDR - ALentejo (6) Department of Meteorology, University of Reading, UK (7) Empresa de Desenvolvimento e Infraestruturas de Alqueva, EDIA (8) CNRM-GAME, Météo-France/CNRS, France (9) Escola Superior de Tecnologia da Saúde do Porto, Instituto Politécnico do Porto (10) Instituto Português do Mar e da Atmosfera (11) Instituto Nacional de Técnica Aeroespacial (INTA), Spain (12) Instituto Politécnico da Guarda INTERACTIONS LAKE-ATMOSPHERE: THE ALEX 2014 FIELD CAMPAIGN AND NUMERICAL SIMULATIONS Salgado, R.(1,2), Potes, M.(1), Albino, A.(1), Apolinário, J.(3), Barbosa, S.(4), Bárias, S(1), Beliche, P. (5) , Bortoli, D.(1), Canhoto, P.(1,2), Costa, M. J.(1,2), Fernandes, R.M.(3,4), Harrison, G.(6), Ilhéu, A.(7), Le Moigne, P.(8), Lima, R.(9), Lopes, F.(4), Lopes, T.(2), Marques, J.(10), Melgão, M.(1,2), Miranda, P. M.(4) , Morais, M.(1,2), Murteira, M.(7), Nicoll, K.(6), Novais, M. H.(1), Nunes, S.(2), Parrondo, M. C.(11), Penha, A. (2), Pereira, S.(1), Policarpo, C.(1), Prior, V.(10), Rodrigues, C. M.(2), Rosado, J.(1), Sá, A.(3,12), Serafim, A. (1), Silva, H.(1), Soares, P. M. M.(4), Tlemçani, M.(1,2), Zavattieri, A.(2) (1) Instituto de Ciências da Terra, Universidade de Évora, rsal@uevora.pt (2) Escola de Ciências e Tecnologia, Universidade de Évora, (3) SEGAL, Universidade da Beira Interior (4) Instituto D. Luís (5) Comissão de Coordenação e Desenvolvimento Regional, CCDR - ALentejo (6) Department of Meteorology, University of Reading, UK (7) Empresa de Desenvolvimento e Infraestruturas de Alqueva, EDIA (8) CNRM-GAME, Météo-France/CNRS, France (9) Escola Superior de Tecnologia da Saúde do Porto, Instituto Politécnico do Porto (10) Instituto Português do Mar e da Atmosfera (11) Instituto Nacional de Técnica Aeroespacial (INTA), Spain (12) Instituto Politécnico da Guarda

2013-2014 Influence of cyanobacteria and their toxicological events in fresh water ecological quality. Comparing two international complex basins: Rio de la Plata, Argentine and Guadiana River in Portugal. Partners: Universidad Nacional de La Plata Laboratorio de Toxicología, Departamento de Ciencias Biológicas & Laboratório da Água; Universidade de Évora, Portugal.

2010-2011 Participant in a Brazilian-Portuguese Project (CAPES) "Water use in situation of scarcity: implementation of simple techniques for water treatment and storage for a sustainable development".

2010-2013 Participant with 13% time in the financed project: PTDC/AGR-AAM/103377/2008 Adventitious root formation in olive cuttings: a physiological response under oxidative stress? FCT-CAPES 20101997/00

2010 Micropropagation of endangered species (*Araucaria araucana*; *Fitzroya cupressoides*; *Nothofagus spp*) of the Patagonian-Andes Region. FCT Sabbatical Grant.

2007-2010 Analysis and mastering of root signaling by ectomycorrhizal fungi on *Pinus pinea* microshoots cultures. FCT Project PTDC-CFL/71437/2006. Project Coordinator.

2007 Somatic embryogenesis. Pine group. In collaboration with research groups of Canada; France; New Zealand and South Africa.

2006-2009 -Participant in CHAIR Project "Stress adaptation in plants - A molecular approach of socio-economic interest"

2003-2007 AGRO-683. Integrated development strategies for the rehabilitation of cv. "Galega vulgar"

2004/2005 Integrated Portugal-Spain Actions. Woody plants species regeneration using in vitro culture techniques. ICAAM-IMIA. CRUP Portuguese Grant.

2002/2003 Integrated Portugal-Spain Actions. Woody plants species regeneration using in vitro culture techniques. ICAAM-IMIA. CRUP Portuguese Grant

1997-200 PAMAF 2090. Micropropagation of Stone pine. "Breeding of Stone pine (*Pinus pinea* L.) for seed production in the South. In collaboration with Forest National Station (EFN), Oeiras, Portugal; DRARO

Ribatejo Oeste; Forest Institute Alcácer do Sal; Portugal.

3.2 Papers in periodic with scientific refereeing

*Author name in which I had published: Potes A.; Potes Maria AZ; Potes MA; Zavattieri Potes A, Zavattieri Amely; Zavattieri Maria A; Zavattieri MA; Zavattieri A;

Zavattieri A, Ragonezi C, Klimaszewska K, (2014) Adventitious rooting of conifers. Part II. Influence of biological factors. Review article. In preparation (to be send to Trees, Structures and Functions)

Ragonezi C, Teixeira D, Caldeira AT, Martins MR, Santos-Silva C, Ganhão E, Klimaszewska K, Zavattieri A (2014) O-coumaric acid ester, a potential signaling molecule detected during early *in vitro* co-culture between *Pinus pinea* L. plantlets and the ectomycorrhizal fungus *Pisolithus arhizus* (Scop.) Rauschert. Journal of Plant Interactions 9(1):297-305. DOI: 10.1080/17429145.2013.831489

Ragonezi C, Caldeira AT, Martins MR, Salvador C, Santos-Silva C, Ganhão E, Klimaszewska K, Zavattieri A (2012) Molecular approach to characterize ectomycorrhizae fungi from Mediterranean pine stands in Portugal. *Manuscript accepted for publication at the Brazilian Journal of Microbiology*. ISSN 1517-8382

Ragonezi C, Caldeira AT, Martins MR, Dias LS, Santos-Silva C, Ganhão E, Miralto O, Pereira I, Louro R, Klimaszewska K, Zavattieri A (2012) *Pisolithus arhizus* (Scop.) Rauschert improves growth of adventitious roots and acclimatization on *in vitro* regenerated plantlets of *Pinus pinea* L. *Propagation of Ornamental Plants* 12:139-147

http://www.journal-pop.org/2012_12_3_139-147.html

Castro Mário R, Belo Anabela F, Afonso Anabela, Zavattieri, Maria A (2011) Micropropagation of *Juniperus navicularis*, an endemic and rare species from Portugal SW coast. *Plant Growth Regulation* 65, 2: 223 - 230. doi: 10.1007/s10725-011-9590-1. JCR® Impact factor (2010): 1.630. Web of Science® **SCOPUS**-
<http://link.springer.com/article/10.1007%2Fs10725-011-9590-1?LI=true>

Ragonezi Carla, Caldeira Ana T, Martins Rosário, Klimaszewska Krystyna, Silva Celeste S, Peixe Augusto, Dias Luís, Ganhão Elsa, Miralto Otília; Louro Rogério, Zavattieri Amely (2011) Biotization of the mediterranean stone pine (*Pinus pinea* L.). *Current Opinion in Biotechnology* 22, 1:46 - 46. doi:10.1016/j.copbio.2011.05.118. JCR® Impact factor (2010): 8.486. Web of Science®
http://pubget.com/paper/pgtmp_88aea916e20a0856649d078799d9e0d3/Biotization_of_the_mediterranean_stone_pine_Pinus_pinea_L

Ragonezi Carla, Klimaszewska Krystyna, Castro Mário R, Lima Mónica, Oliveira Paulo, Zavattieri Maria A (2010) Adventitious rooting of conifers: influence of physical and chemical factors. *Trees* 24, 6: 975 - 992. doi:10.1007/s00468-010-0488-8. Web of Science® Citations: 2 **SCOPUS** Citations: 4
<http://link.springer.com/article/10.1007%2Fs00468-010-0488-8?LI=true>

Zavattieri, Maria A, Frederico António M, Lima Mónica, Sabino Rui, Arnholdt-Schmitt Birgit (2010) Induction of somatic embryogenesis as an example of stress-related plant reactions. *Electronic Journal of Biotechnology* 13, 1:1 - 9. doi: 10.2225/vol13-issue1-fulltext-4. JCR® Impact factor (2010): 0.865. Web of Science® Citations: 2 **SCOPUS** Citations: 7. <http://www.ejbiotechnology.info/index.php/ejbiotechnology/article/viewFile/v13n1-4/1083>

Castro Mário R, Ragonezi Carla, Klimaszewska Krystyna, Lima, Mónica, Oliveira Paulo, Zavattieri Maria A (2010) Mycorrhiza-like structures in rooted microshoots of *Pinus pinea* L. Latest developments of a new insight. *Acta horticulturae* 865, 1: 179 – 185
http://www.actahort.org/books/865/865_22.htm

Ragonezi Carla, Castro Mário R, Klimaszewska Krystyna, Lima Mónica, Zavattieri, Maria A (2010) Influence of light quality and intensity on adventitious root formation in microshoots of *Pinus pinea* L. *Acta Horticulturae*, 865, 1: 287 – 291
http://www.actahort.org/books/865/865_38.htm

Costa JH, Cardoso HG, Campos MD, Zavattieri A, Frederico AM, Fernandes de Melo D, Arnholdt-Schmitt B (2009) *Daucus carota* L. an old model for cell reprogramming gains new importance through a novel

expansion pattern of alternative oxidase (AOX) genes. *Plant Physiology and Biochemistry* 47, 8: 753 - 759. doi: 10.1016/j.plaphy.2009.03.011. JCR® Impact factor (2010): 2.402 - Web of Science® Citations: 9 <http://www.ncbi.nlm.nih.gov/pubmed/19372042>

Frederico António M, Zavattieri Maria A, Campos Maria D, Cardoso Hélia G, McDonald Allison E, Arnholdt-Schmitt Birgit. (2009) The gymnosperm *Pinus pinea* contains both AOX gene subfamilies, AOX1 and AOX2. *Physiologia Plantarum* 137, 4: 566 - 577. doi: 10.1111/j.1399-3054.2009.01279.x JCR® Impact factor (2010): 3.067 Web of Science® Citations: 3 <http://www.ncbi.nlm.nih.gov/pubmed/19863755#> <http://onlinelibrary.wiley.com/doi/10.1111/j.1399-3054.2009.01279.x/abstract>

Zavattieri Maria A, Lima Mónica, Sobral Virginia, Oliveira Paulo, Costa Alexandra R (2009) Effects of carbon source carbon concentration and culture conditions on *in vitro* rooting of *Pinus pinea* L. microshoots. *Acta Horticulturae*, 812, 1: 174 – 180 http://www.actahort.org/books/812/812_19.htm

Peixe A, Barroso J, Potes A, Pais MS (2004) Induction of Haploid Morphogenic Calluses from *in vitro* Cultured Anthers of *Prunus Armeniaca* cv. 'Harcot'. *Plant Cell, Tissue and Organ Culture (Kluwer Academic Publishers)* 77, 1: 35 - 41. doi: 10.1023/B:TICU.0000016498.95516.e6 Web of Science® Citations: 12. (<http://link.springer.com/article/10.1023%2FB%3ATICU.0000016498.95516.e6?LI=true>). Citations 24.

Oliveira P, Barriga J, Cavaleiro C, Peixe A, Zavattieri Potes A (2003) Sustained *in vitro* root development obtained in *Pinus pinea* L. inoculated with ectomycorrhizal fungi. *Forestry*, 76, 5: 579 - 587. doi: 10.1093/forestry/76.5.579. JCR® impact factor (2010): 1.460 Web of Science® Citations: 6; SCOPUS Citations: 13 <http://forestry.oxfordjournals.org/content/76/5/579.abstract>

Ferreira, H.; Peixe, A.; Druart, P; Kondakova, V; Potes, A. (2001). Isolation and culture of leaf mesophyll protoplast of *Prunus doméstica* L. cv. Rainha Cláudia Verde'. *Melhoramento* 37, 1: 221 - 226. <http://agris.fao.org/agris-search/search/display.do?f=2005%2FPT%2FPT0403.xml%3BPT2004000405>

Zavattieri Potes A. (1998). Studies on Calcium ion affinity (Ca²) in *Lycopersicon esculentum* (Mill.) cultivars. PhD Thesis. University of de Évora1, 1: 1 - 176

Vaz Lourenço MH, Potes Maria AZ, Marques Ana T, Matos Porfírio M. (1990) Forage Sorghum In Alentejo. I dry matter Production. In *Pastagens e Forragens* 11, 1: 51 - 55 http://www.sppf.pt/items.aspx?id_item=396

Vaz Lourenço, M. H; Marques, Ana T; Matos, Porfírio M.; Zavattieri, Maria A. (1992). Forage Sorghum In Alentejo. II Forage Quality. In *Revista da Sociedade Portuguesa de Pastagens e Forragens* 13, 1: 83 – 91 http://www.sppf.pt/items.aspx?id_item=538

3.3 Papers in conference proceedings with scientific refereeing

Zavattieri Maria A, Miralto Otília, Ragonezi Carla, Klimaszewska Krystyna, Dias Luís, Pereira Isabel (2011) Mycorrhiza-like structures during *in vitro* culture of stone pine (*Pinus pinea* L.): A matter of stress? Book of Abstracts XVI Congress of European Mycologists 19-23 Sept.. Neos Marmaras. Greece. (Page 238) <http://hdl.handle.net/10174/4550> http://www.symvoli.gr/conference/mycologists2011/uploads/Mycology_Abstracts_COMPLETE_WEB.pdf

Ragonezi Carla, Klimaszewska Krystyna, Dias Luís, Caldeira Ana T, Martins Rosário, Silva Celeste S, Louro Rogério, Miralto Otília, Ganhão Elsa, Zavattieri Maria A (2011) The use of ectomycorrhizal fungi to restore root growth during *in vitro* rooting and minimize losses during the acclimation of stone pine (*Pinus pinea* L.). Book of Abstracts XVI Congress of European Mycologists 19-23 Sept. Neos Marmaras. Greece (Page 235). <http://hdl.handle.net/10174/4370> http://www.symvoli.gr/conference/mycologists2011/uploads/Mycology_Abstracts_COMPLETE_WEB.pdf

Campos MD, Cardoso HG, Ferreira A, Macedo ES, Costa JH, Frederico AM, Zavattieri A, Hernández A, Costa AR, Gouveia C, Fernandes de Melo D, Peixe A, Arnholdt-Schmitt B (2010) Polymorphisms in alternative oxidase (AOX) genes - a useful tool to investigate genetic diversity across plant populations and species. Book of Abstract of the TIBE (Trends in Biodiversity and Evolution), Vairão, Vila do Conde, Portugal. (Page 80)

Castro Mário R, Ragonezi Carla, Klimaszewska Krystyna, Lima Mónica, Oliveira Paulo, Silva Celeste S, Zavattieri Maria A (2009) Mycorrhiza-like structures in rooted microshoots of *Pinus pinea* L. Latest developments of a new insight. XIII^o World Forestry Congress, Buenos Aires. Argentine
<http://dspace.uevora.pt/rdpc/bitstream/10174/6413/1/Mycorrhiza-like%20Structures%20in%20Rooted%20Microshoots%20of%20Pinus%20pinea%20L.%201.pdf>

Silva Celeste S, Ragonezi Carla, Pires Patricia, Castro Mário R, Lima Mónica, Zavattieri Maria A, Klimaszewska, Krystyna (2010) Misleading Mycorrhiza? Latest developments and new insights. Proceedings of the Cost 870 - Efficient Plant – AMF Interaction. Évora, Portugal. (Page 62)
<http://mecoter.cesec.ro/pdf/Book%20of%20Abst.2.pdf>

Zavattieri Maria A, Lima Mónica, Ragonezi Carla, Castro Mário R, Klimaszewska Krystyna, Oliveira Paulo (2009) Analysis and mastering of root growth signaling by ectomycorrhizal fungi in *Pinus pinea* L. microshoot cultures. In RedBio-FAO Internacional Congress, Rosario. Argentine

Silva AF, Lima M, Caldeira AT, Zavattieri MA, Klimaszewska K (2009) Biochemical study of zygotic embryogenesis in stone pine (*Pinus pinea* L.) and its potential contribution to the development of somatic embryogenesis. IUFRO Tree Biotechnology Conference, Whistler, BC, Canada. Page 59, P-115
<http://hdl.handle.net/10174/6780>

Zavattieri, Maria A.; Lima, Monica.; Castro, Mario R; Ragonezi, Carla; de Oliveira, Paulo Klimaszewska, Krystyna (2009) Analysis and mastering of root growth signaling by ectomycorrhizal fungi in *Pinus pinea* L. microshoot cultures. IUFRO Tree Biotechnology Conference, Whistler, BC, Canada. Page 58, P-114

Ragonezi Carla, Castro Mário R, Silva Celeste S, Lima Mónica, Oliveira Paulo, Klimaszewska Krystyna, Vaz Margarida, Zavattieri Maria A (2009) Misleading Mycorrhizae?. ICOM 6. Internacional Conference on Mycorrhiza, Belo Horizonte. Brasil
<http://www.mycorrhizas.org/icom6/abstracts/index.htm>.
<http://www.mycorrhizas.org/icom6/abstracts/trabalhos/trabalho5681.htm>

Ragonezi C., Castro MR., Klimaszewska, K.; Lima M., Zavattieri MA (2008) Role of light quality on adventitious root formation in microshoots of *Pinus pinea* L. AEMP International Symposium on Acclimatization & Establishment of Micropropagated, Bangalore. India
http://www.pubhort.org/actahort/books/865/865_38.htm

Zavattieri Maria A, Lima Mónica, Sobral Virginia, Oliveira Paulo, Costa Alexandra R (2007) Effects of Carbon source, carbon concentration and culture conditions on *in vitro* rooting of *Pinus pinea* L. microshoots. 3rd International Symposium on Acclimatization and Establishment of Micropropagated Plants (AEMP) Faro
http://www.actahort.org/books/812/812_19.htm

Frederico António M, Campos Maria D, Cardoso Hélia G, Zavattieri Maria A, Arnholdt-Schmitt, Birgit (2007) Cell differentiation and reprogramming in *Daucus carota* L. - Studies on the role of alternative oxidase (AOX) expression. Proceedings of the International Congress on Plant Mitochondrial Biology, Nara, Japan

Arnholdt-Schmitt B, Cardoso HG, Frederico AM, Santos Macedo E, Xavier M, Campos MD, Peixe A, Ferreira A, Gouveia C, Zavattieri A (2007) High-throughput transcript analyses versus hypothesis-driven research: thinking cell reprogramming new. Book of Abstracts Funtional Genomics & Systems Biology, Cold Spring Harbor

Zavattieri Maria A, Carneros E, Hernandez I, López-Vela D, Toribio Iglesias M, Celestino C (2005) Early stages of development of somatic embryos induced in zygotic embryo of stone pine. VI Meeting of the Spanish Society of Plant Tissue Culture. SECIVTV. Córdoba. Spain

Carneros E, Zavattieri Maria A, Hernandez I, Toribio Iglesias M, Celestino C (2005) Induction of pre-embryogenic masses in pine zygotic embryos of stone pine. In Actas of the IV Forest Spanish Congress. Zaragoza. Spain

Celestino C, Hernandez I, Carneros E, López-Vela D; Alegre J, Zavattieri Maria A, Toribio Iglesias M (2005). Somatic embryogenesis, as a tool for clonal regeneration of mediterranean forest species. Scientific Conference at ICAAM (JORNICAM-2005), University of Évora. Portugal

Zavattieri Maria A, Ragonezi Carla, Castro Mário R, Lima Mónica (2008) Achieving *in vitro* rooting in recalcitrant pine. 5th International Symposium on Adventitious Root Formation: From cell fate flexibility to root meristem determination and biomass formation. Alcalá de Henares, Spain

Peixe A, Serras M, Campos C, Zavattieri A, Dias AS (2005) Histological study on the formation of adventitious roots in cuttings of olive tree (*Olea europaea* L). Scientific Conference at ICAAM Institute (JORNICAM-2005), University of Évora, Portugal

Hernandez I, López-Vela D, Carneros E, Zavattieri Maria A, Celestino C, Toribio Iglesias M (2003) Influence of the mother plant in the somatic embryogenesis of cork oak (*Quercus suber* L). V Meeting of the Spanish Society of Plant Tissue Culture (SECIVTV), Pamplona, Spain

Potes Amely, Oliveira Paulo, Peixe Augusto, Barriga João, Cavaleiro Cremilde (2000) *In vitro* mycorrhization of stone pine plantlets obtained via organogenesis. First Symposium on Stone Pine (*Pinus pinea* L.), Valladolid, Spain

Zavattieri Potes A, Cavaleiro C, Peixe AV (1999) Optimization of the rooting and acclimatization phases of pine seedlings (*Pinus pinea* L.) obtained via organogenesis. Meeting of the Spanish Society of Plant Tissue Culture (SECIVTV), Torremolinos, Spain

Barriga João, Oliveira Paulo, Romano Anabela, Zavattieri Potes A (1999) Ectomycorrhizal diversity in *Pinus pinea* stands in Portugal. Actas of the 2nd Meeting on Biodiversity. Porto. Portugal

Zavattieri Potes A, Oliveira Paulo, Peixe Augusto, Barriga João, Cavaleiro Cremilde (1999) *In vitro* mycorrhization of *Pinus pinea* L. plantlets obtained via organogenesis. 3^o Congress in Plant Biotechnology. Universidade de Trás os Montes e Alto Douro (UTAD), Vila Real, Portugal

Zavattieri Potes MA, Gazarini L, Dutuit P, Pourrat Y (1997) Teste precoce para caracterização da afinidade ao cálcio de diferentes genótipos de tomate para indústria. Actas de Horticultura. Vol. 16. II Iberian Congress of Horticultural Science. 11-15 March. Vilamoura, Portugal

3.4 Papers in scientific publications without refereeing

Peixe A, Serras M, Campos C, Zavattieri MA, Dias AS. (2007). Histological study on the formation of adventitious roots in cuttings of olive tree (*Olea europaea* L): Histological evaluation. *Revista de Ciências Agrárias* 30, 1: 476 – 482
<http://www.scielo.gpeari.mctes.pt/pdf/rca/v30n1/v30n1a50.pdf>

3.5 Patents

Portuguese Patent nº PT105239 National Institute of Industrial Property (INPI Portugal).

International Classification: **A01H 4/00** (2006); **C12N 5/04** (2006)

Title: *System and method of in vitro plant culture for the analysis of the metabolites released by the root system* (Sistema e método de cultura de plantas in vitro para análise de metabolitos libertados pelo sistema radicular)

Owner of the patent: University of Évora; Largo dos Colegiais, nº 2; 7000-803 Évora PT
Inventors: Mário Rui Costa Basílio e Castro; Carla Aparecida Ragonezi Gomes Lopes; Paulo Guilherme de Oliveira; Maria Amely Zavattieri
Date of Patent Publication: 26-10-2012
Start of Validity: 6-08-2010
<http://servicosonline.inpi.pt/pesquisas/main/patentes.jsp?lang=PT>

3.6 Other scientific production

3.6.1 Plant sequences

Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Frederico, António M; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1a (PpAOX1a1) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380550. <http://www.ncbi.nlm.nih.gov/nucore/GQ380550>

Zavattieri, Maria A; Campos, Maria D; Frederico, António M;; Arnholdt-Schmitt, Birgit; Cardoso, Hélia G. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1a (PpAOX1a2) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380551. <http://www.ncbi.nlm.nih.gov/nucore/GQ380551>

Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Frederico, António M; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1a (PpAOX1a3) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380552. <http://www.ncbi.nlm.nih.gov/nucore/GQ380552>

Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Frederico, António M; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1a (PpAOX1a4) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380553. <http://www.ncbi.nlm.nih.gov/nucore/GQ380553>

Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Frederico, António M; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1a (PpAOX1a5) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380554. <http://www.ncbi.nlm.nih.gov/nucore/GQ380554>

Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Frederico, António M; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1a (PpAOX1a6) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380555. <http://www.ncbi.nlm.nih.gov/nucore/GQ380555>

Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Frederico, António M; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1a (PpAOX1a10) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380556. <http://www.ncbi.nlm.nih.gov/nucore/GQ380556>

Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Frederico, António M; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1a (PpAOX1a15) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380557. <http://www.ncbi.nlm.nih.gov/nucore/GQ380557>

Frederico, António M, Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1b (PpAOX1b2) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380558. <http://www.ncbi.nlm.nih.gov/nucore/GQ380558>

Frederico, António M; Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G;; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 1b (PpAOX1b15) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380559. <http://www.ncbi.nlm.nih.gov/nucore/GQ380559>

Zavattieri, Maria A; Campos, Maria D; Cardoso, Hélia G; Frederico, António M; Arnholdt-Schmitt, Birgit. 2009. "*Pinus pinea* mitochondrial alternative oxidase 2 (PpAOX2) gene, nuclear gene for mitochondrial product, partial cds. NCBI, Gene Bank: GQ380560. <http://www.ncbi.nlm.nih.gov/nucore/GQ380560>

3.6.2 Fungal sequences

Ragonezi C, Caldeira AT, Martins MR, Santos-Silva C, Klimaszewska K, Louro R, Ganhão E, Zavattieri A (2012) *Lactarius deliciosus* isolate UEZB1 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence. NCBI Gene Bank accession: JQ066791
<http://www.ncbi.nlm.nih.gov/nucleotide/JQ066791>

Ragonezi C, Klimaszewska K, Caldeira AT, Martins MR, Santos-Silva C, Zavattieri A (2011) *Pisolithus* sp. P1001 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence. Gene Bank accession: HQ896485.1
<http://www.ncbi.nlm.nih.gov/nucleotide/HQ896485.1>

3.7 Conferences, Special Lectures and Training Courses

Biotization of *Pinus pinea* L. (2015) Estação Experimental INTA Bella-Vista. Corrientes-Argentina

Zavattieri Maria A and Ragonezi Carla (2011) Biotization of Mediterranean Woody Species. Seminar for the PhD students in Biology (IFA). University of Évora, Portugal

Zavattieri Maria and Ragonezi Carla (2011) "Biotization" - Response of forest plants to *in vitro* mycorrhization. ICAAM Conferences. University of Évora, Portugal

Zavattieri Maria A (2010) "Portugal". Conference during Sabbatical Licence. AUSMA, University of COMAHUE. San Martín de Los Andes, Neuquén, Argentine

Zavattieri Maria A (2010) The University of Évora and the Education System in Accordance with Bologna Protocol. Conference during Sabbatical Licence. AUSMA, University of COMAHUE, San Martín de Los Andes, Neuquén, Argentine

Zavattieri Maria A (2010) Somatic Embryogenesis, Lecture during Sabbatical Licence. AUSMA, University of COMAHUE, San Martín de Los Andes, Neuquén, Argentine

Zavattieri Maria A (2006) OGM. Genetically Modify Food. As invited speaker by the Centre of Biology Student of The University of Évora (C.E.B.E), University of Évora

Zavattieri Maria A (2003) Conference on Genetically Modified Foods (OGM): Ethical concerns of plant biotechnology. University of Évora

Zavattieri Maria A (2001) Biotechnology of *Pinus pinea* L. Seminar for the Botany Group of the Biology Department, University of Évora

3.8 International Congress and Symposiums (with active participation)

* Zavattieri ex Potes

Some items that were originally published in Spanish or Portuguese will have some difficulty to be found on the internet from this English translation

ALqueva hydro-meteorological EXperiment (ALEX): first results of aquatic ecological assessment- Maria Manuela Morais, Maria Helena Novais, Susana Nunes, Joana Rosado, Alexandra Penha, Amely Zavattieri, Miguel Potes, Rui Salgado. APMG2015 – 9º Simpósio de Meteorologia e Geofísica da APMG e 16º Encontro Luso-Espanhol de Meteorologia. 16 a 18 de Março, 2015. Hotel Vila Galé Alacora. Tavira.
http://www.researchgate.net/publication/277075557_INTERACTIONS_LAKE-ATMOSPHERE_THE_ALEX_2014_FIELD_CAMPAIGN_AND_NUMERICAL_SIMULATIONS

4to Congresso Ibérico de Cianotoxinas-Lisboa 8-10 de Junho de 2015. Monitoring cyanobacteria and cyanotoxins in Alqueva Reservoir, Portugal. Zavattieri M.A.*1.; Morais M.M.1; Nunes S.1; Penha A.1; Caldeira A.T.3; Martins M.R.3,4; Salgado R5 . <http://www.4cic2015.pro-insa.pt/wp-content/uploads/2015/05/Livro-de-resumos-4%C2%BACIC2015.pdf>

Ragonezi C, Caldeira AT, Martins MR, Teixeira D, Dias LS, Miralto O, Ganhão E, Klimaszewska K, Zavattieri A (2012) Micropropagation of recalcitrant pine (*Pinus pinea* L.). An overview of the effects of ectomycorrhizal inoculation. 2nd Conference of the International Union of Forest Research Organizations (IUFRO): Somatic Embryogenesis and Other Vegetative Propagation Technologies. Brno, Czech Republic
<http://www.iufro20902.org/abstracts.pdf> (S2-6)

Ragonezi C, Caldeira AT, Martins MR, Klimaszewska K, Santos-Silva C, Peixe A, Dias LS, Ganhão E, Miralto O, Pereira I, Louro R, Zavattieri A (2011) Biotization of Mediterranean stone pine (*Pinus pinea* L). European Biotechnology Congress, September 28 - October 1, Istanbul, Turkey
http://pubget.com/search?q=author:%22Krystyna%20Klimaszewska%22&from=pgtmp_88aea916e20a0856649d078799d9e0d3

Castro MR, Ragonezi C, Klimaszewska K, Lima M, Oliveira P, Zavattieri MA (2008) Mycorrhiza-like structures in rooted microshoots of *Pinus pinea* L. Identification of natural and symbiotic formation differences. International Symposium on Acclimatization & Establishment of Micropropagated Plants (AEMP), Bangalore, India

Ragonezi C., Castro MR., Klimaszewska, K.; Lima M., Zavattieri MA (2008) Role of light quality on adventitious root formation in microshoots of *Pinus pinea* L. AEMP International Symposium on Acclimatization & Establishment of Micropropagated, Bangalore. India
http://www.pubhort.org/actahort/books/865/865_38.htm

Mycorrhizae-like structures in *Pinus pinea* L. rooted microshoots: Identification of natural and symbiotic formation differences, 2008. AEMP International Symposium on Acclimatization & Establishment of Micropropagated Plants; AEMP; Bangalore, India.

Ragonezi C., Castro MR., Zavattieri MA., Lima M. (2008) Achieving in vitro rooting in recalcitrant pine. In: 5th International Symposium on Adventitious Root Formation. Alacalá de Henares, Spain. P-14 in link:
https://docs.google.com/viewer?a=v&q=cache:TvPCeiBTMb4J:www.iufro.org/download/file/5384/4503/20117-madrid08-abstracts_pdf/+Mycorrhiza-like+structures+in+rooted+microshoots+of+Pinus+pinea+L.+Identification+of+natural+and+symbiotic+formation+differences&hl=pt-PT&gl=pt&pid=bl&srcid=ADGEESiOwC7MF4-CVkhf-rbXXmqCx8Dr-9W2xXiuHpJtZSRvuWsXK3AezX_NuaA_hHvFRb2Pdg_dd9JyFnae1YEzY5yA78EsKRDfWJVj_peEFWboVLG9YVJ4ehx9ivVoYyNJ94hGMfHz&sig=AHIEtbTv1aVfwNaayH0BLeXzIU_pUreceg

Frederico A.M.; Zavattieri A.; Campos M.D.; Cardoso H.G.; & Arnholdt-Schmitt B. (2008). AOX genes isolation in stone pine (*Pinus pinea* L.). Abstract book of the First International AOX Symposium 2008, Pp.67, pg.33. Évora (Portugal), 22nd to 27th October

Zavattieri MA., Lima M., Sobral V., Oliveira P., Costa A. (2007) Effects of carbon source, carbon concentration and culture conditions on in vitro rooting of *Pinus pinea* L. AEMP2007 3rd International Symposium on Acclimatization and Establishment of Micropropagated Plants. Faro; Portugal.
http://www.actahort.org/books/812/812_19.htm

Carneros, E. Zavattieri A. Hernandez, I; Toribio, M. Celestino, C. (2005) Inducción de masas pre-embriogénicas en embriones zigóticos de pino piñonero. IV Spanish Forest Congreso. Zaragoza, Spain.
<http://www.seforestales.org/buscador/pdf/4CFE05-163.pdf>

Celestino C, Hernández I, Carneros E, López-Vela D, Alegre J, Zavattieri A, Toribio M (2005c). La embriogénesis somática como vía de regeneración clonal de especies forestales mediterráneas. Jornadas ICAM Inovação Tecnológica nos Sistemas Agrícolas Mediterrânicos. Évora, Portugal.
<http://www.scielo.oces.mctes.pt/pdf/rca/v30n1/v30n1a51.pdf>

Carneros, E; Zavattieri, A. Hernández I, López-Vela D, Toribio M, Celestino C (2005b) Primeras fases del desarrollo de embriones somáticos inducidos en embrión cigótico de pino piñonero. The Spanish Society of *In Vitro* Plant Tissue Culture (SECIVTV). Cordoba; Spain. In page 28, link <http://www.ivia.es/secivtv/documentos/VI%20Reunion%20Nacional-Cordoba.pdf>

Inmaculada Hernandez; Dolores López-Vela, Elena Carneros, Amely Zavattieri, Cristina Celestino, Mariano Toribio (2003) Influencia de la procedencia del árbol en la embriogénesis somática de alcornoque (*Quercus suber* L.). V Spanish Meeting of The Spanish Society of *In Vitro* Plant Tissue Culture (SECIVTV). Pamplona, Spain. <http://www.ivia.es/secivtv/lineas/V%20Reuni%F3n.pdf>

Peixe A., Barroso, J., Pais, M.S., Potes, M.A.(2002) Induction of haploid calli with morphogenic characteristics from in vitro cultured anthers of *Prunus armeniaca* cv.'Harcot', *XXVI International Horticultural Congress-Symposium 1(S01): Biotechnology of Horticultural Crop Improvement*, Ontário, Canadá, p.90.

Oliveira, P., Barriga, J., Cavaleiro, C., Peixe, A., Potes, MA. (2001). -Sustained root development in vitro obtained in *Pinus pinea* with the help of ectomycorrhiza-derived fungi. Actas of the 3rd ICOM International Congress on Mycorrhiza. Adelaide, Austrália

Potes A.; Costa A.R.; Cavaleiro C.; Alves, S. (2001) Advances on the in vitro rooting of stone pine (*Pinus pinea* L.) shoots obtained via organogenesis. Abstracts of the First International Symposium on "Acclimation and Establishment of Micropropagated Plants". Greece

Potes, A ; Cavaleiro, C ; Oliveira, P (2001) Método optimizado para a redução clonal de plantas de pinheiro manso (*Pinus pinea* L.).p 103. 4º Congresso Florestal Nacional. Évora

Ferreira, E.; Peixe, A.V. Druart, P. Konda Kova, V.; Potes, A. (2000) Isolation and culture of leaf mesophyll protoplast of *Prunus doméstica* L. cv. Rainha Cláudia. 4º Workshop on Plant Biotechnology and Biodiversity. University of Évora, Portugal

Barriga, J.; Oliveira, P.; Romano, A.; Potes, A (2000). Diversity of ectomycorrhizal fungi associated to *Pinus pinea* stands. II Meeting on Biodiversity. Porto, Portugal.

Potes, A.; Oliveira, P.; Peixe, A.V.; Barriga, J.; Cavaleiro, C. (1999) In vitro mycorrhization of stone pine plants obtained from cotyledons organogéneses.. 3º Workshop on Plant Biotechnology and Biodiversity. University of Trás-os-Montes e Alto Douro. Vila Real, Portugal

Potes, A.; Cavaleiro, C. (1999) Optimisation of the rooting and acclimation conditions of *Pinus pinea* L. plants. III Meeting of the Spanish Society of In vitro Plant Tissue Culture. Málaga. Spain.

Potes, A.; Gazarini, L.; Dutuit, P.; Pourrat, Y. (1997) Calcium ion affinity in processing tomato genotypes. II Iberian and American Congress, III Iberian Congress of Horticultural Science, Vila Moura, Portugal

Potes, A.; Gazarini, L.; Dutuit, P.; Pourrat, Y. (1996) Precoce test to characterise calcium ion affinity in processing tomato genotypes. Troisième Rencontre du Département de Biologie Moléculaire et Structurale de Grenoble. Le métabolisme de la cellule végétale et sa régulation. Villard de Lans, France

Maria Ermelinda V. Lourenço. Amely Potes (1989) Evaluation of forage Sorghum genotypes in response to drought. International Seminar on Photosynthesis and Growth Under Mediterranean Conditions. Influence of Dryness and salinity. Oeiras, Portugal

Maria Ermelinda V. Lourenço; Amely Zavattieri Potes; Porfirio M. P. Matos (1989). Forage Sorghum in Alentejo. Dry matter production, Meeting of the Portuguese Society of Pasture and Forage. Elvas. Portugal

3.9 Congress and Symposium without active participation

First EUROREST Congress (1999) Madrid. Spain

1º Biotechnology Workshop. (1999) Oeiras / EFN. Portugal

First Portugal-Spain Forest Congress and II Spanish Forest Congress (1997) Pamplona. Spain

First Symposium on vegetative propagation of woody plants species (1996) Castelo Branco. Portugal

IX Meeting of the Portuguese Society of Grassland and Forage (1988) Monfortinho / Hotel das Termas. Portugal

V International Conference on Mediterranean Climate Ecosystems (Time Scales and Water Stress); MEDECOS V (1988). Montpellier / CNRS. France

VIII, Meeting of the Portuguese Society of Grassland and Forage (1987) University of Évora. Portugal

Meeting on Cork-oak Forests and Holm-Oak (1986) University of Évora. Portugal

IX Argentine Meeting of Ecology (1981) Rio Negro; San Carlos de Bariloche. Argentine

VII Meeting for the study of arid and semi-arid lands (1980) INTA; San Luis. Argentine

3.10 Workshops

4th workshop on “Parameterization of Lakes in Numerical Weather Prediction and Climate Modelling” Évora. Portugal, May 07-09, 2015. <http://www.lake15.cge.uevora.pt/>

3º Workshop on Plant Biotechnology: Biotechnology and Biodiversity (1999) Instituto de Ciências Agrárias e Agro-Alimentares da UTAD. Vila Real. Portugal

1º Workshop on Plant Biotechnology, (1998) Oeiras, Portugal

Workshop in Field Instrumentation for Environmental Physiology (1989) FESPP. Faro. Portugal

Workshop on Intensive Agriculture in Arid and Semi-Arid Zones (1988) Oeiras / EFN. Portugal

3.11 Cost Actions

Member of COST Action FA1103 *Endophytes in Biotechnology and Agriculture* representing Portugal

Participant in the COST “EUROSILVA” Working Group I: Advances on Somatic Embryogenesis in Forest Trees (1998).Orléans, France

3.12 Sabbatical Grants

2015 Laboratory of Forest Biotechnology- INTA Bella Vista, Corrientes, Argentine. Micropropagation of forest species (*Grevillea robusta*; *Corymbia citriodora*; *Pinus taeda*). Collaboration with Eng. Carlos Vera Bravo. This Sabbatical was paid by University of Évora.

2010 Bi-lateral Grant from: The *Fundação para a Ciência e a Tecnologia* (FCT) Portugal and the *Ministerio de Ciencia, Tecnología e Innovación Productiva*, Argentine (MINCYT) “Application of biotechnology to assist propagation and conservation of endangered woody species of the Valdivian Temperate Rainforest Eco-Region. University of Comahue; San Martin de Los Andes, Neuquén, Argentine.

2002 CRUP-Grant (Council of Rectors of the Portuguese Universities). “Organogenesis and somatic embryogenesis of Stone pine”. (IMIDRA), Alcalá de Henares, Spain

3.13 Scientific/Cultural events organization

Photo exhibition "Biodiversity in Argentina and Nature Photography Workshop and Competition on the Theme "A look at Biodiversity". The workshop on nature photography, include the Lecture "Challenges of nature photographers" (Belén Etchegaray, President of the FNA, Argentine). Colégio António Luís de Verney, May 2012; University of Évora.

<http://www.cbd.int/2011-2020/events/details/?Event=5055>

http://www.videos.uevora.pt/2012-05-29/nota_ueline.pdf

Zavattieri, Maria A; Oliveira, Paulo (2001) Ectomycorrhizas in the Iberian Peninsula; Two countries, similar interests. University of Évora. Portugal; Congress organization and participation

Zavattieri, Maria A; Peixe, A. (2000) 4^o Workshop on Plant Biotechnology (Organization Committee). University of Évora. Portugal

3.14 Technical reports

Zavattieri, Maria A. 2010. Complete Report on Sabbatical Research and Academic Activities.

Zavattieri, Maria A. 2010. Final Report FCT-PTDC-CFL/71437/2006 Project.

Oliveira, Maria R. G; Carvalho, Maria L. S; Pinheiro, Anacleto C; Zavattieri Potes, Maria A; Marques, Fernando P. C. 2003. Self-evaluation report for the degree course in Agricultural Engineering. University of Évora.

Zavattieri, MA (1990). Evaluation of three tomato cultivars: precocity, maturation, and industrial quality. Research at SOPRAGOL Enterprise. Mora, Portugal.

3.15 Reviews for Scientific Journals

Factors that Influence the Yield and Viability of Protoplasts from *Carica papaya* L. (2011) AJB-10-1156 African Journal of Biotechnology.

The micropropagation of *Chrysanthemums* via axillary shoot proliferation and highly efficient regeneration by somatic embryogenesis (2011). AJB-10-1976 African Journal of Biotechnology.

Effects of excess copper on the oxidative stress in roots of Maize seedlings (2011). AJB-11-842. African Journal of Biotechnology.

The application of plant biotechnology in China (2011) AJB-11-148. African Journal of Biotechnology.

Rejuvenation and Adventitious Rooting in Coppice-Shoot Cuttings of *Tectona grandis* as Affected by Stock-Plant Etiolation (2011) American Journal of Plant Sciences (AJPS) Paper1 2600083 .

Regeneration of orthotropic stem explants of *Araucaria excelsa* R. Br. var. *glauca* Carrière (2011) Tress-Structure and Function (Springer)

Indirect somatic embryogenesis for isolated axillary meristem of *Tetrapleura tetraptera* (2012) International Journal of Plant & Soil Science. IJPSS_2959

In Vitro Propagation of *Vitex trifolia* L.-Influence of Explanting Season, Growth Regulator Synergy, pH, Culture Passage and Planting Substrate (2013) Trees: Structure and function. TREES-D-13-00081

Adventitious shoot formation and plant regeneration from leaf explant of *Dianthus caryophyllus* L. (2013). African Journal of Biotechnology. AJB/19.02.13/12159

3.16 PME's Technology Transfer and Projects

2010-2011 - Research for the development of a protocol for the *in vitro* propagation of *Juglans regia* L cultivars (for an Argentine Enterprise located in Mendozaiaon).

1999-2000 Project development for the creation of a Commercial Laboratory for *in vitro* plant propagation (horticultural; fruit trees and ornamental plants) Biosul S.A, Biotecnologia do Sul; Évora, Portugal.

3.17 European/Portuguese projects evaluator

QREN Projects (National Strategic Reference Framework) in the area of Biotechnology (2012)

3.18 European and International Contacts and Networks

Eng. Carlos Vera Bravo- INTA Bella-Vista, Corrientes, Argentine

Dr. Susana Marcusi Poltri

Dr. Krystyna Klimaszewska
Research Scientist, Forest Tree Biotechnology
Laurentian Forestry Centre; Québec
Canada

Dr. Yvonne Pourrat
European Expert in Gender in Engineering chez European Commission
ECEPIE, European Commission, CDEFI (Conférence des Directeurs des Ecoles Françaises d'Ingénieurs)
Paris; France

Dr. Carolin Schneider
Inoq GmbH; Innovation und Qualität
Germany

Professor Dr. Miguel Pedro Guerra
Universidade Federal de Santa Catarina, Centro de Ciências Agrárias, Departamento de Fitotecnia,
Laboratório de Fisiologia do Desenvolvimento e Genética Vegetal - LFDGV
Florianópolis, Brasil

Prof. Dr. Maurizio Capuana
Sezione di Ecologia e Fisiologia Vegetale, Dipartimento di Biologia Vegetale, Università di Firenze, Via
Micheli 1, 50121 Florence, Ital
Actually in University of Ghent; Belgium

Dr. Claudio Campagna
Conservation Zoologist at Wildlife Conservation Society, United States of America
Argentine-USA

Dr. Ana Mafalda Dourado Santos
National Contact Point at GPPQ - 7th Framework Programme Promotion Office
Portugal

Prof. Dr. Paulo Andrade
Departamento de Genética da Universidade Federal de Pernambuco; Brasil

Prof. Dr. Marcia Almeida de Melo
Universidade Federal de Campina Grande – Centro: Gentrop

Prof. Álvaro Lima
ITP-UNIT; Aracaju, Sergipe, Brasil

Dr. Rajeev Kumar
Bharathiyar University, Coimbatore, India

4. Academic work

4.1 Teaching, Institutions, dates in chronological order

University of Rio Cuarto, Cordoba, Argentine

1980/82 Plant Ecology. School of Agronomy and Veterinary Medicine.

University of Évora, Portugal

1985/86 Phytosociology

1986/87 Plant Biology I, and Phytosociology

1987/88 Agricultural Botany; Eco-physiology; Phytosociology

1988/89 Plant Biology I; Applied Botany II; Soil/Water/Plant Relationship

1989/90 Agricultural Botany II; Agricultural Botany I

1990/91 Plant Taxonomy and Systematic; Plant Biology I; Ecophysiology;
Soil/Water/Plant Relationship

1991/92 Agricultural Botany I; Agricultural Botany II

1993/94 Applied Botany II

1994/95 Agricultural Botany II

1995/96 Plant Biology II; Plant Physiology

1996/97 Plant Biology II; Plant Physiology

1997/98 Preparing the PhD dissertation

1998/99 Plant Physiology I; Laboratorial Methods and Techniques in Biology; Plant Biotechnology I; Plant
Biotechnology II

1998/00 Biology II; Laboratorial Methods and Techniques in Biology; Plant Biotechnology I; Plant
Biotechnology II

2000/01 Biotechnology I, Biotechnology II; Biology II; Laboratorial Methods and
Techniques in Biology; Etnobotany (Participation); Applied Botany

2002/03 Agricultural Botany III (Post-Harvest Physiology)

2002/11 Cellular Biology

2011 Plant Biotechnology

2012 Cellular Biology

4.2 Taught short course

Zavattieri, Maria A. and Hernán Mattes Hernández (2010) Short course "Biotechnological techniques applied for the conservation of forest trees". University of COMAHUE; AUSMA, San Martín de Los Andes, Argentine (Lecture)

4.3 Scientific Advisor

4.3.1 PhD. and Master Degree Thesis

2008-2012 "In vitro plant regeneration of *Pinus pinea* L plants from zygotic embryos: ways to overcome the rooting problems". PhD Thesis in Biology. University of Évora. Carla Ragonezi Lopes

2009 "*Juniperus navicularis* Gand. Contribution to their conservation". Master Degree in Conservation Biology. Mário Rui Basílio Castro

4.3.2 Licentiate's Degree

- 2008 - Somatic embryogenesis of stone pine. Rui Sabino. Biology Degree
- 2008 - Study of biochemical parameters during zygotic embryogenesis; Ana Filipa Moreira da Silva.
- 2007 - Temporary immersion bioreactors (TIB) for the improvement of micropropagation of *Castanea sativa*. Co-advisor. Helena Sapeta, University of Ghent; Belgium
- 2002 - In vitro techniques optimization for rooting of *Pinus pinea* L microshoots. Susana Maria da Costa Alves. Biology Degree. University of Evora
- 2001 - Studies on in vitro adventitious root formation. João Silva.
- 2001 - In vitro mycorrhization of micropropagated plants of *Pinus pinea* L. João Barriga. Biology Degree in Biotechnology.
- 1999 - Somatic embryogenesis in Stone pine (*Pinus pinea* L.). Elsa Rute Guerra Caeiro. Biology Degree.
- 1997- *In vitro* plants regeneration of Stone pine via organogéneses. Maria do Céu Teles Ameixa. Agronomy Degree.
- 1996- In vitro multiplication of Stone pine (*Pinus pinea* L.). Maria Luísa Varela de Sousa Medina. Agronomy Degree.
- 1995- Micropropagation of Stone pine (*Pinus pinea* L.). Luís Miguel Final Fernandes Dantas. Agronomy Degree.
1994. "Effects of electromagnetic fields in plants of *Lycopersicon esculentum* (Mill.)". Final dissertation for Agronomy Degree. Maria Isabel Freitas
- 1993- Micropropagation techniques applied to vine (*Vitis vinifera* L.). João Manuel Evaristo Duarte Martins. Agronomy Degree.
- 1993- Plant Biotechnology (COMETT-UNESUL Grant). Mrs. Sanna Tarek (Marrocan student).

3.4 Jury Participation

3.4.1 PhD and Masters Degree

- 2005- In vitro culture system for clonal propagation and genetic transformation of maritime pine (*Pinus pinaster* Aiton.)". PhD Thesis in Biotechnology - Universidade Nova de Lisboa. Portugal. Susana Isabel Lopes Claro Tereso
- 2002- Study on the application of two techniques of haploidization (*in vitro* androgénesis and *in situ* parthenogenesis) in *Prunoideae*.. PhD Thesis in Biotechnology Selection and Breeding. University of Évora. Portugal. Augusto António Vieira Peixe.
- 2003-Essays in order to optimise the induction and development of somatic embryos in *Pinus pinaster* Aiton and *Feijoa sellowiana* Berg'. Maria do Rosário Avelos Alegre Marques. Master in Biotechnology. Coimbra University. Portugal.

3.4.2 Licentiate's Degree

- 2000- Influence of calcium and mecoprobe in tomato (*Lycopersicon esculentum* Mill.) plant development. João Manuel Azedo da Silva. University of Évora, Portugal
- 1998-Saline cultures: Domestication of halophytes for obtaining leaf-vegetable crops. Cristina Isabel Marchante Rosado Orrico. University of Évora. Portugal
- 1995- *In vitro* culture of *Rosa híbrida*. José Coelho Ramos Gameiro. University of Évora. Portugal
- 1994- Micropropagation of *Strelitzia reginae* Ait.. Rosa Maria Correia Bonacho. University of Évora. Portugal
- 1993- In vitro propagation of *Poinsettia pulcherrima* Willd. Ângela Maria Mateus de Brito. University of Évora. Portugal

4 Administrative positions

2003-2005 Delegated of the Biology Department to the Commission of the Degree Course on Agricultural Engineering. University of Évora

2002-2003 Member of the Commission that prepared the restructuration of the Degree Course on Agricultural Engineering. University of Évora

2000-2001 Member of the Commission: Self-Evaluation of the Degree Course on Agricultural Engineering. University of Évora

1980-1982 Technical Secretary of the Rector's Office of the University of Rio Cuarto, Córdoba, Argentine

5 Languages

Understanding Spanish (Excellent); Portuguese (Excellent); English (Very-Good); Italian (Good).

Speaking Spanish (Excellent); Portuguese (Excellent); English (Good), Italian (Poor).

Reading Spanish (Excellent), Portuguese (Excellent); English (Excellent), Italian (Reasonably).

Writing Spanish (Very good), Portuguese (Very-Good); English (Very-Good), Italian (Poor).

6 Other skills and competences, hobbies and social networks

Computer software: Prezi, Microsoft Office, Microsoft Works, Gimp; Stellarium, SAS/STAT

ResearchGate member: https://www.researchgate.net/profile/Amely_Zavattieri/?ev=hdr_xprf

Linklin page: <pt.linkedin.com/pub/amely-zavattieri/50/948/36a>

Amateur Photographer: I'm actually preparing a book "Desolation and Beauty" that will include photographs of my travels in Patagonia with historical and scientific descriptions including National Parks, Historical sites, and curiosities. The book will be published with the economic and technical support of "Fundação Luis de Molina" (University of Évora).



Amely Zavattieri
September, 2015