

CURRICULUM VITAE

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SUMMARY:

Louzada received his Ph.D. in 1993 and after working in a private sector and at the University of Florida, he joined Texas A&M University-Kingsville (TAMUK) in 1997. His research focus has been in molecular biology of citrus and he published several refereed papers in this area. He created in 2000 an undergraduate research internship program to channel Hispanic undergraduate students to science career. He was funded for more than \$1.5 million for this project. Recently he created a science summer camp and a research internship program for high school students and was funded for close to \$ 600,000.

EDUCATION:

Ph.D.- Genetics	1993	Federal University of Rio de Janeiro/University of Florida.
M.S. - Soil Science	1978	Federal Rural University of Rio de Janeiro, Brazil.
B.S. - Agronomy	1975	Federal Rural University of Rio de Janeiro, Brazil.

EMPLOYMENT HISTORY (last 10 years)

Texas A&M University-Kingsville	Professor	September 1997-Present
University of Florida	Research Associate	August 1996- September 1997
Ceres 2000, Inc	Senior Scientist	December 1994- August 1996

PUBLICATIONS IN REFERRED JOURNALS

Bona, C.M., J.H. Gould, J.C. Miller Jr., G.R. Mceachern, M. Setamou, and **E.S. Louzada**. 2009.
'Irradiated microprotoplast-protoplast' fusion for future radiation map in citrus. Scientia
Agricola. (Submitted).

- De Bona CM, JH Gould, JC Miller Jr, D Stelly, and **ES Louzada** (2009) Citrus Assymmetric somatic hybrids produced via fusion of gamma-irradiated and iodoacetamide-treated protoplasts. *Pesq Agropec Bras* 44:454-456
- Chen, N., T.-X. Liu, M. Sétamou, J.V. French & **E.S. Louzada** (2008) Molecular identification and population dynamics of two species of *Pemphigus* (Homoptera: Pemphidae) on cabbage. *Insect Science* 16: 115-124
- Grosser JW, M Čalović and **ES Louzada** (2008) Protoplast fusion technology – somatic hybridization and cybridization. In: *Method Express* (in Press)
- Louzada ES**, HS del Rio, J Watson, M Setamou, and D Swietlik (2008) Evaluation of Citrus Rootstocks for the High pH, Calcareous Soils of South Texas. *Euphytica* 164:13-18
- Louzada ES**, del Rio HS, Peltz G, Abell AJ, and Persans MW. (2008), Undergraduate Research- A Bridge to Graduate Education in Agricultural Biotechnology for Hispanics. *HortTechnology* 18: 516-519.
- Bona CM, JH Gould, JC Miller Jr, GR McEachern and **ES Louzada** (2007) *In Vitro* Manipulation of Nine Grape Cultivars. *Subtrop Plant Sci.* 59: 56-63
- Louzada ES** (2006) Single Chromosome Transfer. In: IH Khan (ed) *Citrus Genetics, Breeding and Biotechnology*. CABI International.
- Louzada ES**. (2006) Alternative Processing as a mechanism for regulating gene expression. In: Basset CL (ed) *Regulation of Plant Gene Expression*. Springer-Verlag, Berlin Heidelberg.
- Palle SR, H Miao, M Seyran, **ES Louzada**, JV da Graca, and M Skaria. (2005) Evidence for association of Citrus psorosis virus with symptomatic trees and an *Olpidium*-like fungus in Texas. XVI Int. Organ. of Citrus Virol Conference.
- Robbins A and **ES Louzada** (2005) Expression analysis of a cold responsive transcript from trifoliolate orange by RT-PCR and real-time PCR. *Plant Cell Rep.*24:612-618.
- Jia Y, D Xia, and **ES Louzada** (2005) Molecular cloning and expression analysis of a putative terpene synthase from Citrus. *J. Amer. Soc. Hort. Sci.* 130: 454-458.
- Jia Y, HS del Rio, A Robbins, and **ES Louzada** (2004) Cloning and sequence analysis of a low temperature induced gene from trifoliolate orange with unusual pre-mRNA processing. *Plant Cell Rep.* 23: 159-166.

- Hernandez- Jasso Julio C, J V da Graca, and **ES Louzada** (2004) Identification of Differentially Expressed Genes from *Poncirus trifoliata* Triggered by *Citrus tristeza virus* Inoculation.. Subtrop. Plant Sci.56: 26-32.
- Da Graca JV, **Louzada ES**, and Sauls JW. (2004) The origin of the pigmented grapefruits and the development of new varieties. Proc. Int. Soc. Citriculture 1: 369-374.
- Louzada ES**, H.S. del Rio, D. Xia and J.M.Moran-Mirabal (2002) Preparation and fusion of microprotoplasts from *Citrus* spp. J. Amer. Soc. Hort. Sci. 127: 484-488.
- Rojas MM, KJ Crosby and **ES Louzada** (2002) Differential gene expression analysis in melon roots under drought stress conditions. Subtropical Plant Sci.54:6-10.
- Louzada ES** , H.S. Del Rio, I.L. Ingelbrecht, and D. Xia (2001) Production of transgenic Valencia orange suspension cells to be used as donors for chromosome transfer. Subtropical Plant Sci. 53: 9-13.
- ZY Yang, IL Ingelbrecht, **ES Louzada**, M Skaria, and TE Mirkov (2000) Agrobacterium-mediated transformation of the commercially important grapefruit cultivar Rio Red. Plant Cell Report 19: 1203-1211.
- Louzada ES** (2000) Register of new fruit and nut varieties HortScience 35(5) pp 815.
- Grosser JW, J. Jiang, FAA Mourao-Fo, **ES Louzada**, K. Baergen, JL Chandler, and FG Gmitter Jr (1998) Somatic hybridization, an integral component of citrus cultivar improvement: I. Scion Improvement. HortScience 33(6) 1057-1059.
- Grosser JW, J. Jiang, **ES Louzada**, JL Chandler, and FG Gmitter Jr (1998) Somatic hybridization, an integral component of citrus cultivar improvement: I. Rootstock Improvement. HortScience 33(6) 1060-1061.
- Gmitter Jr FG, **ES Louzada** , Z Deng , and S Huang (1998) A bacterial artificial chromosome (BAC) library for cloning a citrus tristeza virus resistance gene. Acta Hort. 461: 355-359.
- Grosser JW, FAA Mourao FO, FG Gmitter Jr, **ES Louzada**, J Jiang, K Baergen, A Quiroz, C Cabasson , JL Shell, and JL Chandler (1996) Allotetraploid hybrids between Citrus and seven related genera produced by somatic hybridization. Theo. Appl. Genetics 92: 577-582.
- Grosser JW, **ES Louzada**, and FG Gmitter Jr (1994) Somatic hybridization of complementary Citrus rootstock: five new hybrids. HortScience 29(7) 812-813.

Louzada ES, and JW Grosser (1994) Somatic hybridization of Citrus with sexually incompatible wild relatives. In: Bajah YPS (ed) Biotechnology in Agriculture and Forestry 27(29) 427-438. Springer-Verlag, Berlin Heidelberg.

Louzada ES, JW Grosser , and FG Gmitter Jr (1993) Somatic hybrid plants from sexually Incompatible parents: Citrus sinensis cv Hamlin and Atalantia ceylanica. Plant Cell Reports 12:687-690.

Lummerzheim M, de Oliveira D, Castresana C, Miguens FC, **Louzada ES**, Roby D, Montagu MV, and Timmerman B (1993) Identification of compatible and incompatible interactions between Arabidopsis thaliana and Xanthomonas campestris and characterization of the hypersensitive response. Mol. Plant Microb. Interact. St. Paul, MN: APS Press, 6 (5) 532-544.

Grosser JW, FG Gmitter Jr, **ES Louzada**, and JL Chandler (1992) Production of somatic hybrid and autotetraploid breeding parents for seedless Citrus development. HortScience 27(10) 1125-1127.

Louzada ES, JW Grosser, FG Gmitter Jr, N Tusa, XX Deng, B Nielsen, and JL Chandler (1992) Eight new somatic hybrid Citrus rootstocks with potential for improved disease resistance. HortScience 27: 1033-1036.

Tusa N, JW Grosser, FG Gmitter Jr, and **ES Louzada** (1992) Production of tetraploid somatic hybrid breeding parents for use in lemon cultivar improvement. HortScience 27(5): 445-447.

FUNDED GRANTS

Abbreviations:	TCPB:	Texas Citrus Producers Board
	USDA:	United State Department of Agriculture
	HSI:	Hispanic Serving Institution

Total Funding: \$2,596,521.26

Louzada ES (2009) Research Internship for Hispanic High School Students as a Toll to Recruit Students into Agricultural Professions. USDA-HSI, Project Period: September 2009- August 2012. **Amount Funded: \$ 281,737**

M Persans and **Louzada ES** -(2006) Agricultural biotechnology research experience for the preponderantly Hispanic population of South Texas. Funding source: USDA-HSI, Project Period: September 2006- August 2009, **Amount Funded: \$290,000.**

Louzada ES. (2009) Towards Broad Spectrum Disease Resistance in Citrus. Texas Citrus Producers Board. **Amount Funded: \$ 50,000**

Louzada ES and MW Persans (2007) Science summer camp for the highly Hispanic high school students of South Texas. Funding source: USDA-HSI, Project Period: September 1, 2007- August 31, 2010. **Amount Funded: \$245,000.**

Louzada ES (2007-2009) Development of new citrus scion and rootstock varieties for Texas. Funding source: Texas Citrus Producers Board; Project period: September 1, 2007 to August 31, 2008. **Amount Funded: \$47,000.**

Louzada ES (2007-2009) Development of a broad spectrum disease resistance for citrus. Funding source: Texas Citrus Producers Board; Project period: September 1, 2007 to August 31, 2008. **Amount Funded: \$25,000.**

de Figueiredo P, S Brian, D Martin, Z Nikolov, and **ES Louzada** (2007) Direct conversion of biomass into diesel. Funding source: Texas Agricultural Experiment Station; Project period: January , 2008 to January 2010, . **Amount Funded: \$175,000.**

Louzada ES and M Persans- UTPA (2006) Agricultural biotechnology research experience for the preponderantly Hispanic population of South Texas. Funding source: USDA-HSI, Project Period: September 2006- August 2009, **Amount Funded: \$339,000.**

Louzada ES (2006) Development and selection of new citrus scion and rootstock varieties for Texas. Funding source: TCPB, Project Period: September 2006-August 2007, **Amount Funded: \$25,000.**

Louzada ES (2006) Towards a broad spectrum disease resistance in citrus. Funding source: TCPB, Project Period: September 2006-August 2007, **Amount Funded: \$10,000.**

Louzada ES (2005) Development and selection of new citrus scion and rootstock varieties for Texas. Funding source: TCPB, Project Period: September 2005-August 2006, **Amount Funded: \$17,000.**

Louzada ES (2004) Development and selection of new citrus scion and rootstock varieties for Texas. Funding source: TCPB, Project Period: September 2004-August 2005, **Amount Funded: \$16,200.**

Louzada ES and A. Abell (2004) hands-on research, bridges to graduate studies in agriculture biotechnology. USDA-HSI **Amount Funded: \$ 51,903**

Louzada ES and M Persans (2003). Agricultural biotechnology research experience for the preponderantly Hispanic population of South Texas. Funding source: USDA-HIS, Project Period: September 2003- August 2006, **Amount Funded: \$298,363.**

Louzada ES (2003) Development and selection of new citrus scion and rootstock for varieties Texas. Funding source: TCPB, Project Period: September 2003-August 2004, **Amount Funded: \$22,000.**

Louzada ES (2002). Title: Development and Selection of New Citrus Scions and Rootstock Varieties for Texas. Funding Source: TCPB. Period: 09/01/02 to 08/31/03, **Amount Funded: \$ 23,557**

Da Graca J, **Louzada ES** (Co-PI), Patil B (2002). Title: Characterization and gene expression analysis of citrus phytochemicals and their role in human health. Funding Source: USDA Period: 01/10/01 to 01/09/2004. **Amount Funded: \$ 117,028.26**

Louzada ES and Abell AJ (2001). Title: Hands-on research, bridges to graduate studies in agricultural biotechnology. Funding Source: USDA-HSI. Project period: 9/1/01 to 8/31/04 **Amount Funded: \$ 299,969.**

Louzada ES (2001). Title: A new breeding strategy for citrus- the transfer of a single chromosome between citrus species. Funding Source: TCPB. Project Period: 9/1/01 to 8/31/02. **Amount Funded: \$ 17,904.**

Louzada ES and J da Graca (2001). Title: Use of differential display RT-PCR to study gene expression in *Poncirus trifoliata* under the infection of the citrus tristeza virus. Funding Source: TCPB. Project Period: 9/1/01 to 8/31/02. **Amount Funded: \$ 10,000.**

Abell AJ (PI). and **ES Louzada** (2000). Title: Enhancement of genetic lab teaching through agricultural biotechnology research. Funding Source: USDA-HSI. Project Period: 8/15/00 to 8/14/03. **Amount Funded: \$ 263,663.**