

CURRICULUM VITAE

Name: José Manuel Peixoto Teixeira Leitão [Ph.D., Habilitated, Professor (full)]

Birthdate/Birthplace: 24-06-1952, Braga, Portugal

Nationality: Portuguese

Wife: Isabel da Encarnação Pires dos Santos Valente

Working address:

Universidade do Algarve

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Academic Awards

Doctor Honoris Causa (2011) - Agrarian University, Plovdiv, Bulgaria.

Excellent student (1978 -1981)

Excellent diploma (Awarded with a PhD fellowship)

Academic Career

2003 - Full Professor (University of Algarve)

2000-2003 - Associate Professor (Habilitated) (University of Algarve)

1996-2000 - Associated Professor (University of Algarve)

1989-1996 - Assistant Professor (University of Algarve)

1988 -1989 - Young Researcher at the LNETI (Sacavém, Portugal)

Academic education (degrees):

High School: Nampula, Mozambique (1969)

Agriculture Engineer: Higher Institute of Agronomy, Plovdiv, Bulgaria (1982)

Ph.D. (Cell Biology): Faculty of Sciences, University of Lisbon (1988).

Habilitation (Genetics and Plant Breeding) - University of Algarve (2000)

Visiting Scholar/Professor:

-2016 (3 months) Paissi Hilendarski University, Plovdiv, Bulgaria (Host. Profs. Valia Toneva and Ivan Minkov)

-2012 (1 month) - Helmholtz Center Munich, Germany (Host - Prof. Dr. Jörg Schnitzler)

-2007 (3 months) - BIO5 Institute, University of Arizona, Tucson, USA (Host - Prof. Dr. Vicky Chandler)

-2004 (8 months) - University of Georgia, USA (Host - Prof. Dr. Andrew Paterson)

-1999 (3 months) - Stanford University, CA, USA (Host - Nobel Laureate Prof. Dr. Arthur Kornberg)

-1993, 1996, 1998 (total 12 months) - College of Medicine, PennState University, USA (Host - Prof. Dr. Anthony Pegg)

-1992, 1993, 1995, 2005, 2008 (total 20 months) - University of Mainz, Germany (Host - Prof. Dr. Heinz C. Schroder)

-1989 (6 months) - Institute of Plant Genetic Engineering, Kostinbrod, Bulgaria (Host - Prof. Dr. Atanas Atanassov).

University administration:

2011 - 2019 - Director of the Ph.D. program in Agrarian Sciences.
2011 – 2015 – Director of the first cycle course (3 years) in Biotechnology.
2010 - Head of the Department of Biology and Bioengineering, Faculty of Sciences and Technology
2005 - 2007 - Chair of the Scientific Committee, Faculty of Engineering of Natural Resources, University of Algarve
2000-2004 - Director (Dean) of the Faculty of Engineering of Natural Resources, University of Algarve

Other academic activities:

Member of numerous evaluation committees of applications for academic and research positions. Member of evaluation committees of application for Ph.D. and Post-doc fellowships and national research projects. Member of numerous evaluation committees of diploma works, Master dissertations, PhD thesis and Habilitation degrees.

Teaching:

Undergraduate courses: Advanced Genetics, Functional Genomics, Genetic Engineering, Plant Breeding, Molecular Biology and Plant Biotechnology.

Postgraduate courses: Genomics and Transcriptomics; Advanced Genetic Engineering; Plant Genetic Improvement.

Research Field/ Areas of interest

Plant genomics. Plant genetics. Transcriptomics. Genetic and physical mapping of plant genomes. Gene map based cloning. Plant breeding (experimental mutagenesis). Epigenetics: paramutation in plants. Genetic diversity assessment. DNA repair. Cell cycle.

Research Projects (PI – Principal Investigator):

- Isolation and characterization of genes Involved in mutagenesis (Research contract – International Atomic Energy Agency, Vienna)
- Mapping new mutated genes conferring resistance to powdery mildew in *Pisum sativum* L. (Research contract: International Atomic Energy Agency, Vienna)
- Construction of an integrated genetic map of Pineapple (FCT, Portugal).
- Map based cloning of a downy mildew resistance gene in *Brassica oleracea* L. (FCT, Portugal)
- Identification and genomic mapping of a genetic resistance to *Phomopsis amygdali* in almond. (FCT, Portugal).
- Citrus breeding by classical and biotechnological methods (FCT, Portugal)

Research Projects (Coordinator of the UALg team):

- Genetic resources and breeding of strawberry tree (*Arbutus unedo* L.) (PDR2020-7.8.4-FEADER-042697)
- REMIRucula: Characterization of wild rocket resistance to mildew.
- EST sequencing in *Quercus suber* (2008,FCT, Portugal)
- Genetic and molecular characterization of the resistance to downy mildew in *Brassica oleracea* (2000-2004) (FCT,Portugal)
- Genetic resources of Cucurbitaceae: Pumpkin and watermelon (Agro n° 58.)
- Characterization of the Portuguese apple and pear varieties by biomolecular methods (FCT , Portugal)
- Evaluation and utilization of pineapple genetic resources from the Amazon to breed resistant varieties (European INCO project)

Organization of scientific meetings:

- Convener of the International Symposium on New Developments in Plant Genetics and Breeding XXVIII International Horticultural Congress on Science and Horticulture for People (IHC2010), Lisbon, Portugal
- Convener of the I Meeting of the National Platform on Plant Functional Genomics, 13-14 de Julho, 2007, Faro.
- Convener of the Third International Symposium on Fig, Vilamoura, Portugal, 2005.
- Co-convener of the National Meeting on Plant Biotechnology, Universidade do Algarve, 1999.
- Convener of the XXVIII Jornadas Luso-Espanholas de Genética (Spanish-Portuguese Genetics Symposium), 15-17 Setembro, 1993.

Supervision and co-supervision:**Post-Docs -**

- Jorge Daniel Dias Carlier (2007-2013) - Map based cloning of genes conferring resistance to downy mildew in *Brassica oleracea* L.
- Mário Jorge Amaro de Jesus Farinhó (2007-2010)- Molecular identification of the powdery mildew resistance gene *er1* in *Pisum sativum* L.

Visiting Post-docs:

Diyana Svetleva - Professor Agricultural University, Plovdiv, Bulgaria - 1 year.

Ph.D Thesis (full):

- Ricardo Pereira (2018 – ongoing) – Selection and genetic improvement of strawberry tree (*Arbutus unedo* L.)
- Tatiana Santo (2015) - Molecular mechanisms of the “rogue” paramutation in *Pisum sativum* L.
- Maria da Graça Mendonça Pereira (2007) - Identification of molecular markers linked to a powdery mildew resistant gene in *P. sativum* L.
- Jorge Daniel Dias Carlier (2006) - Genetic Mapping of Pineapple
- Mário Jorge Amaro de Jesus Farinhó (2006)- Mapping of a downy mildew resistant gene in *Brassica oleracea* L.
- Natalia Marques (2004)- Study of Citrus Tristeza Virus genetic variability and obtaining of sour orange plants resistant to CTV

Ph.D. Thesis (partial)

- Pedro Talhinhos (ISA Lisbon) - 1 year
- Jose Goulão - (ISA Lisbon) - 1 year
- Najat Handaji – (INRA, Kenitra, Maroc) – 2 years
- Helena Apostolova (Agricultural University, Plovdiv) - 1 year
- Maya Rashkova (University of Plovdiv, Paisii Hilendarski, Bulgaria) - 1 year
- Silviya Vasileva (Agricultural University, Plovdiv, Bulgaria) - 5 months

Master Thesis:

- André Cardoso (2019) - Establishment of a broad-spectrum marker for *er1*/PsMLO1 powdery mildew resistance in pea (*Pisum sativum* L.)
- Ricardo Pereira (2015)- “Differential expression in “rogue” paramutation in peas (*Pisum sativum* L.) : from mRNA to siRNA”. M.Sc. in Biological Engineering.

- Juaci Neto (2014)"Formação de camadas de biosílica ou dióxido de titânio em nanopartículas de Fe₃O₄ a partir da imobilização de Glu-tag silicateína- α "
- Margarida Carvalheira (2014) "Síntese de Biosílica em fibras de policaprolactona, produzidas por electrospinning, a partir da imobilização de Cys-tag Silicateína- α ".
- Pedro Fazenda (2013) "Identificação de marcadores SSR e de SNPs em medronheiro (*Arbutus unedo* L.) por sequenciação massiva paralela".
- Nelson de Sousa (2010) "Construction of an Integrated Genetic Map of pineapple (*Ananas comosus* (L.) Merrill)". M.Sc in Biological Engineering.
- Cristina Gamboa (2009) "Polymorphisms in exons 2 and 3 of O⁶-alkylguanine-DNA-alkyltransferase gene in oncology patients and non-patients". M.Sc. in Biothecnology.
- Sandra Cadima (2009) "Polymorphisms in the promoter and exons 4 and 5 of O⁶-alkylguanine-DNA-alkyltransferase gene in oncology patients and non-patients". M.Sc. in Biothecnology
- Claudia Alabaça C (2009)"Identification of molecular markers linked to the downy mildew resistance gene PpAlgl in 'Couve Algarvia' (*Brassica oleracea* var tronchuda)" M.Sc. Biological Engineering
- Cátia Marques (2007) "Fine mapping of the genomic region encompassing the er locus in *Pisum sativum* L." (Master thesis defended at the Cranfield University, UK)

Diploma Works and Other Internships (e.g. from IAEA) - Over 50

Scientific Publications:

Books (editor)

- XXVIII International Horticultural Congress on Science and Horticulture for People (IHC2010): International Symposium on New Developments in Plant Genetics and Breeding. (2012). **J M Leitão** (Ed.).Acta Horticulturae (ISHS) 935
- Proceedings of the Third International Symposium on Fig, 2008. **J Leitão** and M A Neves (EDs.) Acta Horticulturae 798, ISHS.
- Proceedings of the XXVIII Jornadas Luso-Espanholas de Genética (Spanish-Portuguese Genetics Symposium), 15-17 Setembro, 1993, **J Leitão** (Ed.)

Journals (Editor of Special Issues)

- Epigenomes (Special issue on Plant Epigenetics) - 2019

Book Chapters:

- José Leitão** (2018) Genetic Mapping in Pineapple. In: Genetics and Genomics of Pineapple (Ed. R. Ming), pp.61-68 (DOI: 10.1007/978-3-030-00614-3_5)
- José M Leitão** (2012) Chemical mutagenesis. In: Plant Mutation Breeding and Biotechnology. Q Shu, B Forster, H Nakagawa (Ed.). IAEA/FAO. Vienna. CABI international. pp 135 -158. (DOI: 10.1079/9781780640853.0135)
- Richar L Bell and **José Manuel Leitão** (2011) Cydonia (In) Wild Crop Relatives: Genomic and Breeding Resources, Temperate Fruits. Chittaranjan Kole (Ed.), Springer-Verlag Berlin Heidelberg : 1-16 (DOI 10.1007/978-3-642-16057-8_1)
- Jorge D Carlier, Geo C D'Eeckenbrugge and **José M Leitão** (2007) Pineapple. In: Kole C (ed) Genome Mapping and Molecular Breeding in Plants. Springer-Verlag, Heidelberg, Germany. Fruits and Nuts, V 4: 331- 342.
- Schöder HC, U Scheffer, J Leuck, S. Perovic, A Séve, **J M Leitão** and WEG. Müller (1996). Glycoprotein-lectin interactions of prion protein. Possible roles in patogenesis of the disease process caused by Scrapie prion protein. p In: Lectins: Biology, Biochemistry, Clinical Biochemistry – Vol. 11: 293-306. Textop, Hellerup (Denmark).

Publications (International Peer Reviewed Journals)

- Fazenda P, Pereira R, Fonseca M, Carlier J and J Leitão (2019) Identification and validation of microsatellite markers in strawberry tree (*Arbutus unedo* L.) (Turk J Agric For) 43: 430-436 doi:10.3906/tar-1807-164
- Ma Y, Coyne CJ, Main D, Pavan S, Sun S, Zhu Z, Zong X, Leitão J, RJ McGee (2017) Development and validation of breeder-friendly KASPar markers for *er1*, a powdery mildew resistance gene in pea (*Pisum sativum* L.) Mol Breeding 37: 151. <https://doi.org/10.1007/s11032-017-0740-7>
- Cardoso A, Pereira R, Fonseca M, J Leitão (2017) A microsatellite sequence in the fifth intron provides a broad-spectrum SSR marker for multiple alleles of the *er1*/PsMLO1 powdery mildew resistance gene in *Pisum sativum* L. Molecular Breeding 37:84 First Online: DOI: 10.1007/s11032-017-0685-x
- Santo TE, Pereira RJ, JM Leitão (2017) The Pea (*Pisum sativum* L.) Rogue Paramutation is Accompanied by Alterations in the Methylation Pattern of Specific Genomic Sequences. Epigenomes 1(1), 6; doi:10.3390/epigenomes1010006
- Silva DV, Duarte JM, Miguel MG and **JM Leitão** (2017) AFLP assessment of the genetic relationships among 12 *Thymus* taxa occurring in Portugal. Plant Genetic Resources 15 (1): 89-92
- Miguel A, Vega-Bartol J, Marum L, Chaves I, Santo T, **Leitão J**, Varela MC, C M Miguel (2015) Characterization of the cork oak transcriptome dynamics during acorn development, BMC Plant Biology 15:158.
- Pereira-Leal JB, Abreu IA, Alabaça CS, Almeida MH, ... **Leitao J** et al. (2014) A comprehensive assessment of the transcriptome of cork oak (*Quercus suber*) through EST sequencing. *BMC Genomics*. 15(1):371.
- Cabrita L, Apostolova E, Neves A, Marreiros A, **Leitão J** (2014) Genetic diversity assessment of the almond (*Prunus dulcis* (Mill.) D.A. Webb) traditional germplasm of Algarve, Portugal, using molecular markers, *Plant Genetic Resources: Characterization and Utilization* 12(S1); S164–S167;
- Rodrigues R, Veigal I, Marreiros A, Rocha F, **Leitão J** (2014) Use of DNmarkers corrected the misclassification of species in the Portuguese collection of *Cucurbita pepo* L., *Plant Genetic Resources: Characterization and Utilization* 12(S1); S160–S163;
- Santo T, M Rashkova, C Alabaça and **J Leitão** (2013) The ENU-induced powdery mildew resistant mutant pea (*Pisum sativum* L.) lines S(*er1mut1*) and F(*er1mut2*) harbour early stop codons in the *PsMLO1* gene. Molecular Breeding, 32 (3): 723-727.
- Sousa N, J Carlier, T Santo and **J Leitão** (2013) An integrated genetic map of pineapple (*Ananas comosus* (L.) Merr.) Scientia Horticulturae. 157 : 113–118
- Carlier JD, CA Alabaça, PS Coelho, AA Monteiro and **JM Leitão** (2012) The downy mildew resistance locus Pp523 is located on chromosome 8 of *Brassica oleracea* L. Plant Breeding, 131 (1): 170–175
- Carlier JD, NH Sousa, TE Santo, GC d'Eeckenbrugge and **J M Leitão** (2012) A genetic map of pineapple (*Ananas comosus* (L.) Merr.) including SCAR, CAPS, SSR and EST-SSR markers. Molecular Breeding. 29 (1): 245-260
- Carlier JD, CS Alabaça, NH Sousa, PS Coelho, AA Monteiro, AH Paterson and **JM Leitão** (2011) Physical mapping in a triplicated genome: mapping the downy mildew resistance locus Pp523 in *Brassica oleracea* L. G3: Genes, Genomes, Genetics. 1 (7): 593-601
- Marques NT, GB Nolasco, **JM Leitão** (2011) Factors affecting in vitro adventitious shoot formation on internode explants of *Citrus aurantium* L. cv. Brazilian Scientia Horticulturae. 129 (2): 176-182
- Pereira G and **J Leitão** (2010) Two powdery mildew resistance mutations induced by ENU in *Pisum sativum* L. affect the locus *er1*. Euphytica, 171 (3): 345-354.
- Pereira G, Marques C, Ribeiro R, Farinhó M, Formiga S, Dâmaso M, Sousa MT and **J Leitão** (2010) Identification of DNA markers linked to an induced mutated gene conferring resistance to powdery mildew in pea (*Pisum sativum* L.). Euphytica, 171 (3): 327-335.
- Carlier JD, **JM Leitão** and F Fonseca (2008) Population genetic structure of *Cistus ladanifer* L. (Cistaceae) and genetic differentiation from co-occurring *Cistus* species. Plant Species Biology 23: 141–151.

- Farinhó M, P Coelho, A Monteiro and **J Leitão** (2007) SCAR and CAPS markers flanking the *Brassica oleracea* L. Pp5323 downy mildew resistance locus demarcate a genomic region syntenic to the top arm end of Arabidopsis thaliana L. chromosome 1. *Euphytica* 157:215–221.
- Svetleva D, G Pereira, J Carlier, L Cabrira, **J Leitão** and D Genchev (2006) Molecular characterization of *Phaseolus vulgaris* L. genotypes included in Bulgarian collection by ISSR and AFLP analysis. *Scientia Horticulturae* 109: 198-206
- Talhinhas P, **J Leitão** and J Neves-Martins (2006) Collection of *Lupinus angustifolius* L. Germplasm and Characterisation of Morphological and Molecular Diversity. *Genetic Resources and Crop Evolution*. 53: 563-578
- Farinhó M, J Carlier J, D Svetleva, P Coelho, A Monteiro and **J Leitão** (2004) Mapping of a locus for adult plant resistance to downy mildew in broccoli (*Brassica oleracea* convar. *italica*) *Theoretical and Applied Genetics* 109: 1392-1398
- Carlier J, A Reis, M-F DuvalL, G C D’eeckenbrugge and **J Leitão** (2004) Genetic maps of RAPD, AFLP and ISSR markers in *Ananas bracteatus* and *A. comosus* using the pseudo-testcross strategy. *Plant Breeding*, 123, 186-192.
- Talhinhas P, J Neves-Martins and **J Leitão** (2003) AFLP, ISSR and RAPD markers reveal high levels of genetic diversity among *Lupinus* spp. *Plant Breeding* 122, 507-510.
- Goulão L, L Cabrira, C Oliveira and **J Leitão** (2001) Comparing RAPD and AFLPTM analysis in discrimination and estimation of genetic similarities among apple (*Malus domestica* Borkh.) cultivars, *Euphytica*, 119, 3:259-270.
- Cabrira L, U Akasoy, S Hepaksoy and **J Leitão** (2001) Suitability of isozyme, RAPD and AFLP markers to assess genetic differences and relatedness among fig (*Ficus carica* L.) clones. *Scientia Horticulturae*: 87: 261-273.
- Monte-Corvo L, L Cabrira, C Oliveira and **J Leitão** (2000) Assessment of genetic relationships among *Pyrus* species and cultivars using AFLP and RAPD markers. *Genetic Resources and Crop Evolution*. 47: 257-265.
- Alberto F, R Santos and **J Leitão** (2000) Assessing patterns of geographical dispersal of *Gelidium sequepedale* (Rhodophyta) through RAPD differentiation of populations. *Marine Ecology Progress Series*. 191: 101-108.
- Elisiário PJ, GG Santos, AR Guerreiro, P Ollitrault F Luro and **J Leitão** (1999) Isozyme analysis revealed that mandarin “Carvalhais” originated as a single clone”. *Scientia Horticulturae*. 82 (1-2):147-154.
- Xu-Welliver M, **J Leitão**, S Kanugula, WJ Meehan and A E Pegg (1999) The role of codon 160 in sensitivity of human O6-alkylguanine-DNA alkyltransferase to O6-benzylguanine, *Biochem. Pharmacol.* 58(8): 1279-1285.
- Elisiário PJ, EM Justo and **J M Leitão** (1999) Identification of mandarin hybrids by isozyme and RAPD analysis. *Scientia Horticulturae*. 81(3): 287-300.
- Xu-Welliver M, **J Leitão**, S Kanugula and A E Pegg (1999) Alteration of the conserved residue tyrosine-158 to histidine renders human O6-alkylguanine-DNA alkyltransferase insensitive to the inhibitor O6-Benzylguanine, *Cancer Res.* 59:1514-1519.
- Justo E, P Elisiário, C Jacquemond and **J Leitão** (1998) Variety purity assessment of fifteen citrus rootstocks by isozymes prior to field trial implementation. *Fruits* 53: 325-330.
- Lorenz B, J Munkner, MP Oliveira, **JM Leitão**, WEG.Muller and HC Schroder (1997) A novel method for determination of inorganic polyphosphates using the fluorescent dye fura-2. *Anal. Biochem.* 246: 176-184.
- Lorenz B, J Munkner, MP Oliveira, A Kuuskalu, **JM Leitão**, WEG Muller and HC Schroder (1997) Changes in metabolism of inorganic polyphosphates in rat tissues and human cells during development and apoptosis. *Biochem. Biophys. Acta* 1335: 51-60.
- Alberto F, R Santos and **JM Leitão** (1997). DNA extraction and RAPD markers to assess the genetic variability among *Gelidium sesquipedale* (Rhodophyta) populations. *J. Phycol.* 33: 706-710.

- Leitão JM**, B Lorentz, N Bachinski, C Wilhelm, WEG Muller and HC Schroder (1995) Osmotic stress-induced synthesis and degradation of inorganic polyphosphates in the alga *Phaeodactylum tricorutum*. Mar. Ecol. Prog. Ser. 121: 279-288.
- Mangel A, JM Leitão, R Batel, H Zimmermann, WEG Muller and HC Schroder (1993) Purification and characterization of a pore-forming protein from the marine sponge *Tethya lyncurium*. Eur. J. Biochem. 210: 499-507.
- Leitão J**, S Petkova and L Djondjurov (1987) The induction of DNA strand-breaks at specific sites by N-nitroso-N-ethylurea depends on the phases of the cell cycle. Mutation Research 180: 239-248.
- Leitão JM**, SD Petkova and L Djondjurov (1986) A method for cell synchronization in apical shoot meristems of *Pisum sativum* L. Dokladi na Bolgarskata Akademiya na Naukite, (Comptes Rendus de l'Academie Bulgare des Sciences) 39 (8): 133-136.

Articles in Meeting Proceedings (peer reviewed)

- Carlier J, C Alabaça, C Rodrigues and **J Leitão** (2013). On the Way to the Identification of a Downy Mildew Resistance Gene in *Brassica oleracea* L. Acta Hort. (ISHS) 1005:233-237
- Carlier J, L Cabrita, RM Sousa, AT Sousa and **J Leitão** (2011) ISSR and AFLP Characterization of *Phomopsis amygdali* (Del.) Tuset & Portilla Accessions. Acta Hort. (ISHS) 912:645-650.
- Apostolova E, J. Carlier, **J Leitão** and D. Svetleva (2009) Identification of RAPD markers linked to the Fin and P loci in *Phaseolus vulgaris* L. Acta Hort. (ISHS) 830:101-106
- Carlier JD, Nancheva D, G Cs D'eeckenbrugge and **JM Leitão** (2006) Genetic mapping of DNA markers in pineapple. Acta Hort (ISHS). 702:79-86.
- d'EEckenbrugge GC, JRS Cabral, AP Matos, J Carlier, **J Leitão**, MF Duval, JL Noyer, FR Ferreira, F Leal, L Maggioni and Z Suarez (2005) Main results from the EU-funded Project "Evaluation and utilization of pineapple genetic resources from the Amazon to breed resistant varieties". Acta Hort 666 (ISHS): 77-82.
- Handaji N, J Carlier, L Cabrita, HB Yahia and **J M Leitão** (2005) Evaluation of genetic diversity among mandarins germplasm in INRA Morocco by molecular markers. Journal of Biotechnology 118: S155.
- Handaji N, J Carlier, L Cabrita, HB Yahia and **J M Leitão** (2005) Identification of Morocco hybrid mandarin "Nadorcott" using isozymes, ISSR, RAPD and AFLP. Journal of Biotechnology 118: S155.
- Marques NT, G Nolasco and **J Leitão** (2004) *Agrobacterium*-mediated transformation of *Citrus aurantium* cv. Brazilian. Proc. Int. Soc. Citriculture, 194-198.
- Cabrita L, Neves A and **J Leitão** (2004) Evaluation of resistance to *Phomopsis amygdali* in almond. Acta Hort. (ISHS) 663:235-238
- Talhinhas P, J Neves-Martins and **J Leitão** (2004). Inter- and intra-specific genetic diversity in Lupinus evaluated with AFL P, ISSR and RAPD markers. pp. 7-9. In: E. van Santen and G.D. Hill (eds). Wild and Cultivated Lupins from the Tropics to the Poles. International Lupin Association, Canterbury , New Zealand .
- Cabrita L, P Elisiário, A Guerreira and **J Leitão** (2001) Assessment of the genetic relationships among citrus species and varieties by isozyme and RAPD markers. Acta Hort (ISHS) 546: 177-181.
- Pereira G, M Sousa and **J. Leitão** (2001) Identification of molecular markers linked to powdery mildew (*Erysiphe pisi* Syd.) resistance mutated genes in *Pisum sativum*. Acta Hort (ISHS), 546: 615-618.
- Leitão JM**, PJ Elisiário, LF Cabrita, EM Justo, GM Pereira, AP Jacob, JD Carlier and MJ Farinhó (2000) Molecular markers in genetic variability assessment, cultivar fingerprinting and hybrid identification in fruits and vegetables. Acta Hort (ISHS), 521: 185-192.
- Elisiário PJ, MC Neto, LF Cabrita and **JM Leitão** (1998) Isozyme and RAPDs characterization of a collection of fig tree (*Ficus carica* L.) traditional varieties. Acta Hort (ISHS) 480: 149-154.
- d'EEckenbrugge GC, JRS Cabral, J Carlier, MF Duval, FR Ferreira, F Leal, **J Leitão**, AP Matos, JL Noyer and Z Suarez (1998) The EU-funded project "Evaluation and utilization of pineapple genetic resources from the Amazon to breed resistant varieties". Acta Hort (ISHS), 529: 169-174

Leitão JM, MG Pereira and MT Sousa (1998) A new powdery mildew (*Erysiphe Pisi* Syd.) resistant mutant of *Pisum sativum* L. Proceedings of 3th European Conference on Grain Legumes, 14-19 November, 1998, Valladolid, Spain. 118-119.

Leitão J, S Petkova, A Mechandjiev and L Djondjurov (1987) ENU and EMS treatment of synchronized shoot apex cells of *Pisum sativum* L. II International Symposium in Experimental Mutagenesis in Plants, Plovdiv, 341-346.

Other research articles (in English): 7

Other research articles (other languages): 3

Oral Communications: Over 40

Poster Communications: Over 100

Published DNA and protein sequences (uploaded to the National Center for Biotechnology Information - NCBI)

Genome Survey Sequences (GSS) - 232 ([www.ncbi.nlm.nih.gov/nucgss/?term=%22Leitao% 22](http://www.ncbi.nlm.nih.gov/nucgss/?term=%22Leitao%22))

DNA and RNA sequences - 1.647 (www.ncbi.nlm.nih.gov/gquery/?term=leitao+algarve).

DNA and RNA sequence read archive (SRA)- 1 *Arbutus unedo* nuclear - Restriction-Site Associated DNA (RAD) fragments sequencing (Ion Torrent PGM) run: 198,856 spots, 24.6M bases, 19.5Mb downloads ([http://www.ncbi.nlm.nih.gov/sra/?term= arbutus%20unedo](http://www.ncbi.nlm.nih.gov/sra/?term=arbutus%20unedo))

Other editorial work –

- Editorial Board member

- *Springer plus* (a Springer Open Journal) section Biomedical and Life Sciences (2015-July 2016 – stopped publication).

- JMAB - Journal of Mountain Agriculture on the Balkans (Trojan, Bulgaria).

- Agricultural Sciences (Edited by : Agricultural University – Plovdiv, Bulgaria)

- Reviewer

Theoretical and Applied Genetics, Gene, Molecular Breeding, BMC Genetics, Scientia Horticulturae, Tree Genetics and Genomes, Molecules, Journal of Experimental Botany, African Journal of Biotechnology, Euphytica, Journal of Plant Pathology, Molecular Biotechnology (MOBI), Molecular Biology Reports (MOLE), Plant Breeding, Journal of the American Society for Horticultural Science, Hortscience. Plant Physiology and Biochemistry, Journal of Integrative Agriculture