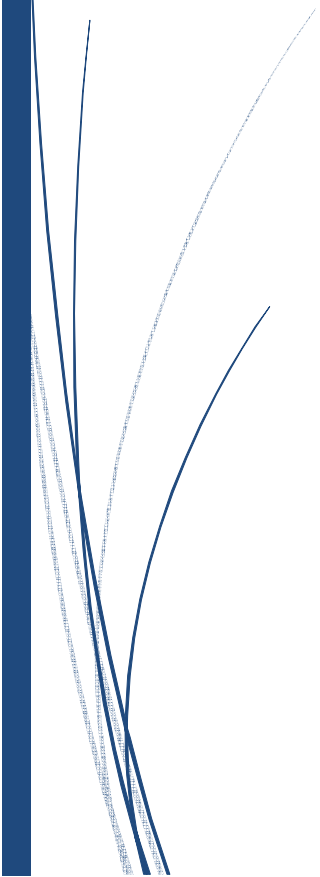


Curriculum vitae

Susana de Sousa Araújo

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1- Personal data

Name: Susana de Sousa Araújo

Birth date and Place: 29-08-1976, Aubervilliers, France.

Nationality: Portuguese

Skype address: susana.araujo.2014

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2- Publication indexing data

Name formats: Araújo, Susana S; De Sousa Araújo, Susana; Araújo,S.

Researcher ID: A-5482-2009

ORCID ID: 0000-0003-2823-088X

Scopus author ID: 9636203600

3 - Academic qualification

2007 - PhD degree in Biology, Instituto de Tecnologia Química e Biológica, New University of Lisbon, Portugal (Maximum grade: approved by unanimity).

2000 - Degree in Applied Plant Biology (pré-Bologna licentiate 5 years), Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal (Final grade: 16/20).

1995 - High school degree, Ancorensis Cooperativa de Ensino, CRL, Vila Praia de Âncora, Portugal (Final grade: 18/20).

4 -Research interests and expertise

4.1 -Research interests

- Seed development and germination (fundamental developmental aspects)
- Seed quality and technology (development of priming and enhancement treatments)
- Plant adaptation abiotic stresses, mainly water shortage (molecular and physiological responses)
- Genetically Modified Plants/Genome Editing (uses, impacts, regulatory aspects)
- Regulation of the gene expression (role of epigenome)

4.2 – Expertise/Skills

- Development of new seed tech methods for the industry.
- Seed developmental biology - fundamental research.
- Development of new methodologies to address research needs: transformation, physiology, phenotyping.
- Molecular biology.
- Physiology.
- Plant genetic engineering.
- Transcriptomics; Proteomics; Metabolomics
- Statistics (SPSS; Statistica).
- Bioinformatics (Sequence analysis, Primer design, NGS data handling and analysis).
- Grant writing – National and EU level.
- Accomplishment of national and international research funding (more 400 k€ for own research).
- Coordination and management of research projects, teams and grants.
- Establishment and participation in collaborative National and International networks (e.g ARIMNet and COST Actions).
- Advanced training of young researchers (Bsc, Msc and PhD students).
- Science communication to specific targets or stake-holders.
- Organization of national and international workshops, meetings and conferences.

5- Professional qualification

- **February 2016 to present date**

Post-Doctoral Researcher, Plant Cell Biotechnology Laboratory, ITQB-UNL, Portugal and Plant Biotechnology Laboratory, Department of Biology and Biotechnology 'L. Spallanzani', University Pavia, Italy.

Research topic:

- 1) Role of post-transcriptional regulation mechanisms in the control of seed development and seed germination in legumes.
- 2) Development of irradiation based seed invigoration protocols

- **March 2015 to December 2015**

Senior Researcher, Plant Biotechnology Laboratory, Department of Biology and Biotechnology 'L. Spallanzani', University Pavia, Italy.

Research topic:

- 3) System biology approaches to understand seed germination and seed priming in horticultural species of interest for seed companies – PrimTech Project.

- **July 2014 to January 2016**

Invited Researcher, Plant Cell Biotechnology Laboratory, ITQB-UNL, Portugal.

Research Topics:

- 1) Proteomic and transcriptomic profiling of the common bean seed development;
- 2) Proteomic, transcriptomic, metabolomic profiling of *Medicago truncatula* responses to water deficit and recovery;

- **July 2009- June 2014**

Associate Researcher, Veterinary and Animal Science group, Tropical Research Institute (IICT), Portugal

Invited Researcher, Plant Cell Biotechnology Laboratory, ITQB-UNL, Portugal.

Member of the Management Committee of the Mass Spectrometry Users, responsible for external academic services (since 2013).

Research Topics:

- 1) Study of the molecular adaptations of grain/forage legumes under salinity and drought stress using System Biology approaches – an approach to increase animal production in Tropical marginal environments;
 - 2) Proteomic and transcriptomic profiling of the common bean seed development;
 - 3) Proteomic and transcriptomic profiling of *Medicago truncatula* responses to water deficit and recovery;
 - 4) Identification of genes encoding for bitter taste receptors in several ruminants;
 - 5) Transcriptomic profiling of goat mammary gland under nutritional restriction;
-

- **February 2010 - August 2010**

Invited professor – Agrarian School of the Polytechnic Institute of Coimbra, Portugal.

1) **Teaching subject:** Genetic Engineering

- **July 2007- June 2009**

Post-doc Researcher at the Plant Cell Biotechnology Lab, ITQB-UNL (Portugal) with Professor Pedro Fevereiro and Molecular Physiology Lab, IMBIO, Bonn University (Germany) with Professor Dorothea Bartels.

Post-doc topic:

1) Improving resistance to water deficit in legumes by the expression of stress-regulated genes in the model *Medicago truncatula*.

- **August 2001 – June 2007**

ITQB-UNL PhD student at the Plant Cell Biotechnology Lab, ITQB-UNL, (Portugal) with Professor Pedro Fevereiro and Doctor Dulce Santos.

PhD topic:

1) Expression of the ELIP-like DSP22 in *Medicago truncatula*: an approach to improve the response of a legume plant towards water deficit.

- **September 1999 – December 2000**

FCUL/ITQB-UNL Undergraduated student at the Plant Cell Biotechnology Lab, ITQB-UNL (Portugal) with Professor Pedro Fevereiro and Doctor Dulce Santos.

Training topic:

- 1) Setting-up a transformation system for the model legume *Medicago truncatula* aiming the expression of a drought-related gene.

6 – Individual Grants and Awards

- **2016** -Post-Doctoral fellowship (SFRH/BPD/20825/2004), **Fundação para a Ciência e Tecnologia**, Portugal (~70 k€)
- **2015** – Scholarship as Senior Researcher at the Department of Biology and Biotechnology 'L. Spallanzani', University Pavia, Italy, under the scope of the **PRIMTECH** - Advanced Priming Technologies for the Lombardy Agro-Seed Industry. **Fondazione Cariplo (~30 k€)**
- **2014** - **Best Poster Award** - Lérias J, Peña R, Hernández-Castellano LL, **Araújo SS**, Castro N, Argüello A, Capote J, Saco Y, Bassols A and Almeida AM. Effect of body weight loss in biochemical and endocrine blood metabolites of Majorera and Palmera dairy goat breeds from the Canary Islands. **First Dairy Care Conference**, Copenhagen, Denmark
- **2013** - Short Term Scientific Mission to INRA, Jouy-en-Josas, France, from **TD1101 BMBS COST Action** “A Collaborative European Network on Rabbit Genome Biology (RGB-Net)” (**1,2 k€**)
- **2013** – Visiting scholarship to IUNG, Poland, under the scope of the **FP7 EU Project "Proficiency"** - FP7-REGPOT-2009-1-245751 (**0,8 k€**)
- **2012** - **1st Best Poster Award** - Morgado AR, Branco D, Fevereiro PS and Araújo SS. Could an extra shot of TPS confer better tolerance to water deficit stress in *Medicago truncatula*? VIth **International Conference on Legume Genetics and Genomics (ICLGG)**, Hyderabad, India
- **2012** - **3rd Best Poster Award** - Alcantâra A, Silvestre S, Morgado R, Marques da Silva J, Bernardes da Silva AB, Fevereiro P and Araújo SS. AtTPS1 expression in *Medicago truncatula*: water deficit imposition and physiological evaluation, EMBO Practical Course on Plant Bioinformatics: Going-OMICS - **EMBL-EBI**, Cambridge, UK.
- **2009** – 5 years research contract (2009-2014), Ciência 2008, **Fundação para a Ciência e Tecnologia**, Portugal . (**245 k€**)

- **2009** - Travel award of **Model Legume Congress**, UC Davis, USA **(0,5 k€)**
- **2007**- Registration grant of the organization of the **6th European Conference on Grain Legumes**, Lisbon, Portugal. **(0,7 k€)**
- **2007**- Post-Doctoral fellowship (SFRH/BPD/20825/2004), **Fundação para a Ciência e Tecnologia**, Portugal **(108 k€)**
- **2007** - Travel and lodging grant of the **European Science Foundation (ESF)** for attending the 2007 World Conference of Stress, Budapest, Hungary. **(0,8 k€)**
- **2007**-Travel and lodging grant of the **Gulbenkian's Foundation** for attending the International Conference on Plant Transformation Technologies, University Vienna, Austria. **(1k€)**
- **2005**- Travel and Registration Grant of the **InterDrought II Conference**, Roma, Italy
- **2005**-Travel Award of Model Legume Congress, **Model Legume Congress**, UC Davis, USA **(0,5k€)**
- **2001**-Doctoral fellowship (SFRH/BD/5225/2001), **Fundação para a Ciência e Tecnologia**, Portugal (4 years) **(48 k€)**

7 - Participation in research projects and networks

7.1 - Research projects:

a) As Principal Investigator or Institutional/Portuguese coordinator (5 projects):

1. **2014-2015** - PRIME-XS-0000288- **PRIME-XS European FP7 Proteomics Infrastructure**: Unraveling grain filling mechanism in *Phaseolus vulgaris* L. under water stress: a proteomics approach, IICT, MNE, Lisboa, Portugal. **(≈20 000€)**
2. **2014-2016** -PTDC/AGR-TEC/3555/2012-Exploiting Bean Genetics for food quality and attractiveness innovation. **Fundação para a Ciência e Tecnologia (FCT)**; Project coordinator: Dr Carlota Vaz Patto, ITQB-UNL, Oeiras, Portugal. **IICT Coordinator**: Susana Araújo **(13 810€)**
3. **2011-2014** - PTDC/AGR-GPL/110244/2009 - Deciphering grain filling mechanisms in *Phaseolus vulgaris* L. under water deficit. IICT, MNE, Lisboa, Portugal. **(189 000€)**

4. **2010-2013** -PTDC/AGR-GPL/099866/2008 - Integration of transcriptomic, proteomic and metabolomics profiles to understand the role of T6P in the water deficit response and recovery in *Medicago truncatula*. ITQB-UNL, Oeiras, Portugal. **(189 392€)**
5. **2010-2011** - Portuguese coordinator of Programa Pessoa (processo 441.00) - “ In vivo study of expressed genes during the response of *Medicago truncatula* towards abiotic stresses”- ITQB-UNL with Université Paris Est Creteil **(5 200€)**

b) As Scientific Consultant (1 international project):

1. **2016-2019**- PurpleWalls - Molecular regulation of xylogenesis in *Salix purpurea*. Funding from the polish National Center for Research (NCN). Project coordinator: Dr. Jorge Paiva, Institute of Plant Genetics Polish Academy of Sciences, Poznan, Poland

c) As member of the team (13 projects):

1. **2015-2018** -PTDC/AGR-TEC/0992/2014- QuaLaty - Deciphering the grass pea (*Lathyrus sativus*) quality riddle. How can the omics technologies contribute to a demand-driven improvement in legume quality? National funding from Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Dr Carlota Vaz Patto, ITQB-UNL, Oeiras, Portugal.
2. **2015-2018** - PTDC/AGR-FOR/0931/2014 - egoSELF: An Integrative Biology approach to study the molecular basis of inbreeding depression in *Eucalyptus globulus*. National funding from Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Dr. Jorge Paiva, IBET, Oeiras, Portugal.
3. **2014-2015** – **PRIMTECH** - Advanced Priming Technologies for the Lombardy Agro-Seed Industry. Funding from Regione Lombardia and **Fondazione Cariplo**. Project Coordinator: Dr Alma Balestrazzi, Dipartimento di Biologia e Biotecnologie “L. Spallanzani”, Pavia, Italy.
4. **2015-2016** - STRESSLESS – Comparative response to abiotic stresses between traditional landraces of grasspea (*Lathyrus sativus*) of Portuguese and Servian Origin. National funding from Cooperação Científica e Tecnológica FCT/Servia. Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Dr Carlota Vaz Patto, ITQB-UNL, Oeiras, Portugal.

5. **2012-2015** - PTDC/CVT/116499/2010 - Lactation and milk production in Goat (*Capra hircus*): identifying molecular markers underlying adaptation to seasonal weight loss. National funding from Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Dr André Almeida, IBET, Lisboa, Portugal.
6. **2011-2014** - P-KBBE/AGR-GPL/0001/2010 - TREEFORJOULES - Improving eucalypt and poplar wood properties for bioenergy. European funding from P-KBBE and FCT. National coordinator: Dr. Jorge Paiva, IBET, Lisboa, Portugal.
7. **2010-2012** - PTDC/EBB-EBI/102728/2008 - MICROPHYTE: Metabolic engineering of chlamydomonas and environmental OPTimization for HYdrogen production and rElease. National funding from Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Dr Francisco Malcata, ITQB, Oeiras, Portugal.
8. **2010-2013** - PTDC/AGR-GPL/098179/2008 - Did you ask for something small? The microRNAs power in a Eucalyptus tension world! (the microEGo project). National funding from Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Dr. Jorge Paiva, IBET, Oeiras, Portugal.
9. **2010-2011**- SOBREIRO/0015/2009 - TransCorkQ - Transcriptomic analysis of cork quality and cambial differentiation in Quercus suber. National funding from Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Dr. Jorge Paiva, IBET, Oeiras, Portugal.
10. **2007-2010** - PTDC/AGR-GPL/66564/2006 - "GenEGlobWQ - Scanning for candidate genes underlying a pulp yield QTL in Eucalyptus globulus ". National funding from Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Dr. Jorge Paiva, IBET, Oeiras, Portugal.
11. **2007-2009** - "STRESSsRNA - Genome-wide analysis of short RNAs as modulators in dehydration stress tolerance using tolerant and genetic model systems". European funding from ERA-Net Plant Genomics; Project coordinator: Prof. Dorothea Bartels, IMBIO, Bona University, Germany. National coordinator: Dr. Pedro Fevereiro.
12. **2004-2007** - POCTI/BIO/56659/2004 - "Improving tolerance to water stress in legumes using the model Medicago truncatula". National funding from Fundação para a Ciência e Tecnologia (FCT); Project coordinator: Prof. Pedro Fevereiro, Plant Cell Biotechnology Laboratory, ITQB, Oeiras, Portugal.

13. **2004 - 2005** - POCTI/BIA-BCM/55762/2004 "Transgenic plants as models to study regulation of transgene expression and recombinant protein deposition". National funding from Fundação para a Ciência e Tecnologia (FCT). Project coordinator: Dr. Rita Abranches, Plant Cell Biology Laboratory, ITQB, Oeiras, Portugal.

7.2 - Research networks

1. **2014 - TRANSBIO** collaborative project "SW European consortium for forest genomics: Transcriptional regulation and post-transcriptional regulation of secondary cell wall in forest trees" **EU SUDOE** program. **As member of the team.**
2. **2014-2018 - FA1306** COST Action "The quest for tolerant varieties - Phenotyping at plant and cellular level". **As member of the WG 1 and WG 3.**
3. **2013-2015 - TD1101** BMBS COST Action "A Collaborative European Network on Rabbit Genome Biology (RGB-Net)". **Awarded with a Short Term Scientific Mission.**
4. **2012-2015 - FP1202** COST Action "Strengthening conservation: a key issue for adaptation of marginal/peripheral populations of forest tree to climate change in Europe (MaP-FGR)". **As substitute Member of Managing Committee** (Portugal).
5. **2012-2014 - MEDILEG** - Breeding, agronomic and biotechnological approaches for reintegration and revalorization of legumes in Mediterranean agriculture. Agricultural Research In the Mediterranean Network (ARIMNet). **As Portuguese co-delegate.**
6. **2012-2016 - TD0114** COST Action "European network for development of electroporation-based technologies and treatments (EP4Bio2Med)". **As member of Managing Committee** (Portugal).
7. **2012-2015 - FP1106** COST Action "STReESS - Studying Tree Responses to extreme Events: a Synthesis ". **As substitute Member of Managing Committee** (Portugal).
8. **2011-2014 - FP0905** COST Action "Biosafety of forest transgenic trees". **As substitute Member of Managing Committee** (Portugal).

8 – National and international collaborations

a) National

- Doctor Ana Barradas, Fertiprado, Portugal
- Doctor Carlota Vaz Patto, ITQB-UNL, Portugal
- Doctor Carla António, ITQB-UNL, Portugal
- Doctor Miguel Costa, ITQB-UNL and ISA-UL Portugal
- Doctor Ana Coelho ITQB-UNL, Portugal
- Doctor Dulce Santos, FMV-UL, Portugal
- Doctor Luis Alvaro Cardoso, FMV-UL, Portugal
- Doctor Rui Bessa, FMV-UL, Portugal
- Doctor Jorge Marques da Silva, FC-UL, Portugal
- Doctor Anabela Bernardes da Silva, FC-UL, Portugal
- Doctor Ana Ferreira, University Evora, Portugal

b) International

- Doctor Alma Balestrazzi, University of Pavia, Italy
- Doctor Daniela Carbonera, University of Pavia, Italy
- Doctor Daniele Dondi, University of Pavia, Italy
- Doctor Anca Macovei, University of Pavia, Italy
- Doctor Jorge Paiva, Institute of Plant Genetics Polish Academy of Sciences, Poland
- Doctor Anna Czubacka, Institute of Soil Science and Plant Cultivation, Poland.
- Doctor Marteen Altelaar, Utrecht University, The Netherlands
- Doctor André Martinho de Almeida, Ross University, St. Kitts and Nevis
- Doctor Steve Beebe, CIAT, Colombia
- Doctor Rao Idupulapati, CIAT, Colombia

9 - Publications

9.1) International peer-reviewed manuscripts (33 manuscripts published)

1. Macovei A, Pagano A, Leonetti P, Carbonera S, Balestrazzi A, **Araújo SS**. (2017) Systems biology approaches to unveil the molecular players involved in the pre-germinative metabolism: Implications on seed technology traits. **Plant Cell Reports** 36: 669–688.
2. Zani D, Dondi D, **Araújo SS**, Mondoni A, Balestrazzi A (2017) Impact of γ -rays on seed germination/short-term storage in four native alpine species: Correlation with free radical and antioxidant profiles. **Radiation Physics and Chemistry**, 131:86-94.
3. Doná M, Sabatini S, Biggiogera M, Confalonieri M, Delledone M, Minio A, Giraffa G, Carbonera D, **Araújo SS**, Balestrazzi A (2017) MtTdp1a-depleted *Medicago truncatula* plants show reduced cuticle permeability and altered expression of defense genes. **Biologia Plantarum**, 61:192-196.
4. Mata AT, Jorge TF, Ferreira J, Bronze MR, Branco D, Fevereiro P, **Araújo SS**, António C (2016) Analysis of low abundant trehalose-6-phosphate and related metabolites in *Medicago truncatula* by hydrophilic interaction liquid chromatography–triple quadrupole mass spectrometry. **Journal of Chromatography A** 1477:30–38.
5. Duque AS, López-Gómez M , Kráčmarová J , Gomes CN, Araújo SS , Lluch C , Fevereiro (2016) Genetic engineering of polyamine metabolism changes *Medicago truncatula* responses to water deficit. **Plant Cell Tissue and Organ Culture** 127:681–690
6. Kazana V, Tsourgiannis L, Iakovoglou V, Stamatiou Ch, Alexandrov A, **Araújo SS**, Bogdan S, Bozic G, Brus R, Bossinger G, Boutsimea A, Celepirovic N, Cvrcková H, Fladung M, Ivankovic M, Kazaklis A, Koutsona P, Luthar Z, Máchová P, Malá J, Mara K, Mataruga M, Moravcikova J, Paffetti D, Paiva JAP, Raptis D, Sanchez C, Sharry S, Salaj T, Šijacic-Nikolic M, Tel-Zur N, Tsvetkov I, Vettori C, Vidal N (2016) Public attitudes towards the use of transgenic forest trees: A cross-country pilot survey. **iForest-Biogeosciences and Forestry** , 9:344-353
7. Araújo SS, Balestrazzi A, Fae M, Morano M, Carbonera D, Macovei A (2016) Document MtTdp2 α -overexpression boosts the growth phase of *Medicago truncatula* cell

- suspension and increases the expression of key genes involved in the antioxidant response and genome stability. **Plant Cell Tissue and Organ Culture**, 127:675–680
8. Araújo SS, Paparella S, Bentivoglio A, Dondi D, Carbonera S, Balestrazzi (2016). Physical methods for seed priming: advantages and challenges in seed technology. **Frontiers in Plant Science**. 7:646
 9. Ferreira AM, Marques AT, Fontanesi L, Thulin C-G, Sales-Baptista E, Araújo SS, Almeida AM (2016) Identification of a Bitter-Taste Receptor Gene Repertoire in Different Lagomorphs Species. **Frontiers in Genetics**, 7:55
 10. Parreira JR, Bouraada J, Silvestre S, Bernardes da Silva AB, Marques da Silva J, Almeida AM, Fevereiro P, Altelaar AFM, Araújo SS (2016) Differential proteomics reveals the hallmarks of seed development in common bean (*Phaseolus vulgaris* L.). **Journal of Proteomics** 143:188-98
 11. Ferreira AM, Marques AT, Fontanesi L, Thulin C-G, Sales-Baptista E, Araújo SS, Almeida AM (2016) Identification of a Bitter-Taste Receptor Gene Repertoire in Different Lagomorphs Species. **Fontiers in Genetics**, 7:55
 12. Lérias J, Peña R, Argüello, Hernández-Castellano L, Capote J, Castro N, Araújo SS, Bassols A, Almeida AM (2015) Establishment of the biochemical and endocrine blood profiles in the Majorera and Palmera dairy goat breeds: the effect of feed restriction. **Journal of Dairy Research**, 82: 416-425
 13. Duque AS, Araújo SS, Fevereiro P, Barradas A, Godinho B, Silva AR, Crespo JP (2015) Development of protocols for micropropagation of elite genotype forage allogamous legume species. **Acta horticulturae** 1083:409-413
 14. Alcântara A, Morgado RS, Silvestre S, Marques da Silva J, Bernardes da Silva A, Fevereiro P, Araújo SS* (2015) A method to identify early-stage transgenic *Medicago truncatula* with improved physiological response to water deficit. **Plant Cell Tissue and Organ Culture** 122: 605-616 .*corresponding author
 15. Ferreira AM, Marques AT, Bhide M, Cubric-Curik V, Hollung K, Knight C, Raundrup K, Lippolis JD, Palmer MV, Sales Baptista E, Araújo SS, Almeida AM (2015) Sequence analysis of a bitter taste receptor (T2R) genes repertoire in different ruminant species. **PLOS one** 10(6): e0124933.
 16. Paparella S, Araújo SS, Rossi G, Wijayasinghe M, Carbonera D, Balestrazzi (2015) Seed priming: state of the art and new perspectives. **Plant Cell Reports** 34:1281-93.

17. **Araújo SS**, Beebe S, Crespi M, Delbreil B, González EM, Gruber V, Lejeune-Henaut I, Link W, Monteros MJ, Prats E, Rao I, Vadez V and Vaz Patto MC (2014) Abiotic stress responses in legumes: Strategies used to cope with environmental challenges. **Critical Reviews in Plant Sciences** 34: 237-280.
18. Silvestre S, **Araújo SS***, Vaz Patto MMC and Marques da Silva (2014) Performance index: an expeditious tool to screen for improved drought resistance in the Lathyrus genus. **Journal of Integrative Plant Biology**, 56:610-621.*corresponding author
19. Pereira-Leal JB, Abreu IA, Alabaça CA, Almeida MH, Almeida P, Almeida T, Amorim MI, **Araújo SS**, Azevedo H, Badia A, Batista D, Bohn A, Capote T, Carrasquinho I, Chaves I, Coelho AC, Costa MMR, Costa RL, Cravador A, Egas C, Faro C, A Fortes AF, Fortunato AS, Gaspar MJ, Gonçalves S, Graça J, Horta M, Inácio V, Leitão JM, Lino-Neto t, Marum L, Matos J, Mendonça D, Miguel A, Miguel C, Morais-Cecílio L, Neves I, Nóbrega F, Oliveira MM, Oliveira R, Pais MS, Paiva JAP, Paulo OS, Pinheiro M, Raimundo JAP, Ramalho JC, Ribeiro AI, Ribeiro T, Rocheta M, Rodrigues AI, Rodrigues JC, Saibo NJM, Santo TE, Santos AM, Sá-Pereira P, Sebastiana M, Simões F, Sobral RS, Tavares R, Teixeira R, Varela MC, Veloso MM and Ricardo CPP (2014) A comprehensive assessment of the transcriptome of cork oak (*Quercus suber*) through EST sequencing. **BMC Genomics**. 15:371
20. Lérias JR, Hernández-Castellano LE, Morales-delaNuez A, **Araújo SS**, Castro N, Argüello A, Capote J and Almeida AM (2013) Body live weight and milk production parameters in the Majorera and Palmera goat breeds from the Canary Islands: influence of weight loss. **Tropical Animal Health and Production** 45:1731-6
21. Almeida AM, Kilminster T, Scanlon T, **Araújo SS**, Milton J, Oldham C and Greeff JC (2013). Assessing carcass and meat characteristics of Damara, Dorper and Australian Merino lambs under restricted feeding. **Tropical Animal Health and Production** 45: 1305-11
22. Ferreira AM, **Araújo SS**, Baptista ES, Almeida AM (2013) Candidate genes for bitter taste receptors in the domestic sheep (*Ovis aries*). **Animal** 7: 547-554.
23. **Araújo SS**, Duque AS, Marques da Silva J, Santos D, Bernardes da Silva A and Fevereiro P (2013) Water deficit and recovery response of Medicago truncatula plants expressing the ELIP-like DSP22. **Biologia plantarum** 57 (1): 159-163.

24. Nunes CMJ, **Araújo SS**, Marques da Silva J, Fevereiro P and Bernandes da Silva AR (2009) Photosynthesis light curves: a method for screening water deficit resistance in the model *Medicago truncatula*. **Annals of Applied Biology** 155:321-332.
25. Nunes CMJ, **Araújo SS**, Marques da Silva J, Fevereiro P and Bernandes da Silva AR (2008) Physiological characterization of the legume model *Medicago truncatula* Gaert. cv. Jemalong responses to water deficit. **Environmental and Experimental Botany** 63:289-296.
26. Almeida AM, Villalobos E, Araújo SS, Alfaro-Cardoso L, Santos DM, Santos MA, Fevereiro PS and Torné JM (2007) Electroporation of maize embryogenic calli with the trehalose-6-phosphate synthase gene from *Arabidopsis thaliana*. **Acta Physiologiae Plantarum** 29:271-281.
27. Duque AS, **Araújo SS**, Cordeiro MA, Santos DM and Fevereiro MP (2007) Using fused gfp and gus reporter genes for the early and efficient selection of *Medicago truncatula* transformed somatic embryos. **Plant Cell, Tissue and Organ Culture** 90:325-330.
28. Almeida AM, Bernardes da Silva AR, **Araújo SS**, Cardoso AC, Santos DM, Torné JM, Marques da Silva J, Paul MJ and Fevereiro P (2007) Responses to water withdrawal of tobacco plants genetically engineered with the AtTPS1 gene: a special reference to photosynthetic parameters. **Euphytica** 154:113-126.
29. Almeida AM, Santos M, Villalobos E, **Araújo SS**, van Dijck P, Leyman B, Cardoso LA, Santos D, Fevereiro PS and Torné JM (2006) Immunogold localization study of trehalose-6-phosphate synthase in leaf segments of wild type and transgenic tobacco plants expressing the AtTPS1 gene from *Arabidopsis thaliana*. **Protoplasma** 230:41-49.
30. Almeida AM, Villalobos, E, **Araújo SS**, Leyman B, van Dijk P, Alfaro-Cardoso L, Fevereiro P, Torné JM and Santos DM (2005) Transformation of tobacco with an *Arabidopsis thaliana* gene involved in trehalose biosynthesis increases tolerance to several abiotic stresses. **Euphytica** 146: 165-176.
31. Duque ASRLA*, **Araújo SS***, Santos DMMF and Fevereiro MPS (2004) Optimisation of a selection scheme using kanamycin to improve *Medicago truncatula* transformation. **Plant Cell, Tissue and Organ Culture** 78: 277-280 (*Both authors contributed equally to this work)

32. **Araújo SS***, Duque ASRLA*, Santos DMMF and Fevereiro MPS (2004) An efficient transformation method to regenerate a high number of transgenic plants using a new embryogenic line of *Medicago truncatula* cv. Jemalong. **Plant Cell, Tissue and Organ Culture** 78: 123-131 (*Both authors contributed equally to this work).
33. Santos DMMF., **Araújo SS**, Duque ASRLA and Fevereiro MPS (2003) Reverse transcription PCR assay to verify gene integrity within plasmid constructs for plant transformation. **Plant Cell, Tissue and Organ Culture** 74: 293-296.

9.2) Peer -reviewed national journals (1)

1. Vaz Patto MC and Araújo SS (2016) Positioning Portugal into the context of world production and research in grain legumes. **Revista de Ciências Agrárias** 39:471-489.

9.3) Book Editor (1)

1. "New Challenges in Seed Biology: Basic and Translational Research driving Seed Technology" (2016) Balestrazzi A & **Araújo SS** (Eds). InTech, Rikeja (in press)

9.4) Book Chapters (5)

1. Martins D, Macovei A, Leonetti P, Balestrazzi A and **Araújo SS** (2017) The influence of inorganic phosphorus deficiency on legume symbiotic N₂ fixation. In: Sulieman S and Tran LSP (eds). **Legume Nitrogen Fixation in Soils with Low Phosphorus Availability - Adaptation and Regulatory Implication**, Springer (in Press)
2. Parreira JS, Branco D, Almeida AM, Czubacka A, Agacka-Moldoch M, Paiva JAP, Tavares-Cadete F and **Araújo SS** (2016) Systems biology approaches to improve drought stress resistance in plants: state of the art and future perspectives. In: Hossain MA, Wani SH, Bhattajee S, Burrit D and Tran LSP. **Drought stress tolerance in Plants. Volume 2- Molecular and genetic perspectives**, Springer (In Press)
3. Duque AS, Almeida A, Silva AB, Silva JM, Farinha AP, Santos D, Fevereiro P and **Araújo SS** (2013) Abiotic Stress Responses in Plants: Unraveling the Complexity of Genes and Networks to Survive. In: Vahdati K, Leslie C (eds) **Abiotic Stress - Plant Responses and Applications in Agriculture**. InTech (ISBN 980-953-307-673-2)

4. Chabaud M, Ratet P, **Araújo SS**, Duque ASRLA, Harrison MJ and David Barker (2006) Agrobacterium tumefaciens-mediated transformation and in vitro plant regeneration. **The *Medicago truncatula* Handbook**. (ISBN 0-9754303-1-9) [<http://www.noble.org/MedicagoHandbook/>]
5. Iantcheva A, Vlahova M, Atanassov A, Duque AS, **Araújo SS**, Santos DF and Fevereiro P (2006) Cell suspension cultures. **The *Medicago truncatula* Handbook** (ISBN0-9754303-1-9) [<http://www.noble.org/MedicagoHandbook/>]

9.4) Thesis (2)

1. **Araújo SS (2007)** - Expression of the ELIP-like protein DSP22 in *Medicago truncatula*: an approach to improve the response of a legume plant towards water deficit. Dissertation submitted to obtain a PhD degree in Biology, Instituto de Tecnologia Química e Biológica, Universidade Nova de Lisboa.
2. **Araújo S.S. (2000)** "Tentativa de introdução em *Medicago truncatula* de um gene associado à tolerância à secura". Degree thesis in Applied Plant Biology, Science Faculty, University of Lisbon.

9.5) Proceedings from scientific meetings (13)

a) Plant Sciences

1. **Araújo SS (2013)** Better legumes for drought prone regions. In: **Proceedings of the International colloquium - Science in the Tropics: glimpsing the past project the future**, Lisbon, Portugal.
2. Alcântara A, Silvestre S, Morgado R, Marques da Silva J, Fevereiro P, **Araújo SS**, Bernardes da Silva A (2012) AtTPS1 Expression in *Medicago truncatula* Alters Leaf Water Potential and Photosynthesis at Growth Light. In: **Proceedings of the XI Spanish-Portuguese Symposium of Water Relations in Plants**, Sevilha, Spain.
3. Silvestre S, Alcântara A, Carrasco A, **Araújo SS**, Bernardes da Silva A, Marques da Silva J (2012) Physiological responses of drought-sensitive and drought-resistant *Phaseolus vulgaris* L. cultivars to water deficit stress. **Proceedings of the XI Spanish-Portuguese Symposium of Water Relations in Plants**, Sevilha, Spain.
4. Nunes CMJ, **Araújo SS**, Marques da Silva J, Fevereiro P and Bernardes da Silva AR. A highly embryogenic line of the model legume *Medicago truncatula*, M9-10a: performance under water deficit. J.F. Allen, E. Gantt, J.H. Golbeck, and B. Osmond (eds.)

- Photosynthesis - Energy from the Sun: **Proceedings of the 14th International Congress on Photosynthesis**, Springer, Heidelberg, Germany, 809–812pp.
5. Araújo SS, Duque AS, Marques da Silva J, Santos D, Bernandes da Silva AR and Fevereiro P. Medicago truncatula plants expressing the ELIP-like DSP22 showed improved capacity to recover from a severe water deficit. Abstract published in: **Cell Stress and Chaperones** 12:P_4E_289
 6. Almeida AM, Santos D, Araújo S, Fevereiro P, Santos M, Villalobos E and Torné J (2007) Immunolocalisation of trehalose-6-phosphate synthase in leaf segments of genetically engineered tobacco plants expressing the AtTPS1 gene. Abstract published in: **Special Issue of Comparative Biochemistry and Physiology Part A** 146 S272.
 7. Almeida AM, Villalobos E, Araújo SS, Alfaro-Cardoso L, Santos DM, Torné JM and Fevereiro P (2006) Expression of trehalose-6-phosphate synthase gene from Arabidopsis thaliana in transgenic tobacco: a strategy to increase temperature stress tolerance. In: **Microbial Cell Factories**, 5 (Suppl 1):P88
 8. Almeida AM, Villalobos E, Araújo SS, Alfaro-Cardoso L, Fevereiro P, Torné JM and Santos DM (2005) Transgenic tobacco plants expressing a trehalose synthesis gene of plant origin show tolerance to osmotic stress. Abstract published in: Special Issue of **Comparative Biochemistry and Physiology Part A** 141 S337- S348.
 9. Almeida AM, Araújo SS, Alfaro-Cardoso L, Fevereiro P, Torné JM and Santos DM (2004) Attempts to establish an embryogenic callus culture in two Portuguese maize (Zea mays) landraces using leaves and mature embryos. In **Proceedings of the 17th EUCARPIA General Congress**, Genetic variation for plant breeding, Tulln – Austria
 10. Almeida AM, Araújo SS, Alfaro-Cardoso L, Fevereiro P, Torné JM and Santos DM (2004) Transformation of tobacco with an Arabidopsis thaliana gene involved in trehalose biosynthesis as a model to increase drought resistance in crop plants. In **Proceedings of the 17th EUCARPIA General Congress**, Genetic variation for plant breeding, Tulln – Austria

b) Animal Sciences

1. Ferreira AM, Restelli L, Araújo SS, Dilda F, Baptista ES, Ceciliani F & Almeida AM. Bitter taste in water-buffalo (Bubalus bubalis): from T2R gene identification to expression studies (2013). In: Almeida AM, Eckersall D, Bencurova E (Eds) **Proceedings of the 4th Management Committee Meeting and 3rd Meeting of Working Groups 1, 2 & 3 of**

- Cost Action FA1002 Farm Animal Proteomics 3rd Meeting**, Košice. Slovakia. Wageningen Academic Publishers. ISBN 978-90-8686-222-1. pp 199-203. DOI: 10.3920/978-90-8686-776-9_51
2. Lérias JR, Hernández-Castellano LE, Morales-delaNuez A, **Araújo SS**, Castro N, Argüello A, Capote J, Almeida AM (2013). Seasonal weight loss in dairy goats from the Canary Islands: towards an integrated omics approach? In: Almeida AM, Eckersall D, Bencurova E (Eds) **Proceedings of the 4th Management Committee Meeting and 3rd Meeting of Working Groups 1, 2 & 3 of Cost Action FA1002 Farm Animal Proteomics 3rd Meeting**, Košice. Slovakia Wageningen Academic Publishers. ISBN 978-90-8686-222-1; pp 204-208. DOI 10.3920/978-90-8686-776-9_52
 3. Lérias JR, Hernández-Castellano LE, Morales-delaNuez A, **Araújo SS**, Castro N, Argüello A, Capote J, Almeida AM. Seasonal Weight Loss in dairy goats from the Canary Islands: assessment of production losses. Innovation from Animal Science - a necessity not an option - **Proceedings of the British Society of Animal Science and the Association of Veterinary Teaching and Research Work** - Edited by the British Society of Animal Science, Advances in animal Biosciences. ISSN 2040-4700; 255 pp.

10 – Communications in Scientific Meetings

10.1 – By invitation (2)

1. **2016** – **Araújo SS**. Seed technology for improved and healthier crops. 2nd General Meeting of the Green-IT unit, ITQB-NOVA, Oeiras, Portugal (7-8th July)
2. **2013** - **Araújo SS**. What are the molecular mechanism governing *Medicago truncatula* and *Phaseolus vulgaris* adaptation to water deficit. Institute of Soil Science and Plant Cultivation, Pulawy, Poland. Invited talk under the scope of the EU Project "Proficiency" - FP7-REGPOT-2009-1-245751.

10.2 Oral communications (23)

(*) Presenting author

a) Plant Sciences

1. **2016**- Balestrazzi A*, Pagano A, **Araújo SS**, Macovei A, Carbonera D. Exploring the link between chromatin remodeling and DNA repair in plants: basic and translational research with seeds. Meeting of **COST CM1201” Biomimetic Radical Chemistry”** Grenoble, France (25th-27th April)

2. **2015** - Vaccino P, Paparella S, Gerna D, Limonta M, **Araújo SS**, Balestrazzi. A Molecular tools for assessing seed quality in crop plants: focus on the seed repair mechanisms. First **WG2 meeting of the COST Action FA1306 “The quest for tolerant varieties - Phenotyping at plant and cellular level”**, Carcavelos, Portugal (26-27th February)
3. **2013** - Alcântara A, Nunes C, Morgado AR, Marques da Silva J, Fevereiro P, **Araújo SS** & Silva AB*. Physiological responses of two transgenic *Medicago truncatula* lines overexpressing the AtTPS1 gene towards water deficit. **XIII Congresso Luso-Espanhol de Fisiologia Vegetal**, Lisboa, Portugal (24-28th July).
4. **2013** - Carocha V*, Graça C, Mendes ND, Oliveira J, Pera S, Amaral AJ, Quilhó T, Rodrigues JC, **Araújo SS**, Neves L, Araújo C, Leal L, Fevereiro P, Grima-Pettenati J, Freitas AT & Paiva JAP. The MicroEgo Project: unravelling post-transcriptional regulation mechanism on eucalyptus wood formation. **XIII Congresso Luso-Espanhol de Fisiologia Vegetal**, Lisboa, Portugal (24-28th July).
5. **2013** - **Araújo SS***, Esteki L, Ribeiro S, Grima-Pettenati J, Fevereiro P & Paiva JP. Towards genetic engineering of *Eucalyptus grandis*. **VIII International Symposia on In Vitro Culture and Horticultural Breeding**, Coimbra, Portugal (2-7th June).
6. **2012** - Silvestre S*, Alcântara A, Carrasco A, **Araújo SS**, Bernardes da Silva A, Marques da Silva J. Physiological responses of drought-sensitive and drought-resistant *Phaseolus vulgaris* L. cultivars to water deficit stress. **XI Spanish-Portuguese Symposium of Water Relations in Plants**, Sevilha, Spain. (17-20th September)
7. **2012** - **Araújo SS***. Better legumes for drought prone regions. **Science in the Tropics: glimpsing the past project the future**. Lisbon, Portugal. (5-7th January)
8. **2011** - **Araújo SS**, Fevreiro P, Graça J, Marques P, Rodrigues JC, Lalanne C, Plomion C, Le Provost G and Paiva J*. TransCorkQ - Transcriptomic analysis of cork quality and cambial differentiation in *Quercus suber*. **Workshop Present and future of corkoak in Portugal**, Oeiras, Portugal. (21st October)
9. **2009** – Paiva JP*, Prat E, Santos MD, Ladouce N, **Araújo SS**, Santos S, Carriço JA, Carocha V, Vinga S, Pires A, Fevereiro PM, Marques C, Grattapaglia D, Freitas AT, Berg’s H and Grima-Pettenati J. The *Eucalyptus grandis* Bacterial Artificial Chromosome

- Libraries and Their Use In Identification of Clones Associated with Lignification, **Plant & Animal Genomes XII Conference**, San Diego - CA, USA, (10-14th January).
10. **2007** – Araújo SS*, Duque AS, Marques da Silva J, Santos D, Bernardes da Silva AR and Fevereiro P. Expression of the ELIP-like DSP22 in *Medicago truncatula*: an approach to improve the response of a legume plant towards water deficit. **6th European Conference on Grain Legumes**, Lisboa, Portugal, (12-16th November).
 11. **2007** - Almeida AM*, Santos D, Araújo S, Fevereiro P, Santos M, Villalobos E and Torné J. Immunolocalisation of trehalose-6-phosphate synthase in leaf segments of genetically engineered tobacco plants expressing the AtTPS1 gene. **Annual Main Meeting of Society of Experimental Biology**, Glasgow, Scotland (31-March -4th April).
 12. **2005** – Almeida AM*, Villalobos E, Araújo SS, Alfaro-Cardoso L, Fevereiro P, Torné JM & Santos DM. Transgenic tobacco plants expressing a trehalose synthesis gene of plant origin show tolerance to osmotic stress. **Society of Experimental Biology -Annual Main Meeting**, Universitat Autònoma de Barcelona, Barcelona, Spain (11-15th July).
 13. **2005** - Araújo, SS*, Duque AS, Bernardes da Silva, Marques da Silva J, Santos D and Fevereiro P. Improving tolerance to water deficit in the model legume plant *Medicago truncatula* cv Jemalong: expression of the stress-related Dsp22 gene from *Craterostigma plantagineum*. **Model Legume Congress**, Asilomar Conference Grounds Pacific Grove, California, USA (5-9th June).
 14. **2004** - Almeida AM*, Araújo SS, Villalobos E, Alfaro-Cardoso L, Fevereiro P, Torné JM and Santos DM. Increasing abiotic stress tolerance in plants through genetic engineering with a trehalose biosynthesis gene: experiments with tobacco and maize. **II Jornadas de Fisiologia Vegetal: Noves percepcions i estratègies en la Fisiologia Vegetal**, Societat Catalana de Biologia, Barcelona, Spain, (12th November).
 15. **2003** - Almeida AM*, Araújo S, Cardoso LA, Fevereiro P, Torné JM and Santos D. Genetic engineering of maize towards desiccation tolerance: electroporation with the trehalose gene. **XIX International Conference Maize and Sorghum - EUCARPIA - Genomics and Breeding**, CSIC, Barcelona, Spain (4-7th June).

16. **2003 - Araújo S***, Santos D and Fevereiro P. Expression of an early light-induced gene in plants: a way to enhance their drought tolerance. **Workshop of Plant Stress Biology**, University of Minho, Braga, Portugal, (18-21st June).
17. **2003 - Almeida AM***, **Araújo S**, Cardoso LA, Fevereiro P, Torné JM and Santos D. Increasing desiccation tolerance through genetic manipulation of maize with the trehalose synthase gene. **Workshop of Plant Stress Biology**, University of Minho, Braga, Portugal, (18-21st June).
18. **2003 - Almeida AM***, **Araújo S**, Cardoso LA, Fevereiro P, Torné JM and Santos D. Genetic manipulation of maize with a trehalose phosphate synthase gene: an approach to increase drought tolerance. **BIOTEC' 2003 - X Congresso Nacional de Biotecnologia**, IPIMAR, Algés, Portugal, (6-8th December).

b) Animal Sciences

1. **2014 - Araújo SS***, Almeida AM, Archilla A, Lérias J, Peynot N, Van Harten S, Alfaro Cardoso L and Duranthon V. Studying the effects of weight loss on rabbit skeletal muscle physiology: a transcriptomic approach. **4th Managing committee and work group meeting of COST Action TD1101 – A Collaborative European Network on Rabbit Genome Biology (RGB-Net) 3rd Meeting**, Zagreb, Croatia (06-08th May).
2. **2014 - Ferreira AM**, Marques AT, Bhide M, Ćurik VC, Hollung C, Knight C, Raundrup K, Lippolis JD, Palmer MV, Sales Baptista E, **Araújo SS**, Almeida AM*. Building-up bitter taste receptor genes repertoires in Lagomorph species. **4th Managing committee and work group meeting of Cost Action TD1101 - A Collaborative European Network on Rabbit Genome Biology (RGB-Net)**, Zagreb, Croatia (06-08th May).
3. **2014 - Ferreira AM***, Marques AT, **Araújo SS**, Almeida AM, Halenar M, Packova D, Kolesarova A.3 The role of amygdalin in regulation of Bitter Taste Perception and other Physiological Responses in Rabbit". **Animal Physiology Meeting**, Brno (Czech Republic), (5th May)
4. **2014 - Lérias JR***, L.E. Hernández-Castellano LE, **Araújo SS**, Castro N, Argüello A, Capote J, Peña R, Saco Y, Bassols A, Almeida AM Effect of weight loss in blood biochemical and endocrine parameters of *Majorera* and *Palmera* goat breeds from the Canary Islands. **VI Congresso da Sociedade Portuguesa Ciências Veterinárias**, Oeiras, Portugal (3-5th April).

5. **2012** - Ferreira AM*, Araújo SS, Sales-Baptista E, Almeida AM. Identification of novel genes for bitter taste receptors in sheep (*Ovis aries*) using DNA from Portuguese white merino breed. **VIII Congresso Ibérico sobre Recursos Genéticos Animais**, Évora, Portugal (13-15th September)

10.3 -Poster communications (65)

a)Plant Sciences

1. **2016** - Parreira JR, Bouraada J, Silvestre S, Bernardes da Silva AB, Marques da Silva J, Almeida AM, Fevereiro P, Altelaar AFM, **Araujo SS**. Understanding seed development in *Phaseolus vulgaris* L.: The role of protein metabolism. **WG2 meeting of the COST Action FA1306 “The quest for tolerant varieties - Phenotyping at plant and cellular level”**, Versailles, France (1-2th Feb)
2. **2016** - Branco D, Alcântara A, Marques da Silva J. Bernardes da Silva A, Fevereiro P, **Araújo SS**. Understanding the transcriptional regulatory mechanisms underlying the differential response to water deficit and recovery of *Medicago truncatula* expressing *AtTPS1* gene. **WG2 meeting of the COST Action FA1306 “The quest for tolerant varieties - Phenotyping at plant and cellular level”**, Versailles, France (1-2th Feb)
3. **2015** – Campobenedetto C, Sabatini ME, Paparella S, Araújo SS, Bonadei M, Bruni G, Carbonera D , Balestrazzi A. Bioinformatic and molecular tools to improve bioremediation of polluted air at industrial sites. **110th Congress of the Italian Botany Society**, Pavia, Italy (14-17th Sept)
4. **2015** – Sabatini ME, Pagano A, **Araújo SS**, Vandenbussche M, Balestrazzi A Carbonera D. Novel molecular hallmarks for seed imbibition. **110th Congress of the Italian Botany Society**, Pavia, Italy (14-17th Sept)
5. **2015** - Deciphering the regulatory mechanisms behind the improved response to water deficit and recovery of the *Medicago truncatula* expressing the *ATPS1* gene. **110th Congress of the Italian Botany Society**, Pavia, Italy (14-17th Sept)

6. **2015** Parreira JR, Bouraada J, Silvestre S, Bernardes da Silva AB, Marques da Silva J, Almeida AM, Fevereiro P, Altelaar AFM, **Araujo SS**. Using proteomics to understand seed development in *Phaseolus vulgaris* L.: developing resources to modulate seed quality traits. **110th Congress of the Italian Botany Society**, Pavia, Italy (14-17th Sept)
7. **2015** - Vaccino P, Gerna D, Limonta M, Paparella S, **Araújo SS**, Cauzzi P, Abeli T, Rossi G, Bentivoglio A, Dondi D, Buttafava A, Kockelkoren M, Viola P, Carbonera D, Balestrazzi A. Seed repair mechanisms during priming: synergy for a multidisciplinary approach in the PRIMETCH project. **Seed longevity Workshop of the International Society for Seed Science**, Wernigerode, Germany (5-8th July)
8. **2015** - Parreira JR, Almeida AM, Silvestre S, Paiva JA, Bernardes da Silva AR, Marques da Silva J, Fevereiro P, **Araújo SS**. Unraveling grain filling mechanism in *Phaseolus vulgaris* L. under water deficit: a transcriptomic approach. First **WG2 meeting of the COST Action FA1306 “The quest for tolerant varieties - Phenotyping at plant and cellular level”** (26-27th February)
9. **2015**-Leitão ST, Bicho C, Araújo SS, Rubiales D, Vaz Patta. Common bean phenostressomics: Screening Portuguese common bean germplasm for disease and drought resistance First **WG2 meeting of the COST Action FA1306 “The quest for tolerant varieties - Phenotyping at plant and cellular level”** (26-27th February)
10. **2014** – Parreira JR, Almeida AM, Silvestre S, Paiva JA, Bernardes da Silva AR, Marques da Silva J, Fevereiro P, **Araújo SS**. Unraveling grain filling mechanism in *Phaseolus vulgaris* L. under water deficit: transcriptomic and proteomic approaches. **VII International Conference on Legume Genetics and Genomics (ICLGG)**, Saskatoon, Canada (6-11th July).

11. **2014** - Duque, AS, López-Gómez M, Kráčmarová J, **Araújo SS**, Lluch C, and Fevereiro P. Physiological responses toward water deficit of a *M. truncatula* homozygous transgenic line expressing the oat Adc gene **VII International Conference on Legume Genetics and Genomics (ICLGG)**, Saskatoon, Canada (6-11th July).
12. **2014** - **Araújo SS**, Esteki L, Ribeiro S, Grima-Pettenati J, Fevereiro P & Paiva JP. Molecular breeding of Eucalyptus grandis: developing an efficient transformation method. **Plant and Animal Genome XXII Conference** (11-15 th January).
13. **2013** – Marques da Silva J, Alcântara A, Silvestre S, Morgado AR, Bernardes da Silva A, Fevereiro P and **Araújo SS**. Overexpression of the trehalose-6-phosphate synthase gene enhances drought tolerance in Medicago truncatula . **7th EPSO Conference: “Plants for a Greening Economy”** Porto Heli, Greece (01 - 04 September)
14. **2013**- Parreira JR, Fevereiro P & **Araújo SS**. An optimized RNA Extraction Protocol for leaves, pods and seeds from *Phaseolus vulgaris*. **XIII Congresso Luso-Espanhol de Fisiologia Vegetal**, Lisboa, Portugal (24-28th July).
15. **2013** - Pera S, Carocha V, Graça C, **Araújo SS** & Paiva J. Expression Profile of Trehalose Pathway Genes in Eucalyptus globulus. **XIII Congresso Luso-Espanhol de Fisiologia Vegetal**, Lisboa, Portugal (24-28th July).
16. **2013** - Silvestre S, Alcantara A, Fevereiro P, **Araújo SS**, Silva AB & Marques da Silva J. Photochemical performance is not affected by water deficit in Phaseolus vulgaris SER16 genotype. **XIII Congresso Luso-Espanhol de Fisiologia Vegetal**, Lisboa, Portugal (24-28th July).
17. **2013** - Silvestre S, Fevereiro P, **Araújo SS**, Silva AB & Marques da Silva J. The impact of water stress on the seed yield of a drought-tolerant and a drought-sensitive *Phaseolus vulgaris* L. genotypes. **XIII Congresso Luso-Espanhol de Fisiologia Vegetal**, Lisboa, Portugal (24-28th July).
18. **2013**- Alcantara A, Silvestre S, Morgado AR, Silva AB, Fevereiro P, Araújo SS & Marques da Silva J. Chlorophyll a fluorescence images shows higher light energy use efficiency in Medicago truncatula’s dark spots. **XIII Congresso Luso-Espanhol de Fisiologia Vegetal**, Lisboa, Portugal (24-28th July).

19. **2013** - Duque AS, Barradas A, Morgado R, Silva AR, Godinho R, **Araújo SS**, Crespo JP & Fevereiro P. Development of protocols for micropropagation of elite genotypes from selected high-yielding forage allogamous legume species. **VIII International Symposia on In Vitro Culture and Horticultural Breeding**, Coimbra, Portugal (2-7th June).
20. **2013**- Parreira JR, Fevereiro P & **Araújo SS**. An optimized RNA Extraction Protocol for leaves, pods and seeds from *Phaseolus vulgaris*. **First Legume Society Conference**, Novi Sad, Serbia (9-11th May)
21. **2012** - **Araújo SS**, Ribeiro S, Grima-Pettenati J, Fevereiro P and Paiva J. Towards genetic engineering of *Eucalyptus grandis*. **2nd Forest Genomics Meeting**, Oeiras, Portugal (26th November)
22. **2012** - Morgado AR, Branco D, Fevereiro PS, **Araújo SS**. Could an extra shot of TPS confer better tolerance to water deficit stress in *Medicago truncatula*? **Vth International Conference on Legume Genetics and Genomics (ICLGG)**, Hyderabad, India (2-7th October)- **Best Post Award**
23. **2012** - Carvalho T, Morgado AR, Paiva JAP, Fevereiro PS, **Araújo SS**. Is the trehalose pathway involved in the response of *Phaseolus vulgaris* L. toward water deficit? **Vth International Conference on Legume Genetics and Genomics (ICLGG)**, Hyderabad, India (2-7th October)
24. **2012** - Alcântara A, Silvestre S, Morgado R, Marques da Silva J, Fevereiro P, **Araújo SS**, Bernardes da Silva A (2012) AtTPS1 Expression in *Medicago truncatula* Alters Leaf Water Potential and Photosynthesis at Growth Light. **XI Spanish-Portuguese Symposium of Water Relations in Plants**, Sevilha, Spain (17-20 September)
25. **2012** - **Araújo SS**, Cardoso LA, Fevereiro. Deciphering the molecular mechanisms underlying abiotic stress adaptation in legumes: combining plant physiology with “Omics” approaches. **Plant Environmental Physiology group (PEPG) Ecophysiology Techniques Workshop**. Society of Experimental Biology, Sobreda da Caparica, Portugal. (10-15th September)
26. **2012** - Leitão ST, **Araujo SS**, Satovic Z, Vaz Patto MC. Comparison of photosynthetic parameters in a collection of Portuguese common bean traditional varieties: settling the basis for drought resistance studies. **Plant Environmental Physiology group**

- (PEPG) Ecophysiology Techniques Workshop.** Society of Experimental Biology, Sobreda da Caparica, Portugal. (10-15th September)
27. **2012** - Alcantâra A, Silvestre S, Morgado R, Marques da Silva J, Bernardes da Silva AB, Fevereiro P and **Araújo SS**. AtTPS1 expression in *Medicago truncatula*: water deficit imposition and Physiological evaluation. **EMBO Practical Course on Plant Bioinformatics: Going -OMICs**, EMBL-EBI, Cambridge, UK. (11-19th June) – **3rd Best Poster Award**
28. **2011** – **Araújo SS**, Fevereiro P, Graça J, Marques P, Rodrigues JC, Lalanne C, Plomion C, Le Provost G and Paiva J. TransCorkQ - Transcriptomic analysis of cork quality and cambial differentiation in *Quercus suber*. **Workshop Present and future of cork oak in Portugal**. Oeiras, Portugal. (21st October)
29. **2011** - Graça C, Carocha V, Mendes N, Amaral. A, Amado J, Oliveira J, San-Clemente H, Wang H, Grima Pettenati J, Fonseca P., Trindade I, **Araújo S**, Borralho N, Quilhó T, Rodrigues JC., Bessa F, Fevereiro P., Neves L., Araújo C, Freitas AT, Paiva JA. Identification of miRNA in *E. globulus* xylem tissues formed upon gravitropic stimulation. **Simpósio Floresta 2050. Pensar o Futuro**. Auditório CAP, Oeiras, Portugal. (6-7th October)
30. **2011** - Silvestre S, **Araújo SS**, Vaz Patto MC and Marques da Silva J. Comparison of water stress resistance in *Lathyrus* sp. **XIX Reunión de la Sociedad Española de Fisiología Vegetal (SEFV) & XII Congreso Hispano-Luso de Fisiología Vegetal**, Castelló de la Plana, Spain. (21-24th June)
31. **2011** - Carocha V, Graça C, Amado J, Mendes N, Amaral A, San-Clemente H, Fonseca P, Trindade I, **Araújo S**, Wang H, Borralho N, Quilhó T, Rodrigues J, Fevereiro P, Neves L, Araújo C, Freitas A, Grima-Pettenati J, Paiva J. 2011. MicroEgo: Identification of miRNAs in *E. globulus* xylem tissues formed upon gravitropic stimulation. **9th Plant GEM**, Istanbul, Turkey. (4-7th May)
32. **2011** - Paiva JAP, Capitão C., Pinto J, Araújo, S, Fevereiro, P., Marques P, Rodrigues JC, Grima-Pettenati J, Le Provost G., Plomion C., Bouchez O, Klopp C, Bergés H, Graça, J. 2011. Deciphering cork formation in *Quercus suber*. **9th Plant GEM**, Istanbul, Turkey. (4-7th May)

33. **2011** - Carocha V, Graça C, Amado J, Mendes N, Amaral A, San-Clemente H, Fonseca P, Trindade I, **Araújo S**, Wang H, Borralho N, Quilhó T, Rodrigues J, Fevereiro P, Neves L, Araújo C, Freitas A, Grima-Pettenati J, Paiva J. 2011. MicroEgo: Identification of miRNAs in *E. globulus* xylem tissues formed upon gravitropic stimulation. **26th New Phytologist Symposium, Bioenergy trees**. INRA-Nancy, France. (17-19th May)
34. **2011** - Duque AS, Leitão MC, **Araújo SS**, Santos D and Fevereiro P. Altered polyamine metabolism in transgenic *Medicago truncatula*. **Model Legume Congress**, Sainte Maxime, France, 15-19 May.
35. **2011**- Silvestre S, **Araújo SS**, VazPatto MC and Marques da Silva J. Comparison of water stress resistance in *Lathyrus* sp. **Model Legume Congress**, Sainte Maxime, France (15-19th May).
36. **2011**- Silva AB, Rodrigues R, Nunes C, Silva J, **Araújo SS** and Fevereiro P. Photosynthesis light curves to study drought resistance in *Medicago truncatula* plants expressing the DSP2 ELIP-Like gene. **20th Western Photosynthesis Conference**, Asilomar Conference Grounds Pacific Grove, California, USA, (12-16th July).
37. **2010** - **Araújo SS**, Poejo J, Almeida AM, Prata J, Capitão C and Fevereiro P. Is the trehalose pathway involved in the response of *Medicago truncatula* toward water deficit? **5th International Food Legumes Research Conference (IFLRC V) & 7th European Conference on Grain Legumes (AEP VII)**, Antalya, Turkey (26-30th April).
38. **2009** - **Araújo SS**, Poejo J, Almeida AM, Prata J, Capitão C and Fevereiro P. Is the trehalose pathway involved in the response of *Medicago truncatula* toward water deficit? **Model Legume Congress**, Asilomar Conference Grounds Pacific Grove, California, USA, (12-16th July).
39. **2009** - Paiva JP, Vautrin S, Prat E, **Araújo S**, Santos D, Santos MD, Carriço J, Abdulrehman D, Vinga S, Carocha V, Gion JM, Fevereiro P, Freitas AT, Marques C, Pires A, Berges H, Grima-Pettenat J. Characterization *Eucalyptus* species BAC libraries: an update. **8th Plant Gem 2009. Plant Genomics European Meeting**, Lisbon, Portugal, (07-10th October).

40. **2008** – Nunes CM, **Araújo SS**, Marques da Silva J, Fevereiro P and Bernardes da Silva A. Resposta ao deficit hídrico em *Medicago truncatula* cv Jemalong, uma leguminosa modelo. **I Congresso Luso-espanho de fixação do Azoto /XII Reunião Anual de Fixação do Azoto**, Estoril, Portugal, (1-4th June).
41. **2007** – **Araújo SS**, Duque AS, Marques da Silva J, Santos D, Bernardes da Silva AR and Fevereiro P. Expression of the ELIP-like DSP22 in *Medicago truncatula*: an approach to improve the response of a legume plant towards water deficit. **6th European Conference on Grain Legumes**, Lisboa, Portugal, (12-16th November).
42. **2007**- Nunes CM, **Araújo SS**, Marques da Silva J, Fevereiro P and Bernardes da Silva A. Photosynthetic Performance of *Medicago truncatula* Plants Expressing the ELIP-like DSP22 Gene Under Water Deficit. **6th European Conference on Grain Legumes**, Lisboa, Portugal, (12-16th November).
43. **2007**- Nunes CM, **Araújo SS**, Marques da Silva J, Fevereiro P and Bernardes da Silva A. Fluorescence as a tool to evaluate water deficit tolerance in DSP22 transgenic *Medicago truncatula* plants. **6th European Conference on Grain Legumes**, Lisboa, Portugal, (12-16th November).
44. **2007**- Trindade I, Santos AM, **Araújo SS**, Santos D and Fevereiro P. Transient expression of the glycoprotein from the capsid of the rabies virus in *Medicago truncatula*. **6th European Conference on Grain Legumes**, Lisboa, Portugal, (12-16th November).
45. **2007** – **Araújo SS**, Duque AS, Marques da Silva J, Santos D, Bernardes da Silva AR and Fevereiro P. *Medicago truncatula* plants expressing the ELIP-like DSP22 showed improved capacity to recover from a severe water deficit. **2007 World Conference of Stress**, Budapest, Hungria (23-26th August).
46. **2007** - Nunes CMJ, **Araújo SS**, Marques da Silva J, Fevereiro P and Bernardes da Silva AR. A highly embryogenic line of the model legume *Medicago truncatula*, M9-10a performance under water deficit. **14th International Congress on Photosynthesis (Photosynthesis 2007)**, Glasgow, Scotland (22-27th July).

47. **2007- Araújo SS**, Duque AS, Cordeiro MA, Santos DM and Fevereiro. Methods for selection and recovery of transgenic somatic embryos and plants using the M9-10a genotype of *Medicago truncatula* cv Jemalong. **International Conference Plant Transformation Technologies**, University of Vienna, Vienna, Austria, (4-7th February).
48. **2006** - Almeida AM, Villalobos E, **Araújo SS**, Alfaro-Cardoso L, Santos DM, Torné JM and Fevereiro P. Expression of trehalose-6-phosphate synthase gene from *Arabidopsis thaliana* in transgenic tobacco: a strategy to increase temperature stress tolerance. **The 4th Recombinant Protein Production Meeting: a comparative view on host physiology**, Barcelona, (Spain. 21–23rd September).
49. **2005** - **Araújo SS**, Almeida AM, Fevereiro P and Santos D. Expression of an ELIP-like Dsp22 gene from *Craterostigma plantagineum* in *Nicotiana tabacum*: assessing a strategy to increase water-deficit in plants. **Interdrought II – The 2nd Conference on Integrated Approaches to Sustain and Improve Plant Production Under Drought Stress**, Rome, Italy, (24-28th September).
50. **2005** - Almeida AM, **Araújo SS**, Villalobos E, Alfaro-Cardoso L, Fevereiro P, Torné JM and Santos DM. A trehalose biosynthesis gene of plant origin used to increase drought tolerance in plants: Genetic engineering of the model plant *Nicotiana tabacum* (tobacco) and crop plant *Zea Mays* (maize). **Interdrought II – The 2nd Conference on Integrated Approaches to Sustain and Improve Plant Production Under Drought Stress**, Rome, Italy, (24-28th September).
51. **2005** - Duque AS, **Araújo SS**, Marques da Silva A, Bernardes da Silva A, Santos D and Fevereiro P. Transformation of the model legume *Medicago truncatula* with Adc gene from *Avena sativa* to improve drought tolerance. **Interdrought II – The 2nd Conference on Integrated Approaches to Sustain and Improve Plant Production Under Drought Stress**, Rome, Italy, (24-28th September).
52. **2005** - Duque AS, **Araújo SS**, Marques da Silva J, Bernardes da Silva, Santos D and Fevereiro P. Transgenic manipulation of polyamine biosynthetic pathway: an approach to increase drought tolerance in *Medicago truncatula*. **Model Legume Congress**, Asilomar Conference Grounds Pacific Grove, California, USA, (5-9th June).

53. **2004** - Almeida AM, **Araújo SS**, Cardoso LA, Fevereiro MP and Santos DM. Attempts to establish an embryogenic callus culture in two Portuguese maize (*Zea mays*) landraces using leaves and mature embryos. **17th EUCARPIA General Congress - Genetic Variation for Plant Breeding**, Tulln, Austria, (8-11th September).
54. **2004** - Almeida AM, **Araújo SS**, Cardoso LA, Fevereiro MP, Torné JM and Santos DM. Transformation of tobacco with an *Arabidopsis thaliana* gene involved in trehalose biosynthesis as a model to increase drought resistance in crop plants. **17th EUCARPIA General Congress -Genetic Variation for Plant Breeding**, Tulln, Austria, (8-11th September).
55. **2003** - Duque ASRL, **Araújo SS**, Santos DMMF and Fevereiro P (2003) Transgenic approaches to increase drought-stress tolerance in *Medicago truncatula*. **BIOTEC' 2003 - X Congresso Nacional de Biotecnologia**, IPIMAR, Algés, Portugal, (6-8th December).
56. **2001**- **Araújo SS**, Santos D and Fevereiro P (2001) Genomic approaches to improve *Medicago truncatula* resistance to stress. **The 4th Workshop on Medicago truncatula**, Madison, Wisconsin, U.S.A. (7-10th July).

b)Animal Sciences

1. **2015** - Parreira JR, Lérias J, Hernández-Castellano LE, Palma M, Castro N, Argüelloe A, Capote J, **Araújo SS**, Almeida AM. NGS-based gene expression profile study in the goat mammary gland: the effect of undernutrition in two breeds with different levels of adaptation to nutritional stress. **ADSA-ASAS Joint Annual Meeting**, Orlando USA (12-16th July)
2. **2014** - Parreira JR, Lérias J, **Araújo SS** and Almeida AM. Developing an RNA Extraction method for Next Generation Sequencing (NGS)-based transcriptomics studies in the goat mammary gland. **First Dairy Care Conference, Copenhagen, Denmark** (22-23th August)
3. **2014** - Lérias J, Peña R, Hernández-Castellano LL, **Araújo SS**, Castro N, Argüello A, Capote J, Saco Y, Bassols A and Almeida AM. Effect of body weight loss in biochemical and endocrine blood metabolites of Majorera and Palmera dairy goat breeds from the Canary Islands. **First Dairy Care Conference, Copenhagen, Denmark** (22-23th August)

4. **2014** – Parreira JR, Almeida AM, Silvestre S, Paiva JA, Bernardes da Silva AR; Marques da Silva J, Fevereiro P and **Araújo SS**. Unraveling grain filling mechanism in *Phaseolus vulgaris* L. under water deficit: transcriptomic and proteomic approaches. **VII International Conference on Legume Genetics and Genomics (ICLGG)**, Saskatoon, Canada (6-11th July)
5. **2014** – Ferreira AM, Marques AT, Bhide M, Cubrik-Curik V, Hollung K, Knight C, Raundrup K, Sales Baptista E, **Araújo SS**, de Almeida AM. Deciphering bitter taste perception in ruminants: building up bitter taste genes repertoires. **VI Congresso da Sociedade Portuguesa Ciências Veterinárias**, Oeiras, Portugal (3-5th April)
6. **2014** – Marques AT, Ferreira AM, **Araújo SS**, Restelli L, Lecchi C, Almeida AM, Ceciliani F. Gustducin gene expression in sheep, goats and water buffalo to unravel taste signaling. **VI Congresso da Sociedade Portuguesa Ciências Veterinárias**, Oeiras, Portugal (3-5th April)
7. **2013** - Ferreira AM, Restelli L, **Araújo SS**, Dilda F, Baptista ES, Ceciliani F & Almeida AM. Bitter taste in water-buffalo (*Bubalus bubalis*): from T2R gene identification to expression studies. **COST- Farm Animal Proteomics 3rd Meeting**, Košice. Slovakia (25-26th of April).
8. **2013** - Lérias JR, Hernández-Castellano LE, Morales-delaNuez A, **Araújo SS**, Castro N, Argüello A, Capote J, Almeida AM. Seasonal weight loss in dairy goats from the Canary Islands: towards an integrated omics approach? **COST- Farm Animal Proteomics 3rd Meeting**, Košice. Slovakia (25-26th of April).
9. **2013** - Lérias JR, Hernández-Castellano LE, Morales-delaNuez A, **Araújo SS**, Castro N, Argüello A, Capote J, Almeida AM. Seasonal Weight Loss in dairy goats from the Canary Islands: assessment of production losses. **British Society Animal Sciences - Annual Meeting 2013**, Nottigham, UK (16 - 17th April)

11 - Supervision and training activities

11.1 - PhD Students (4)

1. **September 2016 to present date** - Co-supervision (with Carlota Vaz Patto and Diego Rubiales) of Ana Margarida Sampaio (Plants4Life FCT PhD Program), PhD student at ITQB-UNL, within the scope of the project: "Unravelling the genetic control of *Fusarium oxysporum* resistance in *Lathyrus sativus* L.."
2. **April 2015 to present date** – Co-supervision (with Pedro Fevereiro) of José Salvado (Plants4Life FCT PhD Program), PhD student at ITQB-UNL, within the scope of the project: "Understanding seed development in common bean"
3. **January 2014 to present date** - Co-supervision (with Carlota Vaz Patto and Diego Rubiales) of **Susana Leitão** (SFRH/BD/92160/2013), PhD student at ITQB-UNL, within the scope of the project: "Unraveling the genetic control of combined biotic/abiotic stress resistance in *Phaseolus vulgaris* L. The fusarium wilt-drought interaction."
4. **January 2011 to present date** - Co-supervision (with Pedro Fevereiro) of **Diana Branco** (SFRH/BD/82283/2011), PhD student at ITQB-UNL, within the scope of the project: "How does trehalose 6 phosphate mediate the genomic and metabolic response of *M. truncatula* toward water deficit?"

11.2 - Master Students (6)

1. **November 2012/December 2013** - Co-supervision of **Leila Esteki** (with Pedro Fevereiro), a master student at Universidade do Minho, under the scope of the project: "Improving in vitro regeneration and transformation in the Eucalyptus genus".
2. **September 2011/December 2012**- Co-supervision of **Susana Ribeiro** (with Pedro Fevereiro), a master student at Faculdade de Ciências da Universidade de Lisboa, under the scope of the project: "Regeneration and transformation of Eucalyptus grandis".
3. **September 2010/ November 2011** - Co-supervision of **André Alcântara** (with Pedro Fevereiro), a master student at Faculdade de Ciências da Universidade de Lisboa, under the scope of the project: "Medicago truncatula and water deficit: exploring a new method for T6P quantification in plant extracts and characterization of three abscisic acid responsive promoters".

4. **September 2010/November 2011**- Co-supervision of **Susana Silvestre** (with Jorge Marques da Silva), a master student at Faculdade de Ciências da Universidade de Lisboa, under the scope of the project: "DROUGHTYRUS- Preliminary characterization of the physiological responses of ten Lathyrus genotypes to water deficit."
5. **September 2007/ June 2008**- Co-supervision of **Filipa Silva** (with Pedro Fevereiro), master student at Faculdade de Ciências da Universidade de Lisboa, under the scope of the project: "Establishment and optimization of a transformation system for *Olea europaea*" (Msc Thesis not concluded).
6. **September 2007/January 2008** - Co-supervision of **Marisa Santos** (with Pedro Fevereiro) , master student at Faculdade de Ciências da Universidade de Lisboa, under the scope of the project: "Expression of the G protein from the rabie capsid virus in *Medicago truncatula*". (Msc Thesis not concluded).

11.3 - BI Research Fellows (5)

1. **January 2015 to June 2015**- Supervision of **Catarina Bicho** (with Carlota Vaz Patto), BI research fellow of the project PTDC/AGR-TEC/03555/2012
2. **April 2014 to April 2015** - Co-supervision of **José Ricardo Salvado** (with André Almeida), BI research fellow of the project PTDC/CVT/116499/2010.
3. **October 2012/March 2014** - Supervision of **José Ricardo Salvado**, BI research fellow of the project PTDC/AGR-GPL/110244/2009.
4. **January/December 2013** - Co-supervision of **Joana Lérias** (with André Almeida), BI research fellow of the project PTDC/CVT/116499/2010.
5. **June 2011/June 2013** - Supervision of **Ana Rita Morgado**, BI research fellow of the project PTDC/AGR-GPL/099866/2008

11.4 - Undergraduated Students (5)

1. **May 2011/November 2011** - Co-supervision of **Tomás Carvalho**, Biotechnology Bsc student at Escola Superior Agrária de Coimbra, under the scope of the project "Expression analysis of trehalose pathway encoding genes in *Phaseolus vulgaris* L."

2. **July 2010/November 2010** - Co-supervision of **Aline Santos**, Bsc Biotechnology student at Escola Superior Agrária de Coimbra, under the scope of the project "Transformation of *Medicago truncatula* with the AtTPS1 encoding gene from *arabidopsis*"
3. **September 2008/July 2009** - Co-supervision of **Joana Poejo**, Bsc Biochemistry student at Universidade de Évora, under the scope of the project "Expression of the AtTPS1 encoding gene and functional analysis of drought responsible promoter in *Medicago truncatula*".
4. **February 2005 /January 2006** - Co-supervision of **Matilde Cordeiro**, Bsc Agronomy student at Instituto Superior de Agronomia, Technical University of Lisbon. Training course on the scope of the project "Studying of the responsiveness of two heterologous stress-inducible promoter in *Medicago truncatula*".
5. **September 2004/ December 2004** - Co-supervision of Daniel Reis, undergraduate Biology student at the University of Évora. Training course on the scope of the project "Transformation of *Medicago truncatula* using stress-related genes".

11.5 - Informal Bench supervisions of national and visiting researchers (910)

1. April-May 2017 – Supervision of **Andrea Pagano**, visiting PhD student of the Pavia University, under the scope of training project "Physiological tools to evaluate the performance of gamma-irradiated seeds"
2. **March 2015 to present moment** - Co-supervision of **Doctor Anderson José** (with Jorge Paiva and Pedro Fevereiro), Professor at the University of Lavras, Brazil, under the scope of the project "Evaluation of physiological responses of *Eucalyptus globulus* to water deficit".
3. **March 2015 to December** - Co-supervision of **Andrea Pagano** (with Alma Balestrazzi), MSc student of the Pavia University, under the scope of the project "PRIMTECH Action 2 - Characterization of DNA repair expression profiles in *Petunia hybrida* seeds".
4. **September 2012 to present moment** – Co-supervision of Doctor **Ana Ferreira** (with André Almeida and Elvira S. Baptista), Post Doc Researcher of Évora University and ITQB, under the scope of the project "Identification and expression of bitter taste receptors in mammals".

5. **November 2012 (2 weeks)**- Supervision of Doctor **Pilar Bustos Sanmamed**, Researcher of CNRSV – Gif –Sur-Yvette, France, under the scope of the project “Assessing drought resistance phenotype of RD26 mutants of *Medicago truncatula*”.
6. **May-August 2012** – Co-supervision of **Maria Elisa Sabatini**, ERASMUS Msc Student of Pavia University, Italy under the scope of the project “Expression of analysis genes involved in *Medicago truncatula* seed priming and germination”.
7. **November 2011** – Supervision of Doctor **Pilar Bustos Sanmamed**, Researcher of CNRSV – Gif –Sur-Yvette, France, under the scope of the project “Agrobacterium-mediated transformation of *Medicago truncatula*”.
8. **September 2011/December 2011** – Supervision of **Beatriz Ferreira**, voluntary training under the scope of the project: "Regeneration and transformation in *Eucalyptus* genus".
9. **September 2006-/December 2007** - Co-supervision of **Inês Trindade**, master student at Faculdade de Ciências da Universidade de Lisboa, under the scope of the project: "Expression of the G protein from the rabie capsid virus in *Medicago truncatula*".
10. **February 2005** – **Massimo Confalonieri** (PhD, Researcher) Istituto Sperimentale per le Colture Foraggere, Lodi, Italy. *Agrobacterium*-mediated transformation of *Medicago truncatula*.

12 - Teaching activities

2014

- **Invited lecture** - “Using Genetic Engineering to improve plants response towards abiotic stress resistance.” Molecular Biotechnology class, Msc degree in Biotechnology and Cell Biology at **Faculdade de Ciências da Universidade de Lisboa** , Portugal (05th May).
- **Lecturer** - “In vitro culture and plant transformation – Hands on training”. Training School on New Genetic Engineering Techniques for Tree Improvement, organized by the **COST Action FP0905 - Biosafety of forest transgenic trees. INIAV and ITQB**, Oeiras, Portugal (12-14th February)

2013

- **Invited lecture** - "Better legumes for drought-prone regions". Tropical Animal Science class, of the MSc degree in Animal Science at **Instituto Superior de Agronomia**, Portugal (26th November).
- **Invited lecture** - "Better legumes for drought-prone regions", Molecular Biotechnology class, Master in Biotechnology and Cell Biology at **Faculdade de Ciências da Universidade de Lisboa**, Portugal (06th May).
- **Capacity building/training action** - Molecular Biology and Plant Biotechnology at the Department of Plant Breeding and Biotechnology, in scope of the EU Project "Proficiency" - FP7-REGPOT-2009-1-245751. **Institute of Soil Science and Crop Cultivation (IUNG)**, Pulawy, Poland (15th February to 3th March).

2012

- **Invited lecture** - "Using Genetic Engineering to improve plants response towards abiotic stress resistance." Stress Physiology class, Msc degree in Biotechnology and Cell Biology at **Faculdade de Ciências da Universidade de Lisboa**, Portugal (17th October).
- **Invited lecture** - "Using Genetic Engineering to improve plants response towards abiotic stress resistance." Biotechnology class, Biotechnology Degree (Bsc) at **Escola Superior Agrária de Castelo Branco**, Portugal (15th October).

2010

- **Invited teacher of Genetic Engineering** (Equip. a Assistente do 1^o triénio), Biotechnology degree (Bsc) at **Escola Superior Agrária do Instituto Politécnico de Coimbra**, Portugal (February-August).
- **Invited lecture** - "Using Genetic Engineering and Genomics to improve plants response towards abiotic stress resistance." Tropical Animal Science class, of the MSc degree in Animal Science at **Instituto Superior de Agronomia**, Portugal (06th December).
- **Invited lecture** - "Using Genetic Engineering to improve plants response towards abiotic stress resistance." Genetic Engineering class, Biotechnology and Cell Biology

Degree (Bsc) at **Faculdade de Ciências da Universidade de Lisboa**, Portugal (13th May).

- **Invited lecture** - "Using Genetic Engineering to improve plants response towards abiotic stress resistance." Stress Physiology class, Msc degree in Biotechnology and Cell Biology at **Faculdade de Ciências da Universidade de Lisboa** , Portugal (13th October).

2009

- **Invited lecture** - "Using Genetic Engineering to improve plants response towards abiotic stress resistance." Stress Physiology class, Msc degree in Biotechnology and Cell Biology at **Faculdade de Ciências da Universidade de Lisboa** , Portugal (8th October).
- **2nd Workshop of *Agrobacterium*- mediated transformation**, Escola Agrária de Ponte de Lima, **Instituto Politécnico de Viana do Castelo** (1-3rd June).
- **Informal teaching - Plant Genetic Engineering**, Biotechnology and Cell Biology Degree (Bsc) at **Faculdade de Ciências da Universidade de Lisboa**, Portugal (April - June).

2008

- **1st Workshop of *Agrobacterium*- mediated transformation**, Escola Agrária de Ponte de Lima, Instituto Politécnico de Viana do Castelo (dia 21-23th May)
- **Invited lecture** - "Agrobacterium-mediated transformation of the model Legume *Medicago truncatula*" , Plant Biotechnology class, Biotechnology and Cell Biology Degree (Bsc) at **Faculdade de Ciências da Universidade de Lisboa**, Portugal (17th April).

2007

- **Invited lecture** - "Expression of the DSP22 gene in *Medicago truncatula*: an approach to improve the response of a legume plant towards water deficit" , abiotic and biotic factors affecting plant productivity class, Msc degree in Biotechnology and Cell Biology (Msc) at **Faculdade de Ciências da Universidade de Lisboa**, Portugal (17th October).

2004

- **Invited lecture** entitled “Plant Genetic engineering of the model plant *Medicago truncatula*”, Plant Biotechnology class, Applied Plant Biology degree (Bsc) of the **Faculdade de Ciências da Universidade de Lisboa** (20th April).

13- Participation in Academic juries

a) PhD thesis jury (4)

- **Amaia Seminario Huarritz**. Drought stress responses in *Medicago truncatula* and Glycine max: System biology approaches. **Public University of Navarre**. To be held on the 22nd May 2017 (**As external examiner**)
- **José Polánia**. Morpho-physiological analysis of adaptive responses of common bean (*Phaseolus vulgaris* L.) to drought stress. Ph in Plant Biology and Biotechnology, **Universitat Autònoma de Barcelona**. 30 th September 2016 (**As main examiner**)
- **Nuno Almeida** - Comparative mapping of disease resistance gene in *Lathyrus* spp. using model legume genetic information. PhD in Biology, **Instituto de Tecnologia Química e Biológica António Xavier, Universidade Nova de Lisboa**. 23rd July 2015. (**As main examiner**)
- **Catia Nunes** - “Inhibition of SNF1-related protein kinase1 by trehalose 6-phosphate and other metabolites and the interrelation with plant growth”. PhD in Biology, **Instituto de Tecnologia Química e Biológica António Xavier, Universidade Nova de Lisboa**. 27th March 2015. (**As member of the Jury**)

b) Master thesis jury (4)

- **Susana Ribeiro** - “Regeneration and transformation of *Eucalyptus grandis*”. Master in Cell Biology and Biotechnology, **Faculdade de Ciências da Universidade de Lisboa**. 12th December 2012. (**As co-supervisor**)
- **Ana Rita Basílio Santos** - “*Medicago truncatula* as a platform for molecular farming: a study of the subcellular localization of a human recombinant protein”. Master in Biotechnology, **Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa**. 19th July 2012. (**As main examiner**)

- **André Alcantâra** - "*Medicago truncatula* and water deficit: exploring a new method for T6P quantification in plant extracts and characterization of three abscisic acid responsive promoters ". Master in Cell Biology and Biotechnology, **Faculdade de Ciências da Universidade de Lisboa**. 21st November 2011. **(As co-supervisor)**
- **Susana Silvestre** - "DROUGHTYRUS- Preliminary characterization of the physiological responses of ten *Lathyrus* genotypes to water deficit". Master in Cell Biology and Biotechnology, **Faculdade de Ciências da Universidade de Lisboa**, 18th November 2011. **(As co-supervisor)**

b) Bachelorship thesis (4)

- **Tomás Carvalho** - "Expression analysis of trehalose pathway encoding genes in *Phaseolus vulgaris* L." Bsc in Biotechnology, **Escola Superior Agrária de Coimbra**, 29th November 2011. **(As co-supervisor)**
- **Helena Silva** - "Study of the sub-celular localization of recombinant proteins produced in plants ". Bsc in Biotechnology, **Escola Superior Agrária de Coimbra**. 29th November 2011. **(Main examiner)**
- **Aline Santos** - "Transformation of *Medicago truncatula* with the AtTPS1 encoding gene from *Arabidopsis*". Bsc in Biotechnology, **Escola Superior Agrária de Coimbra**. 15th November 2010. **(As co-supervisor)**
- **Joana Poejo** - "Expression of the AtTPS1 encoding gene and functional analysis of drought responsible promoter in *Medicago truncatula*". Bsc in Biochemistry, **Universidade de Évora**. 7th July 2009. **(As co-supervisor)**

14 - Periods in foreign institutions

1. **May and November 2016** – University of Pavia, Italy. Research work abroad period in the scope of the current post-doc grant.
2. **November 2015** – Visit to the Department of Integrative Plant Biology Institute of Plant Genetics Polish Academy of Sciences, Poznan, Poland. Research Collaboration with Doctor Jorge Paiva (2 days)

3. **November 2015** - Visit to the Department of Plant Breeding and Biotechnology, Institute of Soil Science and Plant Cultivation, Pulawy, Poland. Research Collaboration with Doctor Anna Czubacka (2 days)
4. **March/Dezember 2015** - University of Pavia, Italy. Senior Visiting Research recruited under the scope of the PRIMTECH project (10 months)
5. **September/October 2014** - University of Pavia, Italy. Research collaboration with Doctor Alma Balestrazzi under the scope of the PRIMTECH project (1 week)
6. **September/October 2013** - INRA, Biologie du Development et Reproduction, Jouy-en-Josas, France. Short term scientific mission (STSM) form COST action TD 1101RGB-Net with Doctor Veronique Duranthon. (1 month).
7. **February/March 2013** - Institute of Soil Science and Plant Cultivation, Pulawy, Poland. Research collaboration with Doctor Anna Czybacka and Doctor Tereza Doroszewska under the scope of the EU Project "Proficiency" - FP7-REGPOT-2009-1-245751 (2 weeks).
8. **December 2011**- Unité Biogéochimie et Écologie des Milieux Continentaux (Bioemco), Ecole Normale Supérieure, Paris, France. Research Collaboration with Doctor Maria Helena Carvalho (1 week).
9. **December 2010**- Université Paris Est Créteil, *Paris*, France. Research Collaboration with Doctor Maria Helena Carvalho (1 week).
10. **January 2010** - Institut des Sciences du Végétal-CNRS, Gif-sur-Yvette, France. Research Collaboration with Doctor Martin Crespi (2 days).
11. **July 2009** - University of California, Davis, CA, USA. Research Collaboration with Doctor Douglas Cook (2 days).
12. **June 2006** - Department of Agroenvironmental Sciences and Technology, University of Bologna, Bologna, Italy, attending the WUEMED training course on integrated approaches to improve drought tolerance in crops (one week).
13. **September 2005** - Consiglio Nazionale delle Ricerche, Roma, Italy, attending WUEMED Workshop (Improving Water Use Efficiency in MEDiterranean Agriculture: what limits the adoption of new technologies?) (2 days).

15 – Attended courses and workshops

1. **2016 - Back to Basics: Risk assessment principles for GM plants**, EuropaBio Workshop, 201G, Brussels (14-15th June)
2. **2015 - Seed treatment stream of AG-BIO Congress 2015**. Amsterdam, The Netherlands. (2-4th December)
3. **2014 -Supervision of PhD Students Course**, NOVA Doctoral School, CEDOC, Lisbon, Portugal (2-3th June).
4. **2013 - Scientific Career Development Course**, FM-UL, Lisbon, Portugal (26th June).
5. **2013 - Training School on “Plant genome modification and the regulatory framework for GM plants in Europe”** supported by EU COST Action FP0905 "Biosafety of Forest Transgenic Trees: improving the scientific basis for safe tree development and implementation of EU policy directives", Tromsø, Norway, (29th April- 1st May 2013).
6. **2012- Ecophysiology Techniques Workshop**. Plant Environmental Physiology group (PEPG), Society of Experimental Biology, Sobreda da Caparica, Portugal (10-14th September)
7. **2012- INTERBIO workshop “Two faces of Science Communication”**, ITQB-UNL, Oeiras, Portugal. (19-23th March)
8. **2012- Proteomics course: gel based protein separation by two dimensional gel electrophoresis and protein characterization by MALDI-TOF/TOF mass spectrometry**, CIIMAR and IPATIMUP, Universidade do Porto, Portugal. (27th-Feb-1st March)
9. **2011- Gene cloning techniques**. Theoretical and hands-on course, Unité de Biogéochimie et Écologie des Milieux Continentaux (Bioemco) da Ecole Normale Supérieure de Paris, France (02-10th December)
10. **2011- NGSDM11 – Next generation Sequencing Data Management**. Bioinformatics Training Course, Instituto Gulbenkian de Ciência, Oeiras, Portugal (26-27th May)
11. **2011- Workshop “Talking to the media – Agrobiotechnology communication”**, Centro de Informação de Biotecnologia, ITQB, Oeiras, Portugal (2nd and 16th April)

12. **2010- Expression of plant proteins in heterologous expression systems**, theoretical and practical course, Université de Paris Est Créteil, France.(13-15th December)
13. **2009 - GACT09 -Genetic Architecture of Complex Traits**. Bioinformatics Training Course, Instituto Gulbenkian de Ciência, Oeiras, Portugal (09-11th December)
14. **2009 - WPAT09 - Workflows and Programmatically Accessible tools**. Bioinformatics Training Course, Instituto Gulbenkian de Ciência, Oeiras, Portugal (16-17th November)
15. **2009 - MDARB09 - Microarray Data Analysis using R and Bioconductor**, Bioinformatics Training Course, Instituto Gulbenkian de Ciência, Oeiras, Portugal (14-17th September)
16. **2008 - IB08 - Introductory bioinformatics**. Bioinformatics Training Course, Instituto Gulbenkian de Ciência, Oeiras, Portugal (7-11th Abril)
17. **2006 - WUEMED training course** on Integrated approaches to improve drought tolerance in crops, Department of Agroenvironmental Sciences and Technology, University of Bologna, Bologna, Italy (5-10th June)
18. **2005 - WUEMED Workshop** (Improving Water Use Efficiency in MEDiterranean Agriculture: what limits the adoption of new technologies?), Consiglio Nazionale delle Ricerche, Roma, Italy (29-30th September)
19. **2004 - Advanced Course in Oxidative Stress and Cell Signalling**, Instituto de Biologia Molecular e Celular, Porto, Portugal (27-29th October)
20. **2003 -Workshop of Plant Stress Biology**, Universidade do Minho, Braga, Portugal (18-21th June)

16 – Editorial board /Referee activities

a) Member of Editorial Board

Since Feb 2015 - **Associated Editor of Frontiers in Plant Sciences**, crop sciences and horticulture specialty.

b) Referee activity

- Tree Physiology , Oxford Journals
- BMC Genomics, BioMed Centrals
- Frontiers in Plant Sciences, Frontiers
- Acta Physiologiae Plantarum, Springer
- Plant Cell Tissue and Organ Culture, Springer
- New Zealand Journal of Crop & Horticultural Science, Royal Society of New Zealand
- Current Biotechnology, Bentham Science Publishers
- Biologia Plantarum, Springer
- Biologia, Springer
- International Journal of Agriculture and Forestry, Scientific & Academic Publishing
- Journal of Agricultural & Environmental Ethics, Springer
- International Journal of Plant Biology , PAGEPress
- Tropical and Animal Health Production, Springer
- Plant Systematics and Evolution , Springer

17 - Organization of Meeting, Workshops and Conferences

1. **2nd Legume Society Conference**, Trofa, Portugal. **Organization Committee – As local Co-Conveners (11-14th October 2016)**

<http://www.itqb.unl.pt/meetings-and-courses/legumes-for-a-sustainable-world>
2. **2014 - 3rd Forest Genomics Meeting**: Regulation of genome expression dynamics in forest trees, ITQB/IBET, Oeiras, Portugal (3rd Dec). **Co-organization.**
3. **2014- COST Action FP1106 Plenary meeting**. Hotel do Mar, Sesimbra, Portugal (27-30th May). **Co-organization.**

4. **2014 - Training School of the COST Action FP0905** on New Genetic Engineering Techniques for Tree Improvement - Biosafety of forest transgenic trees. INIAV and ITQB, Oeiras, Portugal (12-14th February) **Co-organization.**
5. **2012 – 2nd Forest Genomics Meeting:** Transgenic Forest Trees: time to harvest?, ITQB/IBET, Oeiras, Portugal (26th Nov). **Co-organization.**
6. **2010 – 1st Forest Genomics Meeting:** Eucalypts meet genomics, ITQB/IBET, Oeiras, Portugal (10th Dec). **Co-organization.**
7. **2009- 2nd Workshop of Agrobacterium- mediated transformation**, ESA-IPVC (1-3rd June). **Organization**
8. **2008 - 1st Workshop of Agrobacterium- mediated transformation**, ESA-IPVC (dia 21-23th May). **Organization.**

18 - Foreign languages

1. Portuguese (native language)
2. French (native language)
3. English (good reading, writing, and conversation skills)
4. Spanish (fluent reading and medium conversation)
5. Learning Italian (good understanding and reading)

19 – Membership in societies

1. **Since June 2016** – Associate/member of Centro de Informação de Biotecnologia (**Center for Biotechnology Information**), nonprofit and private association promoting communication of Biotechnology in Portugal.
2. **Since 2013** – Member of the **Legume Society**.
3. **Since April 2010** – Member of the ONG **Associação Tropical Agrária**.
4. **Since April 2010** - Member of the Farmer Association **Zea+**.
5. **Since July 2007** - Member of the **Portuguese Society of Biochemistry**.

6. **Since July 2007** - Member of the **Portuguese Society of Plant Physiology**.

7. **Since August 2005** – Member of the **Portuguese Biologist Association** (Nº 2777)

Lisbon, 25th April 2017



Susana de Sousa Araújo