

CURRICULUM VITAE

Personal Data

Full name: Marília do Rosário Gonçalves Horta Jung
Birth place and date: Olhão, 05th May 1975
Nationality: Portuguese
Status: Married (01 Son)



Institutional address: Centre for Mediterranean Bioresources and Food (MeditBio)
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[ResearchGate Profile](#)

Academic Qualifications

2007 PhD (*Doutoramento*) on Biology/Molecular Biology – University of Algarve.

2000 Graduate Degree (*Licenciatura*) on Biotechnological Engineering (5 years programme) – University of Algarve.

Previous and Current Scientific and Professional Activities

- 2014-... Collaborator of MeditBio - Centre for Mediterranean Bioresources and Food, Laboratory of Molecular Biotechnology and Phytopathology, University of Algarve (*present situation*).
- 2014-... Post-Doctoral Fellowship in the BiodivERSA project: RESIPATH - Responses of European Forests and Society to Invasive Pathogens (BIODIVERSA/0002/2012). *present situation*).
- 2013-2014 Researcher of the project "Screening of Asian oak species for potential resistance to *Phytophthora* spp." (EXPL/AGR-FOR/1304/2012).
- 2012-... Researcher of the project "An integrated approach to identify stress-related regulatory genes in cork oak" (PTDC/AGR-GPL/118505/2010) (*present situation*).
- 2010-2012 Post-Doctoral Fellowship from the Foundation for Science and Technology with the work intituled "Triangular interaction *Phytophthora cinnamomi*/Quercus suber/Pisolithus tinctorius: studies on potential protective effects of the symbiont against root infection by the pathogen and expression of host defense genes" (Ref. SFRH/BPD/63213/2009), under the scientific guidance of Professor Maria Salomé Soares Pais (BIOFIG), Dr. Mónica Guita Sebastiana (BIOFIG) and Professor Alfredo Cravador (IBB/CGB, UAIG).
- 2010 Researcher of the project "Cork Oak ESTs Consortium - Biotic stress: roots response to infection by *Phytophthora cinnamomi*" (SOBREIRO/0014/2009).
- 2009-2013 Researcher of the project "Production of active compounds against *Phytophthora cinnamomi* by *Phlomis purpurea*. Metabolite and transcript profiling (PTDC/AGR-CFL/100217/2008).
- 2009-2012 Member of "Working Group 2 - Host pathogen interactions" and "Working Group 4 - Management and Control" of COST-FPS Action FP0801 "Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe".
- 2008-2013 Member of the Research Team of Associated Laboratory IBB/CGB (Institute for Biotechnology and Bioengineering / Centre of Genomics and Biotechnology - *Plant and Animal Genomic Group*).
- 2007-2010 Researcher of the project "Identification, characterization and role of molecular factors associated with the mechanisms of infection of *Fagaceae* species by *Phytophthora cinnamomi*" (PTDC/AGR-AAM/67628/2006).
- 2006-2009 (July 2006 to December 2009) Researcher of the project "Characterization of cork and holm oaks tolerant to the decline and evaluation of biological control measures" (Program of the Permanent Forestry Fund, Area 5 – Actions of Applied Research, Demonstration and Experimentation).
- 2006-2009 Lecturer at Jean Piaget Institute / Superior School of Health of Silves. Responsible of the subjects "Pharmaceutical Botany" (academic years 2005/2006, 2006/2007 and 2008/2009) and "Pharmaceutical Biotechnology" (academic year 2006/2007) for the Master degree in Pharmacy. Responsible of the subject "Metabolism and Biochemistry of Nutrients" (academic years 2006/2007 and 2007/2008) for the Master degree in Clinical Analysis and Public Health.

- 2005 (May to September) Research Technician at the Laboratories of Cellular and Molecular Biology of the Transborder University Institute of Science, Culture and Environment (ITUCCA, *Instituto Transfronteiriço Universitário de Ciência, Cultura e Ambiente* - University of Algarve).
- 2005 Lecturer of the subject "Laboratory of Genetic Engineering" for the degree in Biotechnological Engineering at the Faculty of Engineering and Natural Resources, (University of Algarve) (academic year 2004/2005).
- 2005 (January and February) Researcher of the LEADER project "Comparative study of 2 methods of application and 3 chemical products to control the decline disease of the cork oak".
- 2004 (July to December) Researcher of the INTERREG III A (Montado/Dehesa SP4.E1) project "Development of an information system for environmental and economic management of the ecosystem *dehesa/montado* in Extremadura and Alentejo".
- 2000-2004 Doctoral Fellowship from the Foundation for Science and Technology. PhD student at the Faculty of Engineering and Natural Resources (University of Algarve), with the thesis entitled "Study of the biological role of *Phytophthora cinnamomi* elicitors and their involvement in the infectious process", under the scientific guidance of Professor Alfredo Cravador.
- 1998-2000 Young Researcher Fellowship from the Foundation for Science and Technology. Work carried out on the detection of *Phytophthora cinnamomi* directly from soil by a specific molecular method and early studies on the biological function of *P. cinnamomi* elicitors.
- 1998-1999 Research entitled "Detection of *Phytophthora cinnamomi* directly from soil by a specific molecular method", under the scientific guidance of Professor Alfredo Cravador. (Work included on the Praxxis XXI project "Study of the involvement of *Phytophthora cinnamomi* in the decline of *Quercus suber*") (Scientific research included as part of the programme to obtain the Graduate Degree on Biotechnological Engineering).
- 1997-1998 Elaboration (in work group system) of an industrial project entitled "Production of Penicillin G potassium" (industrial plan included as part of the programme to obtain the Graduate Degree on Biotechnological Engineering).
- 1993-1998 Frequency and completion of the theoretical and practical subjects of the Graduate Degree on Biotechnological Engineering.

Specialized courses:

- 2011 Phytopathology: "Recognition of Disease Symptoms, Isolation and Identification of *Phytophthora* species", IBB-CGB/University of Algarve, 25 to 29 July.
- 2011 Bioinformatics: "Automatic Functional Annotation and Data Mining", Instituto Gulbenkian de Ciência, Oeiras, 24 and 25 February (22h).
- 2009 Bioinformatics: "Microarray data analysis using GEPAS and Babelomics", Instituto Gulbenkian de Ciência, Oeiras, 06 to 08 May (22h).
- 2009 "Pedagogic Training Course for Trainers", Valor por Medida (96 h). Professional Aptitude Certificate No. 506603/2009 EDF DG, valid until 2014-07-10.

Current research interests:

Molecular aspects of host plant-pathogen interactions (*Phytophthora* – *Quercus*), non-host plant-pathogen (*Phytophthora* – *Phlomis purpurea*) and host plant-pathogen-mycorrhiza (*Phytophthora* - *Quercus* - *Pisolithus*).

Effects of compost and mycorrhizas on the relation *Phytophthora* - *Quercus*.

Epidemiology of diseases caused by *Phytophthora* spp in natural ecosystems.

Detection and description of new *Phytophthora* spp. in Europe and other continents; assessment of their potential host ranges among European tree species.

Genomic basis of aggressiveness and invasiveness of *Phytophthora* spp. and of susceptibility and resistance of tree species.

Language skills:

	Reading	Writing	Conversation
Portuguese	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
English	<i>Excellent</i>	<i>Good</i>	<i>Good</i>
French	<i>Good</i>	<i>Good</i>	<i>Good</i>
Castilian	<i>Excellent</i>	<i>Elementary</i>	<i>Good</i>

Other skills:

Informatics' knowledge (user's perspective).

Driving License No: FA-114874, DGV Faro.

Other non-scientific activities

1992-1998 Part time job on the company "AS Epaminondas, Central Hortofrutícola e Produtos de 4ª Gama". Work in the secretariat/accounting and warehouse management (purchases and sales) departments.

Publications

Dissertations

Horta, M. (2007). Study of the biological role of *Phytophthora cinnamomi* elicitors and their involvement in the infectious process. *PhD Thesis*, University of Algarve, 265 pp.

Papers in international scientific periodicals with referees

Publications, citations, *h* Index, *g* Index and *i10* Index updated on 20/10/2016.

- 11 scientific articles published in peer reviewed journals: 10 indexed to Web of Science (WoS) Core Collection and 11 indexed to Scopus.
- 40 total citations in WoS; *h* Index = 4; *g* Index = 5; *i10* Index = 0.
- 65 total citations in Scopus; *h* Index = 5; *g* Index = 7; *i10* Index = 3.
- 109 total citations in Google Scholar.

Jung, T., Horta Jung, M., Scanu, B., Seress, D., Kovács, D.M., Maia, C., Pérez-Sierra, A., Chang, T.-T., Chandelier, A., Heungens, A., van Poucke, K., Abad-Campos, P., Léon, M., Cacciola, S.O., Bakonyi, J. (2017). Six new *Phytophthora* species from ITS Clade 7a including two sexually functional heterothallic hybrid species detected in natural ecosystems in Taiwan. *Persoonia* 38: 100-135.

[DOI: 10.3767/003158517X693615](https://doi.org/10.3767/003158517X693615). WoS citations: 0. Scopus citations: 0.

Jung, T., Chang, T.-T., Bakonyi, J., Seress, D., Pérez-Sierra, A., Yang, X., Hong, C., Scanu, B., Fu, C.H., Hsueh, K.-L., Maia, C., Abad-Campos, P., Léon, M. & Horta Jung, M. (2016). Diversity of *Phytophthora* species in natural ecosystems of Taiwan and association with disease symptoms. *Plant Pathology*, in press.

[DOI: 10.1111/ppa.12564](https://doi.org/10.1111/ppa.12564). WoS citations: 0. Scopus citations: 0.

Jung, T., Orlikowski, L., Henricot, B., Abad-Campos, P., Aday, A.G., Aguin Casal, O., Bakonyi, J., Cacciola, S.O., Cech, T., Chavarriaga, D., Corcobado, T., Cravador, A., Decourcelle, T., Denton, G., Diamandis, S., Dogmus-Lehtijärvi, Franceschini, A., H.T., Ginetti, B., Glavendekić, M., Green, S., Hantula, J., Hartmann, G., Herrero, M., Ivic, D., Horta Jung, M., Lilja, A., Keca, N., Kramarets, V., Lyubenova, A., Machado, H., Magnano di San Lio, G., Mansilla Vázquez, P.J., Marçais, B., Matsiakh, I., Milenkovic, I., Moricca, S., Nagy, Z. Á., Nechwatal, J., Olsson, C., Oszako, T., Pane, A., Paplomatas, E.J., Pintos Varela, C., Prospero, S., Rial Martínez, C., Rigling, D., Robin, C., Rytönen, A., Sánchez, M.E., Sanz Ros, A.V., Scanu, B., Schlenzig, A., Schumacher, J., Slavov, S., Solla, A., Sousa, E., Stenlid, J., Talgø, V., Tomic, Z., Tsopelas, P., Vannini, A., Vettraino, A.M., Wenneker, M., Woodward, S. & Pérez-Sierra, A. (2016). Widespread *Phytophthora* infestations in European nurseries put forest, semi-natural and horticultural ecosystems at high risk of *Phytophthora* diseases. *Forest Pathology*, 46: 134–163.

[DOI: 10.1111/efp.12239](https://doi.org/10.1111/efp.12239). WoS citations: 3. Scopus citations: 7.

- Pereira-Leal, J., Abreu, I., Alabaça, C., Almeida, M., Almeida, P., Almeida, T., Amorim, M., Araújo, S., Azevedo, H., Badia, A., Batista, D., Bohn, A., Capote, T., Carrasquinho, I., Chaves, I., Coelho, A.C., Costa, M., Costa, R., Cravador, A., Egas, C., Faro, C., Fortes, A., Fortunato, A., Gaspar, M., Gonçalves, S., Graça, J., Horta, M., Inácio, V., Leitão, J., Lino-Neto, T., Marum, M., Matos, J., Mendonça, D., Miguel, A., Miguel, C., Morais-Cecílio, L., Neves, I., Nóbrega, F., Oliveira, M., Oliveira, R., Salomé Pais, M., Paiva, J., Paulo, O., Pinheiro, M., Raimundo, J., José C Ramalho, Ribeiro, A., Ribeiro, T., Rocheta, M., Rodrigues, A.I., Rodrigues, J., Saibo, N., Santo, T., Santos, A.M., Sá-Pereira, P., Sebastiana, M., Simões, F., Sobral, R., Tavares, R., Teixeira, R., Varella, C., Veloso, M.M., Ricardo, C.P. (2014). A comprehensive assessment of the transcriptome of cork oak (*Quercus suber*) through EST sequencing. *BMC Genomics*, 15:371.
[DOI:10.1186/1471-2164-15-371](https://doi.org/10.1186/1471-2164-15-371). WoS citations: 3. Scopus citations: 5.
- Oßwald, W., Fleischmann, F., Rigling, D., Coelho, A. C., Cravador, A., Diez, J., Dalio, R. J., Horta Jung, M., Pfanz, H., Robin, C., Sipos, G., Solla, A., Cech, T., Chambery, A., Diamandis, S., Hansen, E., Jung, T., Orlikowski, L. B., Parke, J., Prospero, S. and Werres, S. (2014). Strategies of attack and defence in woody plant–*Phytophthora* interactions. *Forest Pathology*, 44: 169-190.
[DOI:10.1111/efp.12096](https://doi.org/10.1111/efp.12096). WoS citations: 6. Scopus citations: 16.
- Neves, D., Caetano, P., Oliveira, J. Maia, C., Horta, M., Sousa, N., Salgado, M., Dionísio, L., Magan, N. and Cravador, A. (2014). Anti-*Phytophthora cinnamomi* activity of *Phlomis purpurea* plant and root extracts. *European Journal of Plant Pathology*, 138:835–846.
[DOI: 10.1007/s10658-013-0357-6](https://doi.org/10.1007/s10658-013-0357-6). WoS citations: 0. Scopus citations: 1.
- Maia, I., Horta, M., Cravador, A. and Medeira, C. (2012). Loss of Aggressiveness of *Phytophthora cinnamomi* (Beta-Cinnamomin Silenced Strain) in the Infection of *Castanea sativa*. *Microscopy and Microanalysis*, 18, S5, 17-18.
[DOI: 10.1017/s1431927612012743](https://doi.org/10.1017/s1431927612012743). WoS citations: 0. Scopus citations: 1.
- Coelho, A.C., Ebadzad, G., Horta, M. and Cravador, A. (2011). *Quercus suber* – *Phytophthora cinnamomi* interaction: hypothetical molecular mechanism model. *New Zealand Journal of Forestry Science*, 41S: S143-S157.
ISSN 0048-0134 (print); [ISSN 1179-5395 \(on-line\)](https://doi.org/10.1179/1179-5395). Scopus citations: 4.
- Horta, M., Caetano, P., Medeira, C., Maia, I. and Cravador, A. (2010). Involvement of the β -cinnamomin elicitor in infection and colonisation of cork oak roots by *Phytophthora cinnamomi*. *European Journal of Plant Pathology*, 127:427–436.
[DOI 10.1007/s10658-010-9609-x](https://doi.org/10.1007/s10658-010-9609-x). WoS citations: 10. Scopus citations: 11.
- Horta, M., Sousa, N., Coelho, A. C., Neves, D. and Cravador, A. (2008). In vitro and in vivo quantification of elicitor expression in *Phytophthora cinnamomi*. *Physiological and Molecular Plant Pathology*, 73: 48-57.
[DOI: 10.1016/j.pmpp.2009.02.003](https://doi.org/10.1016/j.pmpp.2009.02.003). WoS citations: 8. Scopus citations: 9.
- Coelho, A.C., Horta, M., Neves, D. and Cravador, A. (2006). Involvement of a cinnamyl alcohol dehydrogenase of *Quercus suber* in the defence response to infection by *Phytophthora cinnamomi*. *Physiological and Molecular Plant Pathology*, 69: 62-72.
[DOI:10.1016/j.pmpp.2007.01.001](https://doi.org/10.1016/j.pmpp.2007.01.001). WoS citations: 9. Scopus citations: 11.

Papers in conference proceedings

- Jung, T., Horta Jung, M., Scanu, B., Pérez-Sierra, A., Chang, T., Abad-Campos, P., León, M., Kovács, G.M., Husson, C. & Bakonyi, J. (2015) Six new *Phytophthora* species from ITS Clade 7a including two sexually functional heterothallic hybrid species detected in natural ecosystems in Taiwan. In: Sutton, W., Reeser, P.W. & Hansen, E.M. (technical coordinators), Proceedings of the seventh meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in forests and natural ecosystems. 10th-14th November 2014, Esquel, Argentina: 1.
- Horta Jung, M., Cravador, A., Maia C. & Jung T. (2015) Diversity of *Phytophthora* species in forests, forest nurseries and riparian ecosystems of Portugal. In: Sutton, W., Reeser, P.W. & Hansen, E.M. (technical coordinators), Proceedings of the seventh meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in forests and natural ecosystems. 10th-14th November 2014, Esquel, Argentina: 39.
- Jung, T., Chang, T., Pérez-Sierra, A., Hsueh, K., Fu, C., Abad-Campos, P., León, M. & Horta Jung, M. (2015) Diversity and impact of *Phytophthora* spp. in natural ecosystems of Taiwan. In: Sutton, W., Reeser, P.W. & Hansen, E.M. (technical coordinators), Proceedings of the seventh meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in forests and natural ecosystems. 10th-14th November 2014, Esquel, Argentina: 46.
- Horta Jung, M., Maia, C., Chang, T., Hsueh, K. & Jung, T. (2015) Screening of Asian oak species for potential resistance to *Phytophthora cinnamomi*. In: Sutton, W., Reeser, P.W. & Hansen, E.M. (technical coordinators), Proceedings of the seventh meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in forests and natural ecosystems. 10th-14th November 2014, Esquel, Argentina: 77.
- Oßwald, W., Fleischmann, F., Cech, T., Chambery, A., Cravador, A., Diamandis, S., Díez Casero, J., Coelho, A.C., Hansen, E., Horta Jung, M., Jung, T., Massola, N.S. Orlikowski, L.B., Prospero, S., Ptaszek, M., Rigling, D., Robin, C., Solla, A., Sipos, G., Trzewik, A. & Werres, S. (2014) How do *Phytophthora* spp. harm woody plants? In: Jung T., Brasier C.M., Sánchez M.E. & Pérez-Sierra A. (eds), Proceedings of the sixth meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in forests and natural ecosystems. 9th-14th September 2012, Cordoba, Spain: 57.
- Jung, T., Orlikowski, L., Henricot, B., Abad-Campos, P., Aday, A.G., Aguin Casal, O., Bakonyi, J., Cacciola, S.O., Cech, T., Corcobado, T., Cravador, A., Denton, G., Diamandis, S., Dogmus-Lehtijärvi, H.T., Ginetti, B., Hantula, J., Hartmann, G., Herrero, M., Lilja, A., Horta, M., Keca, N., Kramarets, V., Lyubenova, A., Machado, H., Magnano di San Lio, G., Mansilla Vázquez, P.J., Marçais, B., Matsiakh, I., Milenkovic, I., Moricca, S., Nechwatal, J., Oszako, T., Pane, A., Paplomatas, E.J., Pintos Varela, C., Rial Martínez, C., Robin, C., Rytönen, A., Sánchez, M.E., Scanu, B., Schlenzig, A., Schumacher, J., Solla, A., Sousa, E., Talgø, V., Tsopelas, P., Vannini, A., Vettraino, A.M., Wenneker, M. & Pérez-Sierra, A. (2014) Ubiquitous *Phytophthora* infestations of nurseries and plantings in Europe demonstrate major failure of plant biosecurity. In: Jung T., Brasier C.M., Sánchez M.E. & Pérez-Sierra A. (eds), Proceedings of the sixth meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in forests and natural ecosystems. 9th-14th September 2012, Cordoba, Spain: 86-88.

- Horta Jung, M., Pèrez-Sierra, A., Solla, A., Cravador, A. & Jung T. (2014) Biological pollution: *Phytophthora* species threatening forest nurseries and natural ecosystems in Portugal. In: Jung T., Brasier C.M., Sánchez M.E. & Pérez-Sierra A. (eds), Proceedings of the sixth meeting of the International Union of Forest Research Organizations (IUFRO) Working Party S07.02.09, *Phytophthoras* in forests and natural ecosystems. 9th-14th September 2012, Cordoba, Spain: 167-168.
- Neves, D., Caetano, P., Horta M., Sousa, N., Dionísio, L., Magan, N. and Cravador, A. (2007). Utilização de plantas endémicas no controlo da doença do declínio do sobreiro e da azinheira. Oral communication in the "13^o Congresso do Algarve", Lagos (Portugal), 15 to 17 November. *Book of Proceedings*, pp. 431-438.
- Moreira, A. C., Domingos, A. C., Fontes, A. M., Semedo, J., Melo, E., Machado, H., Reis, M., Horta, M. and Cravador, A. (2007). Evaluation of cork and holm oak seedling viability to *Phytophthora cinnamomi* infection treated with compost and mycorrhizae fungi. Poster communication in the "5th Meeting of the IOBC/WPRS Working Group "Integrated Protection in Oak Forests", Tiemcen (Algeria), 22-25 October. *Book of Proceedings*, pp. 73-76.
- Neves, D., Caetano, P., Horta, M., Sousa, N., Dionísio, L., Magan, N. and Cravador, A. (2007). *In vitro* activity of plant crude extracts and *in situ* protective effect of *Phlomis purpurea* against *Phytophthora cinnamomi*. Oral communication in the "Fourth IUFRO Working Party S07.02.09 on Phytophthoras in Forests and Natural Ecosystems", Monterey (Califórnia, EUA), 26 to 31 August. *Book of Proceedings*, pp. 230-245.
- Coelho, A.C., Fonseca, C., Horta, M., Neves, D. and Cravador, A. (2004). Potential involvement of a CAD (cinnamyl alcohol dehydrogenase) from *Quercus suber* in detoxification of *Phytophthora cinnamomi* toxin. Oral communication in the "Third IUFRO Working Party 07.02.09 on *Phytophthora* in Forest and Natural Ecosystems", Freising (Germany) and Innsbruck (Austria), 11 to 17 September. *Book of Proceedings*, pp. 88-91.
- Coelho, A.C., Horta, M., Neves, D. and Cravador, A. (2004). Caracterização de uma cinamil álcool desidrogenase de *Q. suber* potencialmente envolvida na desactivação de toxinas produzidas na infecção por *Phytophthora cinnamomi*. Oral communication in the "4^o Congresso da Sociedade Portuguesa de Fitopatologia", Faro (Portugal), 4 to 6 February. *Book of Proceedings*, pp. 36-40
- Horta, M., Sousa, N., Neves, D., Coelho, A.C. and Cravador, A. (2004). O silenciamento do gene da beta-cinamomina em *Phytophthora cinnamomi* não afecta a patogenicidade do micélio em *Quercus suber*. Poster communication in the "4^o Congresso da Sociedade Portuguesa de Fitopatologia", Faro, 4 to 6 February. *Book of Proceedings*, pp. 117-121.
- Sousa, N., Horta, M., Neves, D., Coelho, A.C. and Cravador, A. (2004). Clonagem e expressão da alfa-cinamomina em *Pichia pastoris*. Poster communication in the "4^o Congresso da Sociedade Portuguesa de Fitopatologia", Faro, 4 to 6 February. *Book of Proceedings*, pp. 122-126.
- Moreira, A.C., Horta, M., Coelho, A.C., Neves, D. and Cravador, A. (1999). Application of a highly specific and sensitive molecular method to identify *Phytophthora cinnamomi* in cork oak roots and forest soils. Poster communication in the "First IUFRO Working Party 07.02.09 on Phytophthoras in Forest and Wildland Ecosystems", Grant Pass (Oregon, EUA), 30 August to 03 September. *Book of Proceedings*, pp 127-131.

Communications

Oral communications in conferences

- Jung, T., Horta Jung, M., Scanu, B., Pérez-Sierra, A., Chang, T., Abad-Campos, P., León, M., Kovács, G.M., Husson, C. and Bakony, J. (2014). Six new *Phytophthora* species from ITS Clade 7a including two sexually functional heterothallic hybrid species detected in natural ecosystems in Taiwan. Oral communication in the “Seventh IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems”, Esquel, Chubut (Argentina), 10 to 14 November. *Book of Abstracts*, pp 27
- Jung, T., Chang, T., Pérez-Sierra, A., Hsueh, K., Fu, C., Abad-Campos, P., León, M. and Horta Jung, M. (2014). Diversity and impact of *Phytophthora* spp. in natural ecosystems of Taiwan. Oral communication in the “Seventh IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems”, Esquel, Chubut (Argentina), 10 to 14 November. *Book of Abstracts*, pp 67
- Horta Jung, M., Cravador, A., Maia, C. and Jung T. (2014). Diversity of *Phytophthora* species in forests, forest nurseries and riparian ecosystems of Portugal. Oral communication in the “Seventh IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems”, Esquel, Chubut (Argentina), 10 to 14 November. *Book of Abstracts*, pp 70
- Corcobado, T., Pérez, E., Krajnc, B., Martos, A., Pérez, A., Cubera, E., Nuñez, L., Horta Jung, M., Vettraino, A.M. and Solla, A. (2014). Screening *Quercus ilex* for tolerance to water stress and *Phytophthora cinnamomi*. Oral communication in the “Seventh IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems”, Esquel, Chubut (Argentina), 10 to 14 November. *Book of Abstracts*, pp 115
- Horta Jung, M., Maia, C., Chang, T., Hsueh, K. and Jung, T. (2014). Screening of Asian oak species for potential resistance to *Phytophthora cinnamomi*. Oral communication in the “Seventh IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems”, Esquel, Chubut (Argentina), 10 to 14 November. *Book of Abstracts*, pp 120
- Neves, D., Maia, C., Durães, S., Horta, M., Holdenrieder, O. and Cravador A. (2014). Searching for *Phlomis purpurea* metabolites with anti-*Phytophthora cinnamomi* activity. Oral communication in the “Seventh IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems”, Esquel, Chubut (Argentina), 10 to 14 November. *Book of Abstracts*, pp 133
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Posters in conferences

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- Horta, M., Coelho, A.C. and Cravador, A. (2011). Preliminary GO annotation of the transcriptomes of *Quercus suber* roots infected and non-infected with *Phytophthora cinnamomi* zoospores. Poster communication in the Workshop “Present and Future of Cork Oak in Portugal”, Oeiras (Portugal), 21st October. *Book of Abstracts*, pp 67-68
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- Caetano, P., Horta, M., Neves, D. and Cravador, A. (2010). The use of compost to control *Phytophthora cinnamomi* in cork and holm oak seedlings. Poster communication in the “Fifth IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems”, Rotorua (New Zealand), 07 to 12 March. *Book of Abstracts*, pp. 84.

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- Ebadzad, G., Coelho, A.C., Horta, M. and Cravador, A. (2009). cDNA-AFLP analysis of differential gene expression in cork oak roots in response to *Phytophthora cinnamomi*. Poster communication in the “8th Plant GEM - Plant Genomics European Meeting”, Lisbon (Portugal), 07 to 10 October. *Book of Abstracts*, pp. 81.
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- Horta, M., Coelho, A.C., Sousa, N., Neves, D. and Cravador, A. (2003). Silencing expression of *Phytophthora cinnamomi* elicitors. Does it impair the pathogen ability to infect *Quercus suber* roots? Poster communication in the “XI International Congress on Molecular Plant-Microbe Interactions”, Saint Petersburg (Russia), 18 to 26 July. *Book of Abstracts*, pp. 200.
- Coelho, A.C., Decrem, Y., Horta, M., Neves, D., Heinderyckx, M., Godfroid, E., Bollen, A. and Cravador, A. (2002). Isolation and characterization of a cationic peroxidase cDNA isolated from roots of *Quercus suber*. Poster communication in the “XIII Congresso Nacional de Bioquímica”, Lisbon, 5 to 7 December. *Book of Abstracts*, pp. 58.
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- Coelho, A.C., Heinderyckx, M., Neves, D., Horta, M., Decrem, Y., Godfroid, E., Bollen, A. and Cravador, A. (2002). Cloning and sequencing of a PDI-like protein cDNA from *Quercus suber* possibly involved in response to infection by *Phytophthora cinnamomi*. Poster communication in the “1st Plant Genomics European Meeting”, Berlin (Germany), 29 September to 02 October. *Book of Abstracts*, pp. 112.

Seminars and Lectures

Coelho, A.C. & Horta, M. "The decline disease in cork oak". Seminar included on the subject "Microbial Biology II" of the Master in Molecular and Microbial Biology, University of Algarve (Faculty of Marine and Environmental Sciences), 16th January 2008.

Horta, M. "Biomolecular studies in *Phytophthora cinnamomi*, one of the most aggressive plant pathogens". Seminar included on the subject "Introduction to Biologic Engineering" of the Master in Biologic Engineering of the University of Algarve (Faculty of Engineering and Natural Resources), 29th November 2007.

Participation in Conferences and other Scientific Meetings

- Seventh IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems", Esquel, Chubut (Argentina), 10 to 14 November 2014.
- Sixth IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems, Córdoba and Valencia (Spain), 09 to 14 September 2012.
- Sixth COST-Action FP0801 Meeting on Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe", Budapest (Hungary), 21-22 November 2011.
- Workshop "Present and Future of Cork Oak in Portugal", Oeiras (Portugal), 21st October 2011.
- II Reunión Científica de Sanidad Forestal - Sociedad Española de Ciencias Forestales", Plasencia (Spain), 21-22 September 2011.
- Fifth COST-Action FP0801 Meeting on Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe", Viterbo (Italy), 28 to 30 June 2010.
- Fifth IUFRO Working Party S07.02.09 on *Phytophthoras* in Forests and Natural Ecosystems, Rotorua (New Zealand), 07 to 12 March 2010.
- 3rd Working Groups Meeting (WG1. Invasive Potential and Ecology and WG2. Host-Pathogen Interactions) of the COST-FPS Action FP0801 (Established and Emerging *Phytophthora*: Increasing Threats to Woodland and Forest Ecosystems in Europe), Brussels, 5 and 6 November 2009.
- 8th Plant GEM - Plant Genomics European Meeting, Lisbon, 07 to 10 October 2009.
- 2nd Working Groups Meeting (WG3. Diagnostics and WG4. Management and Control) of the COST-FPS Action FP0801 (Established and Emerging *Phytophthora*: Increasing Threats to

Woodland and Forest Ecosystems in Europe), Faro, 10 to 12 September 2009 (member of the Organizing Committee).

- 1st Scientific Meeting of the Institute for Biotechnology and Bioengineering, Faro, 15 and 16 May 2009.
- 1º Encontro da Plataforma de Genómica Funcional de Plantas, Faro, 12 and 13 July 2007.
- I Congresso "Sustentabilidades e Ruralidades – O Montado de Azinho", Évora, 19 to 21 January 2007.
- Seminar "A vitalidade dos povoamentos de sobreiro e azinheira". Évora, 25 and 26 October 2006.
- Third IUFRO Working Party 07.02.09 on *Phytophthora* in Forest and Natural Ecosystems, Freising and Innsbruck, 11 to 17 September 2004.
- 4º Congresso da Sociedade Portuguesa de Fitopatologia. Faro, 4 to 6 February 2004
- XI International Congress on Molecular Plant-Microbe Interactions, Saint Petersburg, 18 to 26 July 2003.
- XIII Congresso Nacional de Bioquímica, Lisbon, 5 to 7 December 2002
- I Jornadas de Engenharia Biotecnológica. Faro, 1 to 3 March 2000.
- Conference "Controlo Biológico das Doenças de Solo" by Prof. Harry A.J. Hoitink (Ohio State University). Faro, 9 and 10 February 2000.
- "First IUFRO Working Party 07.02.09 on *Phytophthoras* in Forest and Wildland Ecosystems", Grant Pass (Oregon, EUA), 30 August to 03 September 1999.
- "Biotec 94 – II Congresso Ibérico de Biotecnologia". Vilamoura (Portugal), 1 to 4 October 1994.

Faro, 21st October 2016

Mariliz Horta Jung