

PERSONAL DATA

Name: Artur da Câmara Machado
Date of birth: June 22th 1959
Birth Place: Ribeira Grande, São Miguel, Açores, Portugal
Citizenship: Portuguese

AFFILIATION

INSTITUTION: University of the Azores - Faculty of Agriculture & Environmental Sciences
Biotechnology Centre of Azores - CBA-UAc

PROFESSIONAL ADDRESS: *Campus* de Angra do Heroísmo
University of the Azores
Rua Capitão João d'Ávila
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ACADEMIC DEGREES AND COURSES ATTENDED

- 2006 - Aggregation in BIOTECHNOLOGY, specialisation in PLANT TISSUE CULTURE by the University of Azores, Portugal.
- 1995 - Doktors der Bodenkultur (Dr. rer. nat. techn. - Doctor rerum naturalium technicarum, PhD), University of Natural Resources and Life Sciences, Vienna, Austria.
- 1994 - Degree in Agriculture Sciences at the Department of Agriculture Sciences, University of Azores (by equivalence).
- 1989 - Advanced course plant-pathogen interaction, university of Guelph, Canada.
- 1981-86 - Agronomy studies at University of Bodenkultur (Studienrichtungen Landwirtschaft), Vienna, Austria.
- 1979-81 - "Hochschule für Angewandte Kunst" and "Hochschule für Bildende Künste", Vienna, Austria.

PREVIOUS ACTIVITY AND CURRENT STATUS

- 2006 - Presente: Professor Auxiliar com Agregação, Department of Agriculture Sciences, University of Azores
- 1996 - 2006: Professor Auxiliar, Department of Agriculture Sciences, University of Azores
- 1995-1996: Professor Assistente, Department of Agriculture Sciences, University of Azores
- 1987-1994: Co-worker in the Plant Biotechnology Group of the Institute of Applied Microbiology, University of Natural Resources and Life Sciences, Vienna, Austria.

SCIENTIFIC ACTIVITY

SCIENTIFIC AREAS OF MAIN INTEREST

Plant Biotechnology: genetic transformation of woody species; development of biotechnology in the Autonomous Region of Azores (breeding, diagnosis of viruses, pathogen mediated resistance), molecular characterization of regional and national grapevine germplasm, breeding and sanitation of fruit trees by biotechnological methods, tissue culture, molecular tracing in the food chain.

Animal Biotechnology: marker assisted selection, milk production, autochthonous breed diversity, development of molecular markers for genetic disorders in the Lusitano breed.

PARTICIPATION IN FUNDED PROJECTS

1- INTERNATIONAL PROJECTS

2012-2015: “SafePGR - Towards Safer Plant Genetic Resources through improved viral diagnostics”. In the frame of the NET-BIOME project, funded under the ERA-NET, FP7-Coordination. (CBA-UAc Team Leader)

2009-2012: “AGRICOMAC - Promoción de la investigación, el desarrollo tecnológico, la innovación y la sociedad de la información Fortalecimiento de la gestión medioambiental y la gestión de riesgos”. Supported by EU Transnational Cooperation Programme Madeira-Azores-Canaries 2007-2013 (MAC/1/C047). (Team Member)

2006-2008: GERMOBANCO-III - Germobanco Agrícola da Macaronésia”. Supported by EU Programme INTERREG IIIB (05/MAC/4.1/C15). (Team Member)

2005-2008: “RESISTVIR - Co-ordination of Research on Genetic Resistance to Plant Pathogenic Viruses, and their Vectors, in European Crops”. Supported by the European Community in the 6th Framework Programme, Priority 5: Food Quality and Safety. FOOD-CT-2005-514048. (CBA-UAc Team Leader)

2005-2008: “INTERFRUTA-II - Promoção da fruticultura e da viticultura na perspectiva da protecção e produção integrada nos arquipélagos da Macaronésia”. Supported by EU Programme INTERREG IIIB (05/MAC/3.1/A4). (Team Member)

2005-2006: “GERMOBANCO-II - Germobanco Agrícola da Macaronésia”. Supported by EU Programme INTERREG IIIB (05/MAC/4.1/C15). (Team Member)

2003-2006: “OLIV-TRACK - Traceability of origin and authenticity of olive oil by combined genomic and metabolomic approaches” Key Action 1.1.3 - Quality of life and management of living resources. Section 1.1 - Quality monitoring and traceability throughout the food chain, (QLK1-CT-2002-02386). (UAc Team Leader)

1998-2001: “Health Certification of Rosaceous species based on disease indexing of in vitro plants: validation of diagnostics and diagnostic strategies”. CE, FP4-FAIR (FAIR97-3889). (IAM-BOKU Team Member)

1997-2000: “TUTOR: Towards Understanding of Tree Growth Regulation”. CE, FP4, INCO-Copernicus (PL 96-6084). (IAM-BOKU Team Member)

- 1996-1999: "Risk assessment with genetically engineered Woody Plants expressing virus coat protein gene". CE, FP4-BIOTECH 2 (BIO4960773). (IAM-BOKU Team Member)
- 1991-1994: "Detection du Virus de la Sharka et lutte genetique contre la maladie chez les Prunus". CE, FP2-CAMAR (8001 CT 91-201). (IAM-BOKU Team Member)

2- NATIONAL PROJECTS

- 2012-2015: "Diversity of arbuscular mycorrhizal fungi (AMF) in native forest of Azores and their biotechnological application". Supported by FCT (PTDC/AGR-ALI/122152/2010). (Participant)
- 2005-2008: "Resistance evaluation of Portuguese *Vitis vinifera* ssp. *sylvestris* genotypes to *Plasmopora viticola* and *Uncinula necator* infections and genetic characterization of Azorean populations of both pathogens". Supported by FCT (POCTI/AGR/60974/2004). (Principal Investigator)
- 2005-2008: "Genetic of resistance to *Colletotrichum* in olive tree". Supported by FCT (POCI/AGR/57817/2004). (CBA-UAc Team Leader)
- 2005-2008: "Coudelaria-Laboratório Natural de Desenvolvimento Sustentável". Supported by FCT (POCI/GG/GGP/ME661-0166/05). (CBA-UAc Team Leader)
- 2003-2007: "Molecular approach for save managment of seven Azorean endemic plants species". Supported by FCT (POCTI/BME/42057/2001). (Principal Investigator)
- 2002-2007: "Set up of molecular diagnosis systems for genetic disorders on the Lusitano breed". Supported by FCT (POCTI/CVT/41890/2001). (Principal Investigator)
- 2000-2002: "Identification of microsatellite loci in olive (*Olea europaea*) and their characterisation". Supported by FCT (. POCTI/36162/AGR/2000). (Principal Investigator)
- 1997-2000: "Sanitation and breeding of Portuguese fruit tree cultivars using a biotechnological approach". Supported by FCT (PRAXIS/3/3.2/Hort/2143/95). (UAc Team Leader)
- 1996: "Production of 1000 units of micropropagated tropical plants for distribution as educational tools in African Countries". Supported by UNESCO Bureau de Vienne. (IAM-BOKU Team Member)
- 1993-1998: "Biotechnological methods for resistance breeding in grapevines". Supported by the Austrian Ministry of Agriculture and the Niederösterreichische Landesregierung. (IAM-BOKU Team Member)
- 1993-1997: "*In vitro* cultivation of fruit trees for the rapid propagation of virus-free scion woods, for the virus elimination of cultivars and for the breeding of new cultivars". Supported by the Austrian Ministeries of Agriculture and Forestry and Science and Education. (IAM-BOKU Team Member)
- 1993-1997: "*In vitro* culture of plants with seeds producing oil (*Jatropha curcas*)". Supported by the Austrian Federal Chancellery in the frame of Assistance to Developing Countries. (IAM-BOKU Team Member)
- 1992-1995: "Revitalization of old local fruit tree cultivars". Supported by C&A, Fam. Brenninkmeyer. (IAM-BOKU Team Member)
- 1991-1994; 1997-1998: "Molecular processes of root induction in woody plants I/II" supported

by Austrian Science Foundation Fonds. (*IAM-BOKU Team Member*)

1991-1992: "Biotechnological Approach to the Induction of Arabis Mosaic Virus Resistance". Supported by Austrian Science Foundation Fonds. (*IAM-BOKU Team Member*)

3- REGIONAL PROJECTS

2017-2019: CONNECT.GENE - Avaliação do impacto da estrutura funcional dos corredores ecológicos na conservação da biodiversidade genética de espécies ameaçadas. Supported by POAçores2020 (ACORES-01-0145-FEDER-000061). (*Participant*)

2015-2017: "Valorização e Recuperação da Flora Endémica Açoriana". Supported by Direção Regional do Ambiente (contrato n.º 65/DRA/2015). (*Team Leader*)

2011-2012: "Caracterização Molecular e Estudo da Genética de Populações de Plantas Endémicas de Diferentes Ilhas Açorianas". Supported by Secretaria Regional do Ambiente e do Mar, Governo dos Açores. (*Principal Investigator*)

2008-2014: "Micropropagação de 4 espécies vegetais endémicas dos Açores destinadas aos planos de florestação das bacias hidrográficas das Furnas e Sete Cidades". Supported by SPRAÇORES, SA. (*Principal Investigator*)

2008-2011: "Caracterização de Compostos Bioactivos Isolados de Microorganismos dos Açores". Supported by DRCT (M2.1.2/1/025/2008). (*Participant*)

2008-2010: "Isolamento de sequências análogas a genes de resistência em *Olea europea*". Supported by DRCT (M2.1.2/1/012/2008). (*Participant*)

2008-2009: "Identificação directa de *Listeria monocytogenes* e *Staphylococcus aureus* em amostras alimentares pela PCR quantitativa em tempo real." Supported by DRCT (M.2.1.2/1/003/2007). (*Participant*)

2007-2009: "Mecanismos moleculares envolvidos na variação da coloração dos bagos da casta de videira Verdelho". Supported by DRCT (M2.1.2/1/011/2007). (*Participant*)

2007-2009: "Identificação de marcadores moleculares para melanomas em equinos". Supported by DRCT (M.2.1.2/1/019/2007). (*Principal Investigator*)

2005-2007: "Contributo Biotecnológico para o desenvolvimento sustentável da Região Autónoma do Açores." Supported by DRCT (M2.1.1/1/012/2005) and PRODESA (3.3.42). (*Principal Investigator*)

2001-2004: "Cultura de Tecidos de *Cryptomeria japonica* como método de propagação vegetativa". Supported by FCT and Governo dos Açores (PRADIC n.º 4.70.47). (*Principal Investigator*)

1998-2000: "Desenvolvimento da Biotecnologia na Região Autónoma dos Açores". Supported by FCT and Governo dos Açores. (*Principal Investigator*)

PUBLICATIONS

1- THESIS

da Câmara Machado A. 1995. "Regeneration and Transformation Systems in *Prunus*". Dissertation zur erlangung des Doktorgrades an der Universität für Bodenkultur Wien *Dr. Rer. Nat. Techn.* Tese de Doutoramento. PhD Thesis

da Câmara Machado A. 1995. "Biotechnology for the Improvement of Fruit Trees". Provas de Aptidão Pedagógica e Capacidade Científica no Departamento de Ciências Agrárias, Universidade dos Açores.

2- BOOKS

Monteiro L, Baptista C, Melo M, Domingues A, Ferreira A, Foroni I, Lopes MS, Mendonça D, Ormonde Janeiro S, Oliveira R, Pimental R, Carvalho C, Monjardino P, Horta Lopes D, da Câmara Machado A (2008) Cultivares de macieiras dos Açores. Pp 99

3- BOOK EDITION

"Problemas fitossanitários e fauna auxiliar das macieiras na ilha Terceira" (2009) Edited by Pimentel R, Lopes DJ, Cabrera R, Borges PAV, da Câmara Machado A, Mumford JD, Mexia A.

"Breeding for stress tolerance in fodder crops and amenity grasses" (2000) Edited by Monjardino P, da Câmara Machado A, Carnide V. EUCARPIA - European Association for Research on Plant Breeding - Proceedings of the 23st Meeting of the Fodder Crops and Amenity Grasses Section of Eucarpia Azores, Portugal October 1 2000.

4- BOOK CHAPTERS

[7] Mendonça D, Melo CD, da Câmara Machado A, Pereira AMN (2011) Vírus que afectam a Bananeira na ilha Terceira (Açores). In: Problemas Fitossanitários e Fauna Auxiliar das Bananeiras. Ed.: Ventura LB, Lopes DJH, Cabrera RP, Borges PAV, Mumford J, Mexia AMM. Universidade dos Açores. SerSilito, Maia. Pp 43-49.

[6] Mendonça D, Horta Lopes D, da Câmara Machado A (2009) Víroses das macieiras. In: "Problemas fitossanitários e fauna auxiliar das macieiras na ilha Terceira". Ed.: Horta Lopes DJ, Cabrera Perez R, Pereira AMN, Mumford JD, Mexia AMM. Centro de Biotecnologia dos Açores, Universidade dos Açores: 55-60.

[5] Mendonça D, Horta Lopes D, da Câmara Machado A (2009) Víroses das macieiras. In: Folhas Divulgativas. Ed.: Horta Lopes DJ, Cabrera Perez R, Borges PAV, Aguin-Pombo D, Pereira AMM. Centro de Biotecnologia dos Açores, Universidade dos Açores: 107-109.

[4] Knapp E, Hanzer V, Weiss H, da Câmara Machado A, Katinger H, Laimer da Câmara Machado M (1997) Characteristics of large-scale production of phytosanitary improved *in vitro* fruit tree cultivars using *in vitro* elimination treatments and serodiagnostics. In: Diagnosis and Identification of Plant Pathogens. (editors: Dehne H, Adam G, Diekmann M, Frahm J, Mauler-Machnik A, Van Halteren P) Kluwer Academic Publishers. Developments in Plant Pathology 11: 141-147.

[3] Knapp E, Hanzer V, Mendonça D, da Câmara Machado A, Katinger H, Laimer da Câmara Machado M (1997) Improved virus detection in rosaceous fruit trees *in vitro*. In: Pathogen and Microbial Contamination Management in Micropropagation. (editor: Cassells A) Kluwer Academic Publishers. Developments in Plant Pathology 12: 23-29.

[2] da Câmara Machado A, Laimer da Câmara Machado M (1995) Genetic transformation in *Prunus*

armeniaca L. (apricot). In *Biotechnology in Agriculture and Forestry. Plant protoplasts and genetic engineering VI.* (editor: Bajaj YPS) Springer-Verlag, Berlin. 34: 240-254.

- [1] da Câmara Machado A, Katinger H, Laimer da Câmara Machado M (1994) Coat protein-mediated protection against Plum Pox Virus in herbaceous model plants and transformation of apricot and plum. In: *Progress in Temperate Fruit Breeding.* (editor: Schmidt H, Kellerhals M) Kluwer Academic Publisher 349-354.

5- PAPERS IN INTERNATIONAL PEER-REVIEWED JOURNALS

- [69] Drumonde Melo C, Luna S, Krüger C, Walker C, Mendonça D, Fonseca HMAC, Jaizme-Vega M, da Câmara Machado A (2017). Communities of arbuscular mycorrhizal fungi under *Picconia azorica* in native forests of Azores. First Online: 08 May 2017. DOI: 10.1007/s13199-017-0487-2, IF 1.284 [Q2, Agricultural and Biological Sciences]
- [68] Drumonde Melo C, Luna S, Krüger C, Walker C, Mendonça D, Fonseca HMAC, Jaizme-Vega M, da Câmara Machado A (2017). Arbuscular mycorrhizal fungal community composition associated with *Juniperus brevifolia* in native Azorean forest. *Acta Oecologica* 79: 48-61, DOI: 10.1016/j.actao.2016.12.006, IF 1.420 [Q1, Nature and Landscape Conservation]
- [67] Lopes MS, Mendonça D, Rojer H, Cabral V, Bettencourt XS, da Câmara Machado A (2014) Morphological and genetic characterization of an emerging Azorean horse breed: the Terceira Pony". *Frontiers in Genetics* 6, 62. DOI: 10.3389/fgene.2015.00062. [Q2, Genetics]
- [66] Bettencourt SX, Mendonça D, Lopes MS, Rocha S, Monjardino P, Monteiro L, da Câmara Machado A (2014) Genetic diversity and population structure of the endemic Azorean juniper, *Juniperus brevifolia* (Seub.) Antoine, inferred from SSR and ISSR markers. *Biochemical Systematics and Ecology* 59, 314-324. DOI: 10.1016/j.bse.2015.02.003 IF=1.170 [Q3, Ecology]
- [65] Mendonça D, Monteiro L, Luna S, Bettencourt S, Lopes MS, Drumonde-Neves J, Monjardino P, da Câmara Machado A (2014) In vitro propagation of *Picconia azorica* (tutin) Knobl. (Oleaceae) an Azorean endangered endemic plant species. *Acta Physiologiae Plantarum* 37, 47. DOI: 10.1007/s11738-015-1797-8 IF 1.305 [Q2, Plant Science]
- [64] Lopes MS, Mendonça D, Bettencourt SX, Borba AR, Baptista C, Melo C, da Câmara Machado A (2014) Genetic diversity of an Azorean endemic and endangered plant species inferred from ISSR markers. *AoB Plants* 6: plu034. DOI:10.1093/aobpla/plu034 IF=1.743 [Q2, Plant Science]
- [63] Rocha S, Monjardino P, Mendonça D, da Câmara Machado A, Fernandes R, Sampaio P, Salema R (2014) Lignification of developing maize (*Zea mays* L.) endosperm transfer cells and starchy endosperm cells. *Frontiers in Plant Science* 5, 102. DOI:10.3389/fpls.2014.00102; IF=3.60
- [62] Metzger J, Philipp U, Lopes MS, da Câmara Machado A, Felicetti M, Silvestrelli M, Distl O (2013) Analysis of copy number variants by three detection algorithms and their association with body size in horses. *BMC Genomics* 14(1): 487. DOI: 10.1186/1471-2164-14-487; IF=4.40 [Q1, Genetics]
- [61] Baptista C, Lopes MS, Tavares AC, Rojer H, Kappmeyer L, Mendonça D, da Câmara Machado A (2013) Diagnosis of *Theileria equi* infections in horses in the Azores using cELISA and nested PCR. *Ticks and Tick-Borne Diseases* 4: 242-245. DOI:10.1016/j.ttbdis.2012.11.008; IF=2.353 [Q2, Infectious diseases, Parasitology]
- [60] Petersen JL, Mickelson JR, Cothran EG, Andersson L, Axelsson J, Bailey E, Bannasch D, Binns M, Borges A, Brama P, da Câmara Machado A, Distl O, Felicetti M, Fox-Clipsham L, Graves KT, Guérin G, Haase B, Hasegawa T, Hemmann K, Hill E, Leeb T, Lindgren G, Lohi H, Lopes MS, McGivney BA, Mikko S, Orr N, Penedo MCT, Piercy R, Raekallio M, Rieder S, Røed K, Silvestrelli M, Swinburne J, Tozaki T, Vaudin M, Wade CM, McCue ME (2013) Genetic diversity in the modern horse illustrated from genome-wide SNP data. *PLOS ONE* 8(1): e54997. DOI: 10.1371/journal.pone.0054997; IF=3.73 [Q1, Multidisciplinary]

- [59] Petersen JL, Mickelson JR, Rendahl AK, Valberg SJ, Andersson L, Axelsson J, Bailey E, Bannasch D, Binns M, Borges A, Brama P, da Câmara Machado A, Capomaccio S, Cappelli K, Cothran EG, Distl O, Fox-Clipsham L, Graves KT, Guérin G, Haase B, Hasegawa T, Hemmann K, Hill E, Leeb T, Lindgren G, Lohi H, Lopes MS, McGivney BA, Mikko S, Orr N, Penedo MCT, Piercy R, Raekallio M, Rider S, Røed K, Swinburne J, Tozaki T, Vaudin M, Wade CM, McCue ME (2013) Genome-wide analysis reveals selection for important traits in domestic horse breeds. *PLOS Genetics* 9(1): e1003211. DOI: 10.1371/journal.pgen.1003211; IF=8.52 [Q1, Genetics]
- [58] Monjardino P, Rocha S, Tavares AC, Fernandes R, Sampaio P, Salema R, da Câmara Machado A (2013) Development of flange and reticulate wall ingrowths in maize (*Zea mays* L) endosperm transfer cells. *Protoplasma* 250: 495-503. DOI: 10.1007/s00709-012-0432-4; IF=2.855 [Q1, Plant Science]
- [57] Foroni I, Baptista C, Monteiro L, Lopes MS, Mendonça D, Melo M, Carvalho C, Monjardino P, Lopes DJH, da Câmara Machado A (2012) The use of microsatellites to analyze relationships and to decipher homonyms and synonyms in Azorean apples (*Malus domestica* Borkh.). *Plant Systematics and Evolution* 298: 1297-1313. DOI: 10.1007/s00606-012-0637-1; IF=2.584 [Q2, Plant Science]
- [56] Baron EE, Lopes MS, Mendonça D, da Câmara Machado A (2012). SNP identification and polymorphism analysis in exon 2 of the horse myostatin gene. *Animal Genetics* 43: 229-232. DOI: 10.1111/j.1365-2052.2011.02229.x; IF=2.584 [Q1, Animal Science and Zoology]
- [55] Foroni I, Baptista C, Monteiro L, Mendonça D, Lopes MS, Monjardino P, Lopes DJH, da Câmara Machado A (2011) Assessment of genetic variability within and among Portuguese apple cultivars revealed by SSRs. III International Symposium on Plant Genetic Resources. Lisbon, Portugal, 22.-27. 8. 2010. *Acta Horticulturae* 918: 371-378. [Q4, Horticulture]
- [54] Felicetti M, Lopes MS, Verini-Supplizi A, da Câmara Machado A, Silvestrelli M, Mendonça D, Distl O (2010) Genetic diversity in the Maremmano horse and relationships with other European breeds. *Animal Genetics* 41(Suppl.2): 53-55. DOI: 10.1111/j.1365-2052.2010.02102.x; IF=2.584 [Q1, Animal Science and Zoology]
- [53] Lopes MS, Diesterbeck U, da Câmara Machado A, Distl O (2010) Refinement of quantitative trait loci on equine chromosome 10 for radiological signs of navicular disease in Hanoverian warmblood horses. *Animal Genetics* 41(Suppl.2): 36-40. DOI: 10.1111/j.1365-2052.2010.02096.x; IF=2.584 [Q1, Animal Science and Zoology]
- [52] Lopes MS, Diesterbeck U, da Câmara Machado A, Distl O (2009) Fine mapping of a quantitative trait locus on horse chromosome 2 associated with radiological signs of navicular disease in Hanoverian warmblood horses. *Animal Genetics* 40(6): 955-957. DOI: 10.1111/j.1365-2052.2009.01923.x; IF=2.584 [Q1, Animal Science and Zoology]
- [51] Lopes MS, Mendonça D, Rodrigues dos Santos M, Eiras Dias JE, da Câmara Machado A (2009) New insights on the genetic basis of Portuguese grapevine and on grapevine domestication. *Genome* 52(9): 790-800. DOI: 10.1139/G09-048; IF=1.991 [Q2, Agricultural and Biological Sciences (miscellaneous)]
- [50] Doveri S, Sabino Gil F, Díaz A, Reale S, Busconi M, da Câmara Machado A, Martín A, Fogher C, Donini P, Lee D (2008) Standardization of a set of microsatellite markers for use in cultivar identification studies in olive (*Olea europaea* L.). *Scientia Horticulturae* 116(4): 367-373. DOI: 10.1016/j.scienta.2008.02.005; IF=1.396 [Q1, Horticulture]
- [49] Monteiro L, Lopes DJH, Monjardino P, Lopes MS, Baptista C, Mendonça D, Carvalho CF, Domingues A, Melo M, da Câmara Machado A (2008) Survey, Phenologic Development and Molecular Characterization of Chestnut Traditional Varieties from Terceira Island Made by Germobanco III Project. II Iberian Congress on Chestnut. Vila Real, Portugal, 20.-22. 6.2007. *Acta Horticulturae* 784: 127-131. [Q4, Horticulture]

- [48] Maghuly F, da Câmara Machado A, Leopold S, Ali Khan M, Katinger H, Laimer M (2007) Long-term stability of marker gene expression in *Prunus subhirtella*: A model fruit tree species. *Journal of Biotechnology* 127: 310-321. DOI: 10.1016/j.jbiotec.2006.06.016; IF=3.340 [Q1, Biotechnology]
- [47] Laimer M, Maghuly F, Khan M, Sommerbauer T, Schartl A, Leopold S, Katiger H, Mendonça D, da Câmara Machado A (2006) Transformation of woody species: state of the art. *Acta Hort. (ISHS)* 725: 747-752. [Q4, Horticulture]
- [46] Sabino Gil F, Busconi M, da Câmara Machado A, Fogher C (2006) Development and characterization of microsatellite loci from *Olea europaea*. *Molecular Ecology Notes*. 6(4): 1275-1277. DOI: 10.1111/j.1471-8286.2006.01513.x; IF=7.432 [Q1, Biotechnology, Ecology, Evolution, Behavior and Systematics, Genetics]
- [45] Lopes MS, Rodrigues dos Santos M, Eiras Dias JE, Mendonça D, da Câmara Machado A (2006) Discrimination of Portuguese grapevines based on microsatellite markers. *Journal of Biotechnology* 127: 34-44. DOI: 10.1016/j.jbiotec.2006.06.006; IF=3.340 [Q1, Biotechnology]
- [44] Lopes MS, Maciel GB, Mendonça D, Gil FS, da Câmara Machado A (2006) Isolation and characterization of simple sequence repeat loci in *Rubus hochstetterorum* and their use in other species from the *Rosaceae* family. *Molecular Ecology Notes* 6: 750-752. DOI:10.1111/j.1471-8286.2006.01329.x; IF=7.432 [Q1, Biotechnology, Ecology, Evolution, Behavior and Systematics, Genetics]
- [43] Maghuly F, Leopold S, da Câmara Machado A, Fernandez EB, Ali Khan M, Gambino G, Gribaudo I, Schartl A, Laimer M (2006) Molecular characterization of grapevine plants transformed with GFLV resistance genes: II. *Plant Cell Reports* 25: 546-553. DOI: 10.1007/s00299-005-0087-0; IF=2.509 [Q1, Plant Science]
- [42] Lopes MS, Mendonça D, Cymbron T, Valera M, da Costa Ferreira J, da Câmara Machado A (2005) The Lusitano horse maternal lineage based on mitochondrial D-loop sequence variation. *Animal Genetics* 36: 196-202. DOI:10.1111/j.1365-2052.2005.01279.x; IF=2.584 [Q1, Animal Science and Zoology]
- [41] Laimer M, Mendonça D, da Câmara Machado A, Maghuly F, Khan M, Katinger H (2004) Resistance breeding against PPV in Austria: state of the art. *Phytopathologia Polonica* 36: 97-105.
- [40] Lopes MS, Mendonça D, Sefc KM, Sabino Gil F, da Câmara Machado A (2004) Genetic evidence of intra-cultivar variability within Iberian olive cultivars. *HortScience* 39(7): 1562-1565. IF=0.94 [Q2, Horticulture]
- [39] Fujaco A, Mendonça D, Borges PAV, Laimer M, da Câmara Machado A (2003) Interpreting the taxonomy and biogeography of *Hipparchia azorina* complex based on mtDNA analysis (Lepidoptera, Nymphalidae). *Arquipélago* 2: 61-75.
- [38] Rico Pires V, Mendonça D, Lopes MS, Sabino Gil F, Müller S, da Câmara Machado A (2003) Caracterização das populações de gado açoreanas através de microssatélites e suas relações genéticas com raças continentais. *Arquipélago* 2: 13-21.
- [37] Sefc KM, Steinkellner H, Lefort F, Botta R, da Câmara Machado A, Borrego J, Maletic E, Glössl J (2003) Evaluation of the genetic contribution of local wild vines to European grapevine cultivars. *American Journal of Enology and Viticulture* 54(1): 15-21. IF=1.826 [Q1, Food science]
- [36] Lopes MS, Sefc KM, Laimer M, da Câmara Machado A (2002) Identification of microsatellite loci in apricot. *Molecular Ecology Notes* 2: 24-26. DOI:10.1046/j.1471-8286.2002.00132.x; IF=7.432 [Q1, Biotechnology, Ecology, Evolution, Behavior and Systematics, Genetics]
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Science]

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COMMUNICATIONS IN SCIENTIFIC MEETINGS

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ORGANIZATION OF SCIENTIFIC MEETINGS

- 10th Dorothy Russell Havemeyer Foundation International Equine Genome Mapping Workshop. 10 a 13 de Julho de 2013, Furnas, S. Miguel, Açores.
- 3as Jornadas de Biotecnologia. 6 e 7 de Outubro e 5 de Novembro e 2011, Angra do Heroísmo, Terceira, Açores.
- IV Jornadas Científicas: Equinicultura. 29 a 30 de Abril de 2007, Angra do Heroísmo, Terceira, Açores.
- Ciclo de Conferências: Biotecnologia e Sociedade. 9 de Abril a 3 de Dezembro de 2005, Angra do Heroísmo, Terceira, Açores.
- Encontro de Biotecnologia. 14-15 Maio 2004, Angra do Heroísmo, Terceira, Açores.
- 3^{as} Jornadas Científicas de Toiro de Lide. 9-11 Março 2001, Angra do Heroísmo, Terceira, Açores.
- 23rd EUCARPIA "Fodder Crops and Amenity Grasses Section". 1-3 Outubro 2000, Angra do Heroísmo, Terceira, Açores.
- COST 822 Molecular Biology and Differentiation and Transformation. 2-5 Setembro 1999, Angra do Heroísmo, Terceira, Açores.
- 1^o Encontro de Biotecnologia dos Açores: "A Biotecnologia no Desenvolvimento de uma Região Periférica". 16-17 Julho 1999, Angra do Heroísmo, Terceira, Açores.
- 2^{as} Jornadas Científicas de Toiro de Lide. 19-21 Março 1999, Angra do Heroísmo, Terceira, Açores.
- 1^{as} Jornadas Científicas de Toiro de Lide. 17-18 Junho 1998, Angra do Heroísmo, Terceira, Açores.
- 1^o Curso de Pós-graduação em Engenharia Genética para o Melhoramento de Plantas: Resistência de Plantas a Vírus. 3-12 Outubro 1994, Lisboa, Departamento de Fitopatologia, Estação Agronómica Nacional, INIA, Oeiras.

SCIENTIFIC ADVISER

1995: sent by the USDA to Merida, Venezuela, as an expert in *Plum pox virus*.

1993: sent by FAO to Kostinbrod, Bulgária, as an expert in Plant biotechnology, adviser in "Fruit trees somatic embryogenesis".

1993: sent by FAO to Havana and Santa Clara, Cuba, as an expert in Plant biotechnology, adviser in "Banana Fruit trees somatic embryogenesis" to continue the work initiated by Dr. F. Novak.

INTERNATIONAL COOPERATIONS

Present: Equine Genetic Diversity Consortium

(<https://www.equine.umn.edu/research/equine-genetics-and-genomics-laboratory/equine-genetic-diversity-consortium>)

Present: Horse Genome Project (<https://www.uky.edu/Ag/Horsemap/welcome.html>)

1994-1998: COST 822 (formerly 87) "Development of integrated systems for large scale propagation of elite plants using *in vitro* techniques"

1994-1998: COST 823 (88) "New techniques to improve phytodiagnosis"

1994-1997: Concerted Action CT 93-0847 "Genetic Transformation of Fruit tree Species for the safer Control of Pests and Diseases and for the improvement of Fruit Harvesting Qualities" supported by the EC in the frame of AIR 3. (Partners: HRI East Malling, UK, INRA Angers, Departement Biotechnologie, Gembloux, University Leuven, University Wageningen, University Alnarp, University Lisbon, University Dublin)

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PRIZES AND AWARDS RECEIVED

2007 - ADVID 2007 - Álvaro Baltasar Moreira da Fonseca, given by the "Associação para o Desenvolvimento da Viticultura Duriense", for the contribution of the development of viticulture in Douro DOP region, for the work: Lopes M.S., Rodrigues dos Santos M., Eiras Dias J.E., Mendonça D. and da Câmara Machado A. 2006. Discrimination of Portuguese grapevines based on microsatellite markers. *J. Biotech.* 127: 34-44.1998 -

1998 - Rudolf Hermann Award in Horticulture and Viticulture

1998 - Bodenkulturpreis der Wirtschaftskammer Wien.

1992 - Prize of the Austrian Society for Biotechnology (ÖGBT - Österreichische Gesellschaft für Biotechnologie) for the "Regeneration of transgenic plants of *Prunus armeniaca* containing the coat protein gene of Plum Pox Virus"

LANGUAGE SKILLS

Language	Reading	Writing	Conversation
Portuguese	Excellent	Excellent	Excellent
English	Excellent	Good	Excellent
German	Excellent	Good	Excellent
French	Excellent	Good	Good