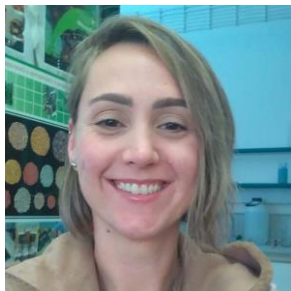


CURRICULUM VITAE

(last update January 2023)

**Personal information****Name:** Carla Ragonezi**Date of Birth:** 29/09/2022**Citizenship:** Portuguese/Brazilian

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📍 Estrada Dr. João Abel de Freitas 77, 4D, São Roque, Funchal. 9020-158, PT.

🌐 [linkedin.com/in/carla-ragonezi-94b02a51/](https://www.linkedin.com/in/carla-ragonezi-94b02a51/)📄 [researchgate.net/profile/Carla_Ragonezi](https://www.researchgate.net/profile/Carla_Ragonezi)🆔 orcid.org/0000-0002-1822-5473SC scopus.com/authid/detail.uri?authorId=36460033800P webofscience.com/wos/author/record/AAF-4418-2020📄 cienciavitae.pt/FC12-D3F0-EF3D**Biography**

Carla Ragonezi graduated in Biological Sciences (Brazil, 2006), and a Ph.D. in Biology from the University of Évora in Portugal (2013). Currently works in a post-doc position in ISOplexis Center from Madeira University, Portugal. Coming from a strong background in Biology and Environmental Sciences operates in the area, with an emphasis on agricultural and environmental biotechnology, plant breeding, and plant-fungus interaction studies. During professional activities interacted with different collaborators, participated in different scientific events, and guided the students from graduation and master's students. Interests: agri-food; food crops; agricultural practices; sustainable agriculture; soil microbiological diversity; plant microorganisms' interactions. Since 2020, a full member of the CITAB - Centre for the Research and Technology of Agro-Environmental and Biological Sciences, UTAD.

Academic qualifications**2013 - Ph.D. in Biological Sciences**

University of Évora - Évora, Portugal (classification: approved with distinction and commendation - score: 18 in 20).

2006 - Bachelor's in biology

Pontifícia Universidade Católica de Minas Gerais - MG, Brazil (average score: 16 in 20).

Affiliations

- **ISOplexis** - Centre of Sustainable Agriculture and Food Technology, University of Madeira - Madeira, Portugal.
- **CITAB** - Centre for the Research and Technology of Agro-Environmental and Biological Sciences, University of Trás-os-Montes and Alto Douro - Vila Real, Portugal.

Current Position

- **January 2023 - Current:** Auxiliar investigator from the ISOplexis - Centre of Sustainable Agriculture and Food Technology, University of Madeira - Madeira, Portugal.

Citation indexes**Scopus**

- Publications: 29
- H-index: 8
- Total citations: 223

Publons

- Publications: 36
- H-index: 8
- Total citations: 211
- Reviews: 20

Google Scholar Profiles

- Citations: 367
- H-index: 12

Research Gate

- Publications: 49
- H-index: 9
- Citations: 308
- Research interest: 262.3

PublicationsScientific Articles

- **Ragonezi C**, Nóbrega H, Leite MI, Freitas JGRd, Macedo FL, Pinheiro de Carvalho MAA. **2023**. Distribution of Genetic Diversity in *Beta patula* Aiton Populations from Madeira Archipelago, Portugal. *Agriculture*, 13(1):27 (IF:3.408). <https://doi.org/10.3390/agriculture13010027>.
- Pinheiro de Carvalho MAA, **Ragonezi C**, Oliveira C, Reis F, de Macedo FL, Freitas JG, Nóbrega H, Ganança F. **2022**. Anticipating the Climate Change Impacts on Madeira's Agriculture: The Characterization and Monitoring of a Vine Agrosystem. *Agronomy*, 12(9), 2201 (IF:3.949). <https://doi.org/10.3390/agronomy12092201>.
- **Ragonezi C**, Nunes, N, Oliveira C, Freitas JG, Ganança F, Pinheiro de Carvalho MAA. **2022**. Sewage sludge fertilization - A case study of Sweet Potato yield and heavy metal accumulation. *Agronomy*, 12(8), 1902 (IF:3.949). <https://doi.org/10.3390/agronomy12081902>.
- da Costa LS, Graziotti PH, Fonseca AJ, dos Santos Avelar DC, Rossi MJ, de Barros Silva E, da Costa ECS, Graziotti DCFS, **Ragonezi C**. **2022**. Eucalyptus field growth and colonization of clones pre-inoculated with ectomycorrhizal fungi. *Agronomy*, 12 (5), 1204 (IF:3.949). <https://doi.org/10.3390/agronomy12081902>.
- Ascarini F, Nóbrega H, Leite I, Freitas G, **Ragonezi C**, Zavattieri MA, Pinheiro de Carvalho MAA. **2021**. Assessing the diversity of sea beet (*Beta vulgaris* L. ssp. *maritima*) populations. *Journal of Agricultural Science and Technology*, 23(3): 685-698 (IF: 1.21). <http://jast.modares.ac.ir/article-23-40305-en.html>.
- Andrade CG, Silva EM, **Ragonezi C**, Pinheiro de Carvalho MAA. **2021**. Viral diagnosis in cultivars of *Ipomoea batatas* (L.) Lam. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 49(1):12222. (IF: 1.249). <https://doi.org/10.15835/nbha49112222>.
- Nunes, N, **Ragonezi C**, Gouveia C, Pinheiro de Carvalho MAA. **2021**. The future of sewage sludge in agronomy: a heavy metal perspective. *Sustainability* 13(4):2317. (IF: 3.889). <https://doi.org/10.3390/su13042317>.
- Nóbrega H, Freitas G, Zavattieri MA, **Ragonezi C**, Frese L, Pinheiro de Carvalho MAA. **2021**. Structure and floristic composition associated with an endangered species *Beta patula* Aiton (Amaranthaceae) in the islands of Madeira Archipelago. *Biodiversity Data Journal* 9: e61091. (IF: 1.8). <https://doi.org/10.3897/BDJ.9.e61091>.
- Nóbrega H, Freitas G, Zavattieri MA, **Ragonezi C**, Frese L, Pinheiro de Carvalho MAA. **2020**. Monitoring system and in situ conservation of endemic and threatened *Beta patula* Aiton populations in Madeira Region. *Genetic Resources and Crop Evolution*. 68, 939-956. (IF:1.524). <https://doi.org/10.1007/s10722-020-01035-x>.
- de Macedo FL, **Ragonezi C**, Pinheiro de Carvalho MAA, **2020**. Zoneamento agroclimático da cultura da videira para a ilha da madeira - Portugal. *Caminhos De Geografia* 21(73), 296-306. <https://doi.org/10.14393/RCG217349287>
- Pinheiro de Carvalho MAA, **Ragonezi C**, de Macedo FL, Antunes G, Freitas G, Nóbrega H. **2019**. Contribution to the knowledge of agrodiversity in the county of Santa Cruz, Madeira. *Revista de Ciências Agrárias* 42(3), 575-605. <https://doi.org/10.19084/rca.16658>.
- Castro MR, **Ragonezi C**, Oliveira P, Zavattieri A. **2019**. Novelty system for biotization of plant microshoots and collection of natural compounds. *Methods and Protocols* 2, 5. <https://doi.org/10.3390/mps2010005>.
- Ferraz S, **Ragonezi C**, Nunes N, Valente S, Pinheiro de Carvalho MAA. **2019**. Different seaweeds use for iodine deficiency overcome. *Biomedical Journal of Scientific & Technical Research* 15(3). MS.ID.002710. <http://dx.doi.org/10.26717/BJSTR.2019.15.002710>.
- Silva AC, Barbosa MS, Barral UM, Silva BPC, Fernandes JSC, Viana AJS, Filho CVM, Bispo DFA, Christofaro C, **Ragonezi C**, Guilherme LRG. **2019**. Organic matter composition and paleoclimatic changes in tropical mountain peatlands currently under grasslands and forest clusters. *CATENA*, 180, 69-82. (IF: 6.367). <https://doi.org/10.1016/j.catena.2019.04.017>.
- **Ragonezi C**, Zavattieri MA. **2018**. Histological studies of mycorrhized roots and mycorrhizal-like structures in pine roots. *Methods and Protocols*. 1, 34. <https://doi.org/10.3390/mps1030034>.
- Graziotti D, Graziotti P, **Ragonezi C**, Silva A, Pereira I, Silva E. **2017**. Microbiological attributes of soil under spontaneous restoration. *Floresta e Ambiente*, 24. <http://dx.doi.org/10.1590/2179-8087.006916>.
- Nobre T, **Ragonezi C**, Arnholdt-Schmitt B. **2017**. Unravelling wild carrot differentiation in Europe – preliminary data on a candidate gene approach. *Acta Horticulturae*. 1153, 279-286. <https://doi.org/10.17660/ActaHortic.2017.1153.41>

- Zavattieri MA, **Ragonezi C**, Klimaszewska K. **2016**. Adventitious rooting of conifers: influence of biological factors. *Trees* 30 (4), 1021-1032. (IF: 2.529). <https://doi.org/10.1007/s00468-016-1412-7>.
- Velada I, Cardoso HG, **Ragonezi C**, Nogales A, Ferreira A, Valadas V, Arnholdt-Schmitt B. **2016**. Alternative oxidase gene family in *Hypericum perforatum* L.: characterization and expression at the post-germinative phase. *Frontiers in plant science*, 7, 1043. (IF: 4.298). <https://doi.org/10.3389/fpls.2016.01043>
- Costa HAO, Stürmer SL, **Ragonezi C**, Graziotti PH, Graziotti DCFS, Silva EDB. **2016**. Species richness and root colonization of arbuscular mycorrhizal fungi in *Syngonanthus elegans*, an endemic and threatened species from the Cerrado domain in Brazil. *Ciência e Agrotecnologia*, 40(3), 326-336. <https://doi.org/10.1590/1413-70542016403046815>.
- Gandini AMM, Graziotti PH, Rossi MJ, Graziotti DCFS, Gandini EMM, Silva EDB, **Ragonezi C**. **2015**. Growth and nutrition of eucalypt rooted cuttings promoted by ectomycorrhizal fungi in commercial nurseries. *Revista Brasileira de Ciência do Solo*, 39(6), 1554-1565. (IF:1.566). <https://doi.org/10.1590/01000683rbcs20150075>.
- Nogales A, Nobre T, Valadas V, **Ragonezi C**, Döring M, Polidoros, Arnholdt-Schmitt B. **2015**. Can functional hologenomics aid tackling current challenges in plant breeding? *Briefings on Functional Genomics* 15(4), 288-297. (IF: 4.840). <https://doi.org/10.1093/bfpg/elv030>.
- Velada I, **Ragonezi C**, Arnholdt-Schmitt B, Cardoso H. 2014. Reference Genes Selection and Normalization of Oxidative Stress Responsive Genes upon Different Temperature Stress Conditions in *Hypericum perforatum* L. *PloS one*, 9(12), e115206. <https://doi.org/10.1371/journal.pone.0115206>.
- **Ragonezi C**, Teixeira D, Caldeira AT, Martins MDR, Santos-Silva C, Ganhão E, Zavattieri MA **2014**. O-coumaric acid ester, a potential early signaling molecule in *Pinus pinea* and *Pisolithus arhizus* symbiosis established in vitro. *Journal of Plant Interactions*, 9 (1), 297-305. (IF: 4.208). <http://dx.doi.org/10.1080/17429145.2013.831489>.
- **Ragonezi C**, Caldeira AT, Martins MR, Salvador C, Santos-Silva C, Ganhão E, Klimaszewska K, Zavattieri MA **2013**. A molecular approach to characterize ectomycorrhizae fungi from Mediterranean pine stands in Portugal. *Brazilian Journal of Microbiology* 44 (2), 657-665. (IF: 2.476). <https://doi.org/10.1590/S1517-83822013005000035>.
- **Ragonezi C**, Caldeira AT, Martins MR, Dias LS, Santos-Silva C, Ganhão E, Miralto O, Zavattieri MA. **2012**. *Pisolithus arhizus* (Scop.) Rauschert improves the growth of adventitious roots and acclimatization of *in vitro* regenerated plantlets of *Pinus pinea* L. *Propagation of Ornamental Plants* 12 (3), 139-147. (IF: 0.281). <https://www.journal-pop.org/search.php?s=ragonezi>.
- **Ragonezi C**, Caldeira AT, Martins MR, Klimaszewska K, Santos-Silva C, Peixe A, Ganhão E, Miralto O, Louro R, Zavattieri MA. **2011**. Biotization of the mediterranean stone pine (*Pinus pinea* L.). *Current Opinion in Biotechnology*, 22 (1), S46. (IF: 10.279). <http://dx.doi.org/10.1016/j.copbio.2011.05.118>.
- **Ragonezi C**, Klimaszewska K, Castro MR, Lima M, de Oliveira P, Zavattieri MA. **2010**. Adventitious rooting of conifers: influence of physical and chemical factors. *Trees*, 24(6), 975-992. (IF: 2.529). <https://doi.org/10.1007/s00468-010-0488-8>.

Book chapters

- **Ragonezi C**, Arnholdt-Schmitt B. **2017**. Laser-capture microdissection for amplification of alternative oxidase (AOX) genes in target tissues in *Daucus carota* L. In: Jagadis Gupta Kapuganti. (Org.). *Plant Respiration and Internal Oxygen*. 1^{ed}. Humana New York, NY.
- Arnholdt-Schmitt B, **Ragonezi C**, Cardoso H. **2016**. Do mitochondria play a central role in stress-induced somatic embryogenesis? *In vitro Embryogenesis in Higher Plants*, 87-100.
- Nogales A, Noceda C, **Ragonezi C**, Cardoso HG, Campos MD, Frederico AM, Sircar D, Kumar SR, Polidoros A, Peixe A, Arnholdt-Schmitt B. **2015**. Functional marker development from AOX genes requires deep phenotyping and individualized diagnosis. In: Kapuganti Jagadis Gupta, Luis A.J. Mur, Bhagyalakshmi Neelwarne. (Org.). *Functional marker development from AOX genes requires deep phenotyping and individualized diagnosis*. 1^{ed}. Chichester: John Wiley & Sons, Ltd, 2015, 273-280.

Thesis

- **Ragonezi C**. 2013. *In vitro* plantlet regeneration from mature zygotic embryos of *Pinus pinea* L.: overcoming the rooting problems. Ph.D. thesis, University of Évora - Évora, Portugal.
- **Ragonezi C**. 2005. *Cultura de tecidos vegetais - metodologia e aplicações*. Graduation thesis, *Universidade Federal de Minas Gerais* - MG, Brazil.

Published sequences - NCBI

- Oliveira MCO, **Ragonezi C**, Freitas JGR, Carvalho MAA. **2018**. *Trichoderma harzianum* isolate MadT1 small subunit ribosomal RNA gene, partial sequence.
- Velada I, **Ragonezi C**, Valadas V, Arnholdt-Schmitt B, Cardoso HCG. **2014**. *Hypericum perforatum* isolate 3 beta-tubulin gene, partial cds
- Velada I, **Ragonezi C**, Valadas V, Arnholdt-Schmitt B, Cardoso HCG. **2014**. *Hypericum perforatum* isolate 2 beta-tubulin gene, partial cds
- Velada I, **Ragonezi C**, Valadas V, Arnholdt-Schmitt B, Cardoso HCG. **2014**. *Hypericum perforatum* isolate 1 beta-tubulin gene, partial cds.
- **Ragonezi C**, Caldeira AT, 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.
- **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.

Technical report

- Santos D, Miguens F, Dinis I, **Ragonezi C**, Oliveira C, de Macedo F, Freitas G, Carvalho MAA, Rodrigues E, Assunção P, Simões P, Oliveira V. **2021**. *Guia de Boas Práticas Agrícolas para a Produção Biológica da Madeira*. Ed. New Organic Planet.
- **Ragonezi, C**. **2020**. Revision and translation from Portuguese to English of TECA - Technologies and Practices for Small Agricultural Producers to the Food and Agriculture Organization of the United Nations – FAO (10 in total in various topics).

Previous Positions

- **December 2019 – December 2022**: Individual Post-doc grant from ARDITI - *Agência Regional para o Desenvolvimento da Investigação, Tecnologia e Inovação*, developed in the ISOPlexis Center, University of Madeira - Madeira, Portugal.
- **December 2017 - November 2019**: Post-doc in the position: CEMAP, Characterization, Evaluation, and Monitoring of Agrosystems Productivity in the ISOPlexis Center at the University of Madeira - Madeira, Portugal.
- **August - November 2017**: Collaborator in the Laboratory of Applied Microbiology at *Universidade Federal de Minas Gerais* - MG, Brazil.
- **July - September 2016**: Post-doc at Laboratory of Genesis and Soil Classification in *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.
- **November 2014 - 2016**: Post-doc at Laboratory of Soil Microbiology in *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.
- **November 2014 - 2016**: Post-doc at Laboratory of Soil Microbiology in *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.
- **June 2013 - 2014**: Researcher and integrated eligible member of Instituto de Ciências Agrárias e Ambientais Mediterrânicas (ICAAM), University of Évora - Évora, Portugal.
- **September - November 2014**: Coordinator of the research project in Laser Microdissection. EU Marie Curie Chair, ICAAM, University of Évora - Évora, Portugal.
- **January 2013 - December 2013**: Research fellow in the project: Exploring a novel functional marker candidate for efficient somatic embryogenesis in *Daucus carota* L. University of Évora - Évora, Portugal.
- **January 2008 - December 2012**: Ph.D. fellow, University of Évora - Évora, Portugal.
- **July - December 2006**: Research fellow in *Phoneutria Biotecnologia e Serviços Ltda* - MG, Brazil.
- **March 2005 - July 2007**: Internship of final course monograph, Laboratory of Microorganism-Plant Interaction. *Universidade Federal de Minas Gerais* - MG, Brazil.

Funding and fellowships

SHORT CURRICULUM VITAE

- **December 2019 – December 2022:** Individual Post-doc grant from ARDITI - *Agência Regional para o Desenvolvimento da Investigação, Tecnologia e Inovação*, developed in the ISOplexis Center, University of Madeira - Madeira, Portugal.
- **February 2018 - November 2019:** Post-doc grant in *agrobiodiversidade e da sustentabilidade dos agrossistemas nos novos cenários climáticos* from Fundo Europeu de Desenvolvimento Regional - FEDER, Portugal.
- **July - August 2016:** Post-doc grant from *Coordenação de Aperfeiçoamento de Pessoal de Nível Superior* - CAPES, Brazil.
- **November 2014 - January 2016:** Post-doc grant from *Coordenação de Aperfeiçoamento de Pessoal de Nível Superior* - CAPES, Brazil.
- **July - August 2014:** Marie Curie hosted a fellowship for knowledge transfer in industry-academia partnerships and pathways. INOQ GmbH, Solkau 229465, Schnega - Germany.
- **January 2013 - December 2013:** Technical Research scholarship from *Fundação para a Ciência e a Tecnologia* - FCT, Portugal.
- **January 2008 - December 2012:** Ph.D. fellowship from *Fundação para a Ciência e a Tecnologia* - FCT, Portugal.
- **July - December 2006:** Fellowship in industrial technology development from *Fundação de Amparo e Pesquisa de Minas Gerais* - FAPEMIG, Brazil.

Projects

Research

- **January 2023 - Current:** Team member of the project Agrosus: Agroecological approaches for sustainable weed management. HORIZON RIA - 101084084. ISOplexis Center, University of Madeira - Madeira, Portugal. Funding: € 4.999,863.75.
- **November 2020 - Current:** Team member of the project Madeira-Opuntias: *Implementação de um Plano de Ação para a Cultura da Tabaibeira (Opuntia ficus-indica) na Região Autónoma da Madeira (RAM), visando a recuperação e preservação da cultura, e valorização de produtos da tabaibeira para comercialização no mercado regional*, PRODERAM20-16.2.2-FEADER-01530. ISOplexis Center, University of Madeira - Madeira, Portugal. Funding: € 213,404.93.
- **September 2020 - Current:** Team member of the project FORWARD Fostering research excellence in EU Outermost Regions. Horizonte 2020. ISOplexis Center, University of Madeira - Madeira, Portugal. URL: <https://forward-h2020.eu/>. Funding: € 824,550.
- **September 2019 - Current:** Team member of the project FRUTTMAC: *Transferencia de I+D+i para el desarrollo sostenible de frutales tropicales en la Macaronesia*, MAC2/1.1b/310. ISOplexis Center, University of Madeira - Madeira, Portugal. Funding: € 1.674,620.10.
- **September 2019 - Current:** Team member of the project CUARENTAGRI: *Investigación, identificación, análisis de riesgo, formación y sensibilización sobre potenciales plagas de cuarentena y plagas reguladas no de cuarentena en los principales cultivos de las regiones de estudio*, MAC2/1.1a/231. ISOplexis Center, University of Madeira - Madeira, Portugal. Funding € 1.353,479.48.
- **December 2019 – December 2022:** Individual Post-doc project titled Study of Madeira Annona: Characterization of regional varieties and assessment of their valorization potential from ARDITI - *Agência Regional para o Desenvolvimento da Investigação, Tecnologia e Inovação*, developed in the ISOplexis Center at University of Madeira - Madeira, Portugal. Individual funding € 75,870.00.
- **February 2018 – December 2022:** Team member of the project CASBio: Evaluation and monitoring of Agrobiodiversity and Sustainability of Agrosystems in the new climatic scenarios, M1420-01-0145-FEDER-000011. ISOplexis Center, University of Madeira - Madeira, Portugal. Funding € 996,060.00.
- **April 2018 - September 2021:** Team member of the joint project (University + Company) PROBIOMADEIRA - Evaluation of soil and climatic conditions in Madeira Island for the development of biological horticulture. ISOplexis Center, University of Madeira and New Organic Planet - Madeira, Portugal. Funding € 698,580.07.
- **July 2016 - January 2017:** Team member of the project Isotopic and lignocellulosic composition of vegetation and soil organic matter of a tropical peatland. Laboratory of Genesis and Soil Classification in *Universidade Federal dos Vales do Jequitinhonha e Mucuri* -MG, Brazil.

SHORT CURRICULUM VITAE

- **January 2015 - January 2016:** Team member of the project Inoculant ectomycorrhizal for commercial eucalyptus nurseries. Laboratory of Soil Microbiology - *Universidade Federal dos Vales do Jequitinhonha e Mucuri* -MG, Brazil.
- **March-May 2014:** Team member of the project Understanding symbiotic diversity: a candidate gene approach – Sym’s gene. EU Marie Curie Chair group, University of Évora - Évora, Portugal.
- **2014:** Team member of the project Applying a novel screening tool (calorespirometry) for efficient identification of genetic variability towards yield stability in wheat and other genetic resources related to temperature responsiveness and/or drought, EU Marie Curie Chair group, University of Évora - Évora, Portugal.
- **2014:** Team member of the project Deep phenotyping by AOX expression studies in carrot and olive, EU Marie Curie Chair group, University of Évora - Évora, Portugal.
- **May 2013 - December 2014:** Project Team member Exploring a novel functional marker candidate for efficient somatic embryogenesis in *Daucus carota*. PTDC/EBB-BIO/099268/2008. University of Évora - Évora, Portugal. Funding € 140,000.00.
- **May 2013 - February 2014:** Team member of the project Characterization of alternative oxidase (AOX) polymorphisms in *Hypericum perforatum* L. - A novel approach to advance breeding on yield stability in a medicinal plant. PTDC/AGR-GPL/099263/2008. University of Évora - Évora, Portugal. Funding € 135 045,00.
- **September 2007 - December 2010:** Team member of the project Analysis and mastering of root growth signalling by ectomycorrhizal fungi on *Pinus pinea* microshoot cultures. PTDC/AGR-CFL/71437/2006. University of Évora - Évora, Portugal. Funding € 138,387.00.
- **July 2006 - December 2006:** Research fellow of the project *Desenvolvimento de biorreatores para a produção de mudas de interesse comercial produção em larga escala de oleaginosas para o mercado de biodiesel*. *Phoneutria Biotecnologia e Serviços Ltda* - MG, Brazil.
- **March 2005 - June 2006:** Team member of the project *Recuperação da Mata Ciliar da Bacia do Rio das Velhas*. *Universidade Federal de Minas Gerais* - MG, Brazil.

Product development

- **January 2023 - Current:** Team member of the project TestBed Lavoisier. The main objective is the development of products and services for the market which has already had a previous innovation process up to TRL4. It is reinforced that the objective is to reach, in September 2025, at least 100 new products and services close to the market entry. PRR (National Recovery and Resilience Plan).

Extension/educational

- **January 2023 - Current:** Team member of the project *Com as ãos na terra*. It is a socio-educational project involving local residents with students and professors from the University to cultivate and manage a shared and convivial vegetable garden. It is a way of opening the public space of the campus to the neighborhood and a means of sharing knowledge and experiences, facilitating the connection between the campus and the surrounding urban fabric.

Protocol development

- **2014:** Establishing laser microdissection as a tool for molecular biology research - empowering new strategies for developing functional markers. Coordinator. ICAAM. University of Évora, Portugal.

Tech production

Patent

- Castro MR, **Ragonezi C**, Oliveira P, Zavattieri MA. **2010**. *Sistema e método de cultura de plantas in vitro para análise de metabolitos libertados pelo sistema radicular*. PI105239, *Instituto Nacional da Propriedade Industrial - INPI*, Portugal.

Biocoating

- **January de 2022 - Current:** Application of biodegradable coatings to optimize the post-harvest stage of custard apple fruits. Status: a preliminary application has already been carried out and new tests are planned for the months of fruit collection (October 2022 and March 2023).

Seedbeds

- **June 2021 - Current:** the creation of biodegradable seedbeds from agricultural waste from RAM, mainly bananas and vines. Status: prototype created, and field tests already started.

Mentoring skills

- **June 2021 - current** – Mentorship of BioReboot, a Startup company focused on reusing agricultural waste from the largest productions in the Madeira archipelago and creating biodegradable and compostable seedbeds, based on the circular bioeconomy, sustainability, and the transition to reduce the use of disposable plastics in the sector of Agriculture. BioReboot was born from the StartNOW 2020 idea acceleration contest through StartUP Madeira, in which it is the sacred winner of the edition. Since then, it has been selected to represent the region in different competitions in the area and is constantly seeking investment and smart money.
 - **2023 - EIC Accelerator:** The program supports individual Small and Medium Enterprises (SMEs), in particular, Startups and spinout companies to develop and scale up game-changing innovations.
 - **2022 - HiSeedTech:** BioReboot was selected to participate in HiSeedTech, a program of initiatives aimed at supporting the commercialization of technologies developed from scientific research results and providing skills to participants in technology commercialization. The follow-on initiative to HiTech aims to support participating teams in further developing the business case and start the procurement of funding from dilutive sources (e.g., venture capital) or non-dilutive sources (e.g. European funding) to further develop the project (<https://hiseedtech.com/programs/hitech>).
 - **2022 - EIT Jumpstarter:** BioReboot was selected to participate in EIT Jumpstarter an award-winning pre-accelerator program for innovators in seven thematic fields. The program contributes to boosting innovation and entrepreneurship within Central-Eastern and Southern Europe by validating innovative solutions which break down boundaries between science and technology, art, culture, and social inclusion (<https://eitjumpstarter.eu/>).

Complementary training

- **September 2021** - EIT Food Skills for new product development in the food industry. Online. 13-17th September 2021, 35h.
- **January 2021** - Advanced Course: Hands-on Functional Diversity: from Ecological Indicators to Ecosystem Services. Online. 18-22th January 2021, Centre for Ecology, Evolution, and Environmental Changes, FCUL, 36h.
- **July 2019** - Short Course: Sustainability of Agriculture & Food Production by Ph.D., P. Eng. John Wolodko 9-12th July 2019. Madeira - Portugal, 12h.
- **October 2017** – IV Microbiology Symposium October 2nd and 3rd, 2017 organized by Microbiology Department, *Universidade Federal de Minas Gerais* - MG, Brazil.
- **March 2017** - Course on Forensic Metagenomics, February 16th, 2017, organized by Bioinformatics Department, *Universidade Federal de Minas Gerais* - MG, Brazil.
- **October 2014** - Course on experimental design and statistical data analysis: applications in R-software for endophyte-related data, October 20 - 24th 2014. EU COST FA1103 Training School. University of Évora, Évora, Portugal.
- **June 2013** - Short Course on Flow cytometry with plant cells, June 12 - 13th 2013, in *Universidade de Extremadura*, Badajoz, Spain.
- **April 2013** - Short Course on Molecular Biotechnology, 29th April - 3rd May 2013, under the coordination of Dr. Bernard Glick from the University of Waterloo, Canada. *Instituto de Ciências Agrárias e Ambientais Mediterrâneas* - ICAAM. University of Évora, Portugal.
- **August 2013** - Short Course on Laser Microdissection - techniques and applications. Carl Zeiss Microscopy GmbH, ZEISS, Munich, Germany.
- **July 2013** - Short Course on Laser Microdissection - techniques and applications. Fondazione Filarete of Milan, Milan, Italy.

Other skills

Teaching experience

- **December 2022 - February 2023:** visiting guest professor of the discipline Molecular Methods of the Applied Biology Master's program. Total of 8 hours. *Faculdade de Ciências da Vida*, University of Madeira - Madeira, Portugal.

SHORT CURRICULUM VITAE

- **February - July 2022:** visiting guest professor of the Final Internship of the Professional Technician Course in Organic Farming as a supervisor. Total of 48 hours. *Escola Superior de Tecnologias e Gestão*, University of Madeira - Madeira, Portugal.
- **November 2021 - February 2022:** visiting guest professor of the discipline of General Biology of the Professional Technician Course in Organic Farming. Total of 64 hours. *Escola Superior de Tecnologias e Gestão*, University of Madeira - Madeira, Portugal.
- **March - July 2021:** visiting guest professor of the Final Internship of the Professional Technician Course in Organic Farming as a supervisor. Total of 48 hours. *Escola Superior de Tecnologias e Gestão*, University of Madeira - Madeira, Portugal.
- **October 2020 - February 2021:** visiting guest professor of the discipline of General Biology of the Professional Technician Course in Organic Farming. Total of 64 hours. *Escola Superior de Tecnologias e Gestão*, University of Madeira - Madeira, Portugal.
- **March - July 2020:** visiting guest professor of the Final Internship of the Professional Technician Course in Organic Farming as a supervisor. Total of 48 hours. *Escola Superior de Tecnologias e Gestão*, University of Madeira - Madeira, Portugal.
- **October 2019 - February 2020:** visiting guest professor of the discipline of General Biology of the Professional Technician Course in Organic Farming. Total of 58 hours. *Escola Superior de Tecnologias e Gestão*, University of Madeira - Madeira, Portugal.
- **February 2019 - August 2019:** visiting guest professor of the discipline of Enzymology for the graduation course of Biochemistry and of the discipline of Environmental Biochemistry for the graduation course of Biology and Master of Applied Biochemistry. Total of 64 hours. University of Madeira
- **March 2014 - January 2016:** Assistant teacher of Microbiology for graduation courses in Agronomy, Forest Engineering, and Zootechnics, theoretical and practical classes. Department of Forest Engineering. *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.
- **March 2014 - January 2016:** Collaboration in the discipline of Soil Microbiology for graduation courses in Agronomy, theoretical and practical classes. Department of Forest Engineering. *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG Brazil.
- **March - July 2014:** Collaboration in the discipline of Soil Microbiology for Post-graduation courses in Plant Production, and theoretical classes. Department of Forest Engineering. *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG Brazil.
- **2011** - Collaboration in seminars given to Post-graduation students, subject: Biotization of Mediterranean woody species. Biology Department, University of Évora, Portugal.

Experience in supervision

- **January 2023 - Current:** Supervision of Tiago Gomes in a professional internship from the *Instituto de Emprego da Madeira* (IEM), Madeira Portugal.
- **March 2022 – February 2023:** Supervision of Tiago Nuno Lucas Ramos in a professional internship from the *Instituto de Emprego da Madeira* (IEM), Madeira Portugal.
- **September - November 2021:** Supervision of Gonçalo Nuno Rodrigues Pereira in the program *ingress@* from the *Instituto de Emprego da Madeira* (IEM), Madeira Portugal.
- **March 2020 - February 2021:** Supervision of Laura José Costa Henriques in a professional internship from the *Instituto de Emprego da Madeira* (IEM), Madeira Portugal.
- **February 2018 - Current:** Aid in supervising the work of undergraduate/master/doctoral students. ISOPlexis Center, University of Madeira - Madeira, Portugal (<http://www3.uma.pt/isoplexis/>).
- **March 2015 - January 2016:** Aid in supervising the work of undergraduate students. *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.
- **September 2010 - June 2011:** Co-supervisor of undergraduate students. University of Évora, Portugal.

Experience as guest editor

- **October 2021 - Current:** guest editor of the Special Issue Selected Papers from Agriculture and Food Sustainability: New Climate Change Scenarios at Agronomy Journal – MDPI (https://www.mdpi.com/journal/agronomy/special_issues/Agriculture_Food_Sustainability).

SHORT CURRICULUM VITAE

- **December 2020 - Current:** guest editor of the Special Issue Future Foods: Health and Sustainability at Applied Sciences Journal – MDPI (https://www.mdpi.com/journal/applsci/special_issues/food_tech).

Experience as reviewer

- **June 2020 - Current:** Member of the Journal Topic Board and the Reviewer Board of Plants Journal MDPI.
- **December 2020 - Current:** Member of the Reviewer Board of Biology Journal MDPI.
- **2018 - Current:** Member of the Global Journal of Botanical Science reviewer board.
- **2018 - 2020:** Reviewer of the Journal of Medicinal Plant and Herbal Therapy Research.
- **2015 - 2018:** Reviewer of the *Revista eletrônica científica da UERGS*.

Scientific and organizing committee member

- **January 2023 - Current:** Board member of the ISOPlexis center.
- **September 2022 - Current:** Register as an expert in the European Commission (Registration nº: EX2022D676949).
- **November 2022:** Organizing Committee of the workshop *Alterações Climáticas na Agricultura*, 30th November 2022 in Funchal, Madeira, Portugal.
- **December 2021 - July 2022:** Scientific Committee of the International Symposium: Sustainable and Precision Agriculture (SPA2022), 18-20th July 2022 in La Laguna, Tenerife, Spain (<https://spa2022.com/>).
- **February 2021 - October 2021:** Organizing and Scientific Committee of the International Symposium: Agriculture and Food Sustainability: New Climate Change Scenarios, 11-13th October 2021 in Funchal, Madeira, Portugal (<https://www.afss2021.com/>).
- **February 2018 - Current:** Preparation of material and participation in various dissemination events for the ISOPlexis Center and the University of Madeira regularly, such as Macaronight - European Night of Macaronesian Researchers, EXPOMADEIRA, in addition to the reception of primary school students and delegations' foreign companies to the ISOPlexis Center facilities.
- **2018 e 2019:** Assistance in organizing and preparing the 1st and 2nd interim meetings of the CASBio project.

Jury member

- **March 2022:** Costa, M.R.; **Ragonezi, C.**, Graziotti, P.H. Participation as a committee member of the master dissertation of Silva DM - *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.
- **2018 - Current:** Member of juries for consultations and tenders for the acquisition of equipment and laboratory material for the ISOPLab of ISOPlexis Center.
- **December 2015:** Graziotti, P. H.; **Ragonezi, C.**, Fernandes, J. S. C.; Rossi, M. Participation as a committee member of the master dissertation of Avelar DC - *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.
- **December 2015:** Graziotti, P. H.; **Ragonezi, C.**, Fernandes, J. S. C.; Rossi, M. Participation as a committee member of the master dissertation of Carneiro J - *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.
- **December 2014:** Roa J.P.B., **Ragonezi C.**, Dourado L.F.N.F. Participation as a committee member of a graduation course in Science and Technology - *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.

Pedagogic innovation

- **October 2021 - Current:** Preparatory commission and submission of the Master course Organic Agriculture and Rural Development in *b-learning* mode. *Escola superior de tecnologias e gestão*, University of Madeira.
- **January 2022 - Current:** Preparatory commission of the graduation course in Environmental Technologies and Sustainability. *Escola superior de tecnologias e gestão*, University of Madeira.
- **October 2019 - Current:** Update and optimization of protocols for practical classes in General Biology. CTESP of Organic Agriculture. *Escola superior de tecnologias e gestão*, University of Madeira.
- **February 2021 - September 2021:** Preparatory commission of the Higher Professional Technical Course in Agri-food Technologies. *Escola superior de tecnologias e gestão*, University of Madeira.
- **2015 - 2016:** Elaboration and application of protocols for practical classes in Soil Microbiology. Graduation coursed in Agronomy and Forestry. *Universidade Federal dos Vales do Jequitinhonha e Mucuri* - MG, Brazil.

DNA bank creation and maintenance

- **August 2020 - current:** Participation in the creation of the ISOPlexis Center's DNA bank, including systematization, labeling, and maintenance. The bank houses samples of different varieties of plant species and is crucial for the conservation of genetic information.

Creation of promotional material

- **June 2020:** Creation of promotional material for ISOplexis Center events and promotion actions. The material in question, “memory game”, relates agricultural species with their respective fruits. The game allows participants to interact and teach about agriculture in the region, focusing on regional species/varieties.
- **June 2020:** Preparation of a variety of promotional materials for the ISOplexis Center's events and promotional actions. The material in question includes pamphlets, layouts, merchandising products, as well as content for the Center's main promotional video.

Interviews or other forms of news coverage

- **November 2022:** Participation in the program *UMA Investiga*, which aims to publicize the work carried out by researchers and students at the University of Madeira, as well as their involvement with the economic and social fabric of the Autonomous Region of Madeira. RTP Madeira. Ep. 3. <https://www.rtp.pt/play/p10728/e655513/uma-investiga>.
- **August 2021:** Disclosure of activities from CTeSP courses, Organic farming, and Agrifood Technologies. Program: *Verão Cá Dentro* RTP Madeira. Ep. 37. <https://www.rtp.pt/play/p9068/e564257/verao-ca-dentro-2021>.
- **February 2019:** Disclosure of activities within the scope of the CASBio project. Program: *Bastidores da Ciência*. ARDITI. Ep.21. <https://www.arditi.pt/pt/bastidores-da-ciencia/ep-20-carla-ragonezi.html>.

Main presentations in meetings

Oral communications

- **Ragonezi C, Oliveira C, Pinheiro de Carvalho MAA. 2021.** Bacterial and Archaeal community's structure: the characterization and monitoring of a vine agrosystem from Madeira. In: Symposium - Agriculture, and Food Sustainability: New Climate Change Scenarios, October 11-13, Funchal. Portugal.
- **Oliveira C, Ragonezi C, Pinheiro de Carvalho MAA. 2021.** Seasonal dynamic of soil fungal communities in two distinct agroecosystems. In: Symposium - Agriculture, and Food Sustainability: New Climate Change Scenarios, October 11-13, Funchal. Portugal.
- **Pinheiro de Carvalho MAA, Gouveia C, Ragonezi C, Reis F, Lopes F, Ganança F, Freitas G, Nóbrega H, Oliveira C, Nunes N. 2021.** Assessing the anticipated climate change impacts in Madeiran agriculture through characterization and monitoring case study agrosystems. In: Symposium - Agriculture, and Food Sustainability: New Climate Change Scenarios, October 11-13, Funchal. Portugal.
- **Ragonezi, C.** Microbiologia do solo em agricultura biológica, diversidade e funções, I Webinar of the project *Probiomadeira*, New Organic Planet, Funchal, Portugal, 27th November 2020. <https://www.probiomadeira.eu/noticias/webinar-probiomadeira/>
- **Ragonezi C, Oliveira C, Ganança JFT, Nóbrega H, Freitas G, Reis F, Pinheiro de Carvalho MAA. 2019.** Sewage sludge as potential fertilizer or regenerator for agricultural and eroded soils. In: 2nd Global Conference on Plant Science & Microbial Ecology, October 14-17. Dubai, United Arab Emirates.
- **Nobre T, Ragonezi C, Arnholdt-Schmitt B. 2014.** Unravelling wild carrot differentiation in Europe – preliminary data on a candidate gene approach. ISHS Acta Horticulturae 1153: International Symposium on Carrot and Other Apiaceae. 14-18 September. Anger, France.
- **Valadas V, Ragonezi C, Arnholdt-Schmitt B. 2014.** Studying *Chlorella vulgaris* and its associated consortium. COST Action: Joint Meeting of COST FA1206 (WP3) and FA 1103 EXO- and Endogenous Signalling, 14-18 September, Kraków, Poland.
- **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 International Conference of the IUFRO Working Party - Integrating vegetative propagation, biotechnologies, and genetic improvement for tree production and sustainable forest management. Brno - Czech Republic.
- **Ragonezi C, Caldeira AT, Martins MR, Klimaszewska K, Santos-Silva C, Peixe A, Ganhão E, Miralto O, Louro R, Zavattieri A. 2011.** Biotization of the Mediterranean stone pine (*Pinus pinea* L.). In: European Biotechnology Congress, Istanbul, Turkey.

Poster presentations

SHORT CURRICULUM VITAE

- **Ragonezi C**, Barbosa C, Ramos, T, Pinheiro de Carvalho MAA. **2022**. Biocoating application to extend the postharvest phase of custard apple (*Annona*) from Madeira. Sustainable and Precision Agriculture Symposium, 18-20 July, San Cristóbal de La Laguna, Tenerife, Spain.
- Gouveia CSS, Gomes GMF, Rodrigues M, Nunes R, **Ragonezi C**, Pinheiro de Carvalho MAA. **2022**. Study of proximate composition and phytonutrient properties of cactus pear (*Opuntia ficus-indica* (L.) Mill.) cladodes and fruits. Sustainable and Precision Agriculture Symposium, 18-20 July, San Cristóbal de La Laguna, Tenerife, Spain.
- **Ragonezi C**, Gouveia C, Hormanza I, Pinheiro de Carvalho MAA. **2021**. Study of Madeira Annona: genetic and biochemical characterization of regional varieties. In: Symposium - Agriculture, and Food Sustainability: New Climate Change Scenarios, October 11-13, Funchal. Portugal.
- Nunes N, **Ragonezi C**, Oliveira C, Freitas G, Nóbrega H, Pinheiro de Carvalho MAA. **2021**. Unravelling the dehydrated sewage sludge potential to fertilize agricultural crops: A circular economy perspective to Porto Santo Island. In: Symposium - Agriculture, and Food Sustainability: New Climate Change Scenarios, October 11-13, Funchal. Portugal.
- Gomes GMF, Rodrigues M, Nunes R, **Ragonezi C**, Gouveia C, Pinheiro de Carvalho MAA. **2021**. MADEIRA – OPUNTIAS PROJECT. In: Symposium - Agriculture, and Food Sustainability: New Climate Change Scenarios, October 11-13, Funchal. Portugal.
- **Ragonezi C**, Oliveira C, Pinheiro de Carvalho MAA. **2020**. Bacterial community structure from Madeira Archipelago assessed by Terminal Restriction Fragment Length Polymorphism. In: The 8th World Sustainability Forum – WSF2020, September 15-17 (virtual). Basel, Switzerland.
- Antunes LA, Macedo LA, Graziotti PH, Rocha A, Avelar DC, **Ragonezi C**. **2015**. Seleção de isolados de *Pisolithus* sp. tolerantes ao cupinicida Imidacloprid. In: XXXV Congresso brasileiro de Ciência do Solo, August 2-7. Natal, Brazil.
- **Ragonezi C**, Sircar D, Santos-Macedo E, Cardoso HG, Frederico AM, Peixe, Arnholdt-Schmitt B. **2013**. A regulatory role of AOX in adaptive phenol metabolism for plant growth control? In: The 8th International Symposium on In Vitro Culture and Horticultural Breeding. 225, poster 137. 2nd-7th June. Coimbra, Portugal.
- **Ragonezi C**, Castro MR, Klimaszewska K, Lima M, Zavattieri A. **2010**. Influence of light quality and intensity on adventitious root formation in microshoots of *Pinus pinea* L. ISHS Acta Horticulturae 865: IV International Symposium on Acclimatization and Establishment of Micropropagated Plants.
- **Ragonezi C**, Castro MR, Santos-Silva C, Klimaszewska K, Lima M, Oliveira P, Zavattieri A. **2009**. Misleading mycorrhiza?. In: 6th International Conference on Mycorrhiza - MG, Brazil.

Workgroups

- Thematic group of FORWARD - Fostering research excellence in EU Outermost Regions (H2020 – 824550).
- Thematic group of Emphasis - PHENET, the European Research Infrastructures (RI) on plant phenotyping (EMPHASIS), ecosystems experimentation (AnaEE), long-term observation (eLTER) and data management and bioinformatics (ELIXIR) (UE – 101079772).

Networking

- Inov4Agro - Institute for innovation, capacity building, and sustainability of agri-food production. Associated Laboratory recognized by the Portuguese Foundation for Science and Technology (FCT) coordinated by CITAB in association with the GreenUPorto.
- Subtropical Fruit Crops Department - IHSM la Mayora - CSIC – UMA in Málaga, Spain with Professor Inaki Hormaza who has extensive experience in molecular markers in addition to a germplasm collection of soursop samples from different sources. This exchange encompasses the exchange of information, samples, and analysis of results.

Management

- **2018 - Current:** Stock management, contacting suppliers, completing requisitions for the acquisition of laboratory reagents and consumables from ISOplexis - Center for Sustainable Agriculture and Food Technology, in various projects.

Statistics computing skills

- SPSS (Statistical Package for the Social Science).
- MVSP (Multi-Variate Statistical Package).
- R Statistics.

SHORT CURRICULUM VITAE

- ComEcoPaC (Community Ecology Parameter Calculator)
- Computing from the user's point of view in operating systems Windows and Macintosh: Word, Excel, PowerPoint, etc.

Languages

- **English** - Reading, writing, and speaking: proficient.
 - **Spanish** - Reading, writing, and speaking: good.
 - **French** - Reading, writing, and speaking: basic.
 - **Portuguese** - Native language.
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