Wagner A. Vendrame

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EDUCATION

University of Georgia	Horticulture	Ph.D.	1998
University of São Paulo	Plant Physiology & Biochemistry	M.S.	1994
University of São Paulo	Agronomic Engineering	B.S.	1987

EMPLOYMENT

2020-Present	Professor and Assistant Chair, Environmental Horticulture Department, Gainesville, FL
2013-2020	Professor, Environmental Horticulture Department, Tropical Research and Education Center, University of Florida, Homestead, FL
2007-2013	Associate Professor, Environmental Horticulture Department, Tropical Research and Education Center, University of Florida, Homestead, FL
2001-2007	Assistant Professor, Environmental Horticulture Department, Tropical Research and Education Center, University of Florida, Homestead, FL
1998-2001	Post-Doctoral Associate, D. B. Warnell School of Forest Resources University of Georgia, Athens, GA

RESEARCH ASSIGNMENT (60%)

RESEARCH

Improved Production and Conservation of Plants using Macro and Micropropagation, Bioreactor Technology, and Cryopreservation.

- Current research responsibilities include production and conservation of plants using tissue culture, bioreactor, molecular biology, and cryopreservation techniques, including ornamental and medicinal plants, orchids, palms, flowering trees, and endangered/threatened species. Recent research projects of potential significant impact include:
    - Cryopreservation of orchid seeds and protocorms.
    - Cryopreservation of in vitro shoots of banana.
    - Micropropagation of plants, including sugarcane, bananas, orchids, bromeliads, ornamental foliage plants and medicinal plants using bioreactor technology.
    - Biofuel crop research: morphological and genetic characterization of accessions and in vitro techniques for jatropha (*Jatropha curcas*), a biofuel plant for biodiesel and bio jet fuel production.
    - Space biology research: study of the effects of microgravity on plant cell ultrastructure, cell multiplication, growth and development, and differential gene expression.

TEACHING ASSIGNMENT (30%) – Courses taught (undergraduate and graduate levels):

Orchid Short Course (ORH 4932)	Special topics – 1 credit; live
Orchidology (ORH 4280)	Full semester – 3 credits; online
Orchid Biology and Culture (ORH 5282)	Full semester – 3 credits; online
Plant Micropropagation (PLS 4242C)	Full semester – 3 credits; live
Advanced Plant Micropropagation (PLS 5241C)	Full semester – 3 credits; live

ADMINISTRATIVE ASSIGNMENT (10%)

Responsibilities include departmental representation at meetings and functions when the chair is unable to attend; EDIS departmental coordinator; back up for time approvals; helping with FARs and Effort reporting; advisory role supporting the chair; and backup for UFirst grant proposals.

PUBLICATIONS (Total = 158)

Books, Contributor of Chapter(s) (Total = 9)

Ledo, A. and W. Vendrame. 2021. Coconut Micropropagation and Cryopreservation. In: Janick, J. (ed.). Horticultural Reviews Vol. 45 pp. (in press).

Vendrame, W. and H.Y. Wetzstein. 2020. Carya illinoinensis (Wang) K. Koch. In: Biotechnology of Fruit and Nut Crops. R. E. Litz (ed.), CABI Publishing, Wallingford,

Oxfordshire, UK. pp. 238-245 (new edition).

Vendrame, W. 2018. Cryopreservation. In: Orchid propagation: From Laboratories to Greenhouses. Chapter 15-1 (pp. 283-302). E.C.T. Yeung; Y-I Lee (eds.), Springer Protocols Handbooks, Humana Press, Switzerland. 524 pp.

Vendrame, W.A. and A. A. Khoddamzadeh. 2016. Orchid Biotechnology. In: Janick, J. (ed.). Horticultural Reviews Vol. 44 pp. 173-228.

Takane, R.J., S.S. Yanagisawa, and W.A. Vendrame. 2015. Cultivo Moderno de Orquídeas: Phalaenopsis e seus Híbridos. Expressão Gráfica e Editora Ltda., Fortaleza, Ceará, Brazil. 200 pp. (Published in Portuguese)

Kauth, P.J., D. Dutra, T.R. Johnson, S.L. Stewart, M.E. Kane, and W.A.Vendrame. 2008. Techniques and applications of in vitro orchid seed germination. In: Floriculture, Ornamental and Plant Biotechnology: Advances and Topical Issues. T. da Silva (ed.), Global Science Books, UK. pp. 375-391.

Vendrame, W. and H.Y. Wetzstein. 2005. Carya illinoinensis (Wang) K. Koch. In: Biotechnology of Fruit and Nut Crops. R. E. Litz (ed.), CABI Publishing, Wallingford, Oxfordshire, UK. pp. 298-306.

Rodriguez, A.P.M., and W.A. Vendrame. 2003. Micropropagation of Tropical Woody Species. In: Micropropagation of Woody Trees and Fruits. S.M. Jain and K. Ishii (eds.). Kluwer Academics, Dordrecht, The Netherlands. pp. 153-179.

Wetzstein, H.Y., B.S. Jeyaretnam, W.A. Vendrame and A.P.M. Rodriguez. 2000. Somatic Embryogenesis in Pecan (Carya illinoinensis). In: Somatic Embryogenesis in Woody Plants, Vol. 6. S.M. Jain, P.K. Gupta, and R.J. Newton (eds.), Kluwer Academics, Dordrecht, The Netherlands. pp. 391-414.

Refereed Publications (Total = 73)

Bueno, P.M.C., M.B.D. Tofanelli, and W.A. Vendrame. 2021. Paclobutrazol as an alterantive to improve propagation of *Rubus brasiliensis* Mart. Sci. Hort.

Ferreira, L.S., A.L. Generoso, V.S. Carvalho, F.A.M.M.A. Figueiredo, R. Walter, T.M. Ferraz, J.R. Silva, G.A. Gravina, W. P. Rodrigues, W.A. Vendrame, E. Campostrini. 2021. Better light spectral quality and thermal amplitude inside the greenhouse stimulate growth and improve acclimatization of in vitro–grown *Cattleya warneri* T. Moore. In Vitro Cell Dev Biol-Plant.

Costa, B., A.R. Neto, P.C. Chagas, E. Chagas, M. Pasqual, and W. Vendrame. 2021. Influence of silicon and in vitro culture system on micropropagation and acclimatization of banana "Dwarf Cavendish. Acta Scient Agron 43:1-6.

Neto, A.R., C.A. Machado, E.A. Chagas, B.N.S. Costa, P.C. Chagas, W.A. Vendrame. 2020. *In Vitro* Germination of *Syagrus romanzoffiana* (Cham.) Glassman. Plant Cell Cult. Microprop. 16:e161

Pereira, S.T.S., W.A. Vendrame, K.F.L. Pivetta, J.C. Sorgato, and R.T. Faria. 2020. Efficiency of cryoprotective solutions for cryopreservation of two orchid species from Americas. Rodriguesia (In Press)

Chagas, E. 2020. In vitro callus induction and pro-embryogenic masses formation in caçari (Myrciaria dubia Kunth.): an important medicinal and nutritional plant. Crop Breed Appl Biotech (In press)

Costa, B., A.R. Neto, P.C. Chagas, E. Chagas, M. Pasqual, and W. Vendrame. 2020. Influence of silicon and in vitro culture system on micropropagation and acclimatization of banana"Dwarf Cavendish. Acta Scient Agron (In press)

Neto, A.R., E.A. Chagas, B.N.S. Costa, P.C. Chagas, W.A. Vendrame. 2020. Photomixotrophic growth response of sugarcane plantlets with increased light intensity and design of culture vessel. In Vitro Cell Dev Biol Plant. 56:504-514. https://doi.org/10.1007/s11627-020-10057-0

Vendrame, W.A., R.J. Takane, L. S. C. Oliveira, L.A. Rios, and R.T. Faria. 2020. Cryopreservation of seeds of Melocactus zehntneri Braun ex Ritter f. and Cereus gounellei Luetzelb ex Schum k. by vitrification. Agron. Sci. Biotech. 6:1-7.

Lédo, A.S., E.E.M. Passos, H.R. Fontes, J.M.S. Ferreira, V. Talamini, and W.A. Vendrame. 2019. Advances in coconut palm propagation. Rev Bras Frutic 41(2):1-14 (e-159)

Seal, D., R. Khan, W. Vendrame, and C. Waddill. 2019. Effect of BAM-FX in Developing a Management Program to Control Major Insect Pests of Tomato: Sweetpotato Whitefly (Hemiptera: Aleyrodidae), Thrips (Thysanoptera: Thripidae), and their Transmitted Viruses. Florida Entom 102(3):596-606.

Costa, A.P., I. Nogueira, J.R. Peixoto, M.S. Vilela, L.E.B. Blum, and W. Vendrame. 2018. Yellow passion fruit reaction to *Xanthomonas axonopodis* pv. *passiflorae* and to Cowpea aphid-borne mosaic virus. Crop Breed. App. Biotech. 18:349-356.

Costa, A.P., I. Nogueira, J.R. Peixoto, M.S. Vilela, L.E.B. Blum, and W. Vendrame. 2018. Reaction of yellow passion fruit to passion fruit woodiness disease and to bacterial spot. Biosci. J. 34(1):189-196.

Oliveira, A.B., A.P. Costa, L.C.N. Londe, A.I. Vargas, B. Schaffer, and W. Vendrame. 2018. Effectiveness of a micronutrient delivery system fertilizer in jatropha plants is related to enhanced photosynthesis, gas exchange and biomass allocation. Biosci. J. 34(1):97-107.

Castro, A.P.G., A.P. Costa, J.R. Peixoto, F.G. Faleiro, M.S. Vilela, and W. Vendrame. 2018. Molecular characterization of yellow passion fruit genotypes with different yield and disease resistance levels. Biosci. J. 34(1):168-176.

Oliveira, A.B., W. Vendrame, A.P. Costa, and L.C.N. Londe. 2018. Quantitative analysis of jatropha growth: micronutrient delivery system and N-P-K combined effects. Biosci. J. 34(1):17-27.

Londe, L.C.N., W.A. Vendrame, M. Sanaei, and A.B. Oliveira. 2018. Cryopreservation of banana's cv Grand Naine in vitro rhizomes. An. Acad. Bras. Ciências. 90(1):495-507.

Junior, R.F.G., W.A. Vendrame, C. Moretto, R.T. Faria, E.G.M. Lemos. 2017. Seed cryopreservation, in vitro propagation and ex vitro growth of *Catlleya walkeriana* Gardner, a vulnerable ornamental orchid. Australian J. Crop. Sci. 11(4):485-490.

Oliveira, A.B., W.A. Vendrame, L.C.N. Londe. 2017. Efficiency of cryoprotectants for in vitro and ex vitro germination of cryopreserved Jatropha curcas seeds. HortSci. 52:1117-1121.

Oliveira, A.B., W.A. Vendrame, L.C.N. Londe, and M. Sanaey. 2017. Induction of different types of callus in Jatropha curcas L. hybrid accession at in vitro condition. Australian J. Crop. Sci. 11(7):874-879.

Costa, A.P., I. Nogueira, J.R. Peixoto, M.S. Vilela, L.E.B. Blum, and W. Vendrame. 2017. Yellow passion fruit reaction to Xanthomonas axonopodis pv. passiflorae and to cowpea aphid-borne mosaic virus. Crop Breed. Appl. Biotech. 17(4):

Lédo, A.S., E.E.M. Passos, H.R. Fontes, J.M.S. Ferreira, V. Talamini, and W. A. Vendrame. 2017. Avanços na propagação da cultura do coqueiro. Rev. Bras. Frutic. 39:75-90.

Londe, L.C.N., W.A. Vendrame, A.B. Oliveira, M. Sanaey, and A.M. Costa. 2017. Phloroglucinol is effective for in vitro growth and multiplication of banana shoots and roots. J. Adv. Biol. Biotech. 13(2):1-8.

Tian, W., D. Paudel, W.A. Vendrame, and J. Wang. 2017. Enriching genomic resources and marker development from transcript sequences of *Jatropha curcas* for microgravity studies. Int. J. Genomics. 2017:1-15.

Santos D.N., J.L. Ferreira, T.A. Setotaw, G.M. A. Cançado, M. Pasqual, L.C.N. Londe, H.M. Saturnino, and W.A. Vendrame. 2016. Genetic structure from the oldest jatropha germplasm bank of Brazil and contribution for the genetic improvement. An. Acad. Bras. Ciências. 88(4):2363-2374.

Araújo, M.C.R., E.A. Chagas, M.I.R. Garcia, S.T.S. Pinto, P.C. Chagas, W. Vendrame, A.B.M. Filho, and O.M. Souza. 2016. Micropropagation of caçari under different nutritive culture media, antioxidants, and levels of agar and pH. African J. Biotech. 15(33):1771-1780.

Costa, A.P., W. Vendrame, S. Nietsche, J. Crane, K. Moore, and B. Schaffer. 2016. Branching, flowering and fruiting of *Jatropha curcas* treated with Ethephon or Benzyladenine and Gibberellins. An. Acad. Brasil. Ciências. 88(2):989-998.

Santos D.N., J.L. Ferreira, M. Pasqual, A.L. Generoso, T.A. Setotaw, G.M. A. Cançado, and W.A. Vendrame. 2016. Population structure of jatropha and its implication for the breeding program. Gen. Mol. Res. 15(1):1-11.

Cardoso, J., J.A.T. da Silva, and W.A. Vendrame. 2016. Impacts of deforestation on some orchids of São Paulo State, Brazil. Natureza & Conservação – Brazilian J. Nature Conserv. 14:28-32.

Nietsche, S., W.A. Vendrame, J.H. Crane, and M.C.T. Pereira. 2015. Variability of reproductive traits in *Jatropha curcas* L. accessions during early developmental stages under warm subtropical conditions. Global Change Biology-Biotechnology. 7(1):122-134.

Ray, H., W. Vendrame. 2015. Orchid pollination biology. Electronic Data Information Source, Environmental Horticulture Department, UF/IFAS Extension, ENH1260.

Teixeira, J.A., S. Zeng, R.F. Galdiano Jr., J. Dobránski, J.C. Cardoso, and W. A. Vendrame. 2014. In vitro conservation of *Dendrobium* germplasm. Plant Cell Rep. 33:1413-1423.

Vendrame, W., R.T. Faria, M. Sorace, S.A. Sahyun. 2014. Orchid Cryopreservation – Review. Ciênc. Agrotec. 38(3):213-229.

Wanderley, C.S., R.T. Faria, M.U. Ventura, and W. Vendrame. 2014. The effect of plant growth regulators on height control in potted Arundina graminifolia orchids. Acta Sci. 36(4):489-494.

Pereira, M.C.T., J.H. Crane, W. Montas, S. Nietsche, and W.A. Vendrame. 2014. Effects of storage length and flowering stage of pollen influence its viability, fruit set and fruit quality in 'Red' and 'Lessard Thai' sugarapple (*Annona squamosa*) and 'Gefner' atemoya (*A. cherimola* × *A. squamosa*). Sci. Hort. 178:55-60.

Galdiano Jr., R.F., E.G.M. Lemos, and W. Vendrame. 2014. Seedling development and evaluation of genetic stability of cryopreserved Dendrobium hybrid mature seeds. Applied Biochem. Biotech. 172(5):2521-2529.

Nietsche, S., W.A. Vendrame, J.H. Crane, and M.C.T. Pereira. 2014. Variability of reproductive traits in *Jatropha curcas* L. accessions during early developmental stages under warm subtropical conditions. Global Change Biology-Bioenergy. 7(1):122-134.

Guimarães, J.F.R., S. Nietsche, M.R. Costa, G.B.R. Moreira, M.C.T. Pereira, W. Vendrame. 2013. Genetic diversity in sugar apple (*Annona squamosa* L.) by using RAPD markers. Revista Ceres. 60(3):301-305.

Vendrame, W.A. and A. Pinares. 2013. Characterizing parameters of *Jatropha curcas* cell cultures for microgravity studies. Advances in Space Research. 51:2069-2074.

Galdiano Jr., R.F., E.G.M. Lemos, and W. Vendrame. 2013. Cryopreservation, early seedling development, and genetic stability of *Oncidium flexuosum* Sims. Plant Cell, Tissue, and Organ Culture. 114(1):139-148.

Nietsche, S., W.A. Vendrame, J.H. Crane, and M.C.T. Pereira. 2013. Assessment of reproductive characteristics of *Jatropha curcas* L. in south Florida. Global Change Biology-Bioenergy. 6:351-359.

Galdiano Jr., R.F., E.G.M. Lemos, R.T. Faria, and W. Vendrame. 2012. Cryopreservation of Dendrobium hybrid seeds and protocorms as affected by phloroglucinol and Supercool X1000. Scientia Horticulturae. 148:154-160.

Zanotti, R.F., L.B. Motta, J. Bragatto, C.A. Labate, A. N. Salomão, W. A. Vendrame, and R. F. Cuzzuol. 2012. Germination, carbohydrate composition and vigor of cryopreserved Caesalpinia echinata seeds. Brazil. Arch. Biol. Technol. 55(5):661-669.

Fogaça, L.A., R.A. Oliveira, F.L. Cuquel, J.C.B. Filho, W.A. Vendrame, A.F.C. Tombolato. 2012. Heritability and genetic correlation tools for daylily breeding. Euphytica 184:301-310.

Vendrame, W. A., R.T. Faria. 2011. Phloroglucinol enhances recovery and survival of cryopreserved Dendrobium nobile protocorms. Scientia Horticulturae 128:131-135.

Moore, K., S. Greenhut, W. Vendrame. 2011. Greenhouse production of Jatropha curcas L., a potential biofuel crop. HortTechnology 21(2):193-197.

Kauth P.J., M.E. Kane, W.A. Vendrame. 2011. Comparative in vitro germination ecology of Calopogon tuberosus var. tuberosus (Orchidaceae) across its geographic range. In Vitro Cellular & Developmental Biology – Plant 47:148-156.

Kauth P.J., M.E. Kane, W.A. Vendrame. 2011. Chilling relieves corm dormancy in Calopogon tuberosus (Orchidaceae) from geographically distant populations. Environmental and Experimental Botany 70:283-288.

Werner, E.T., C.R.D. Milanez, L.H.G. Mengarda, W.A. Vendrame, G.R.F. Cuzzuol. 2011.

Meios de cultura, reguladores de crescimento e fontes de nitrogênio na regulação da calogênese do pau-brasil (Caesalpinia echinata Lam.). Acta Botanica Brasilica 24 (4):1046-1051

Vendrame, W.A., A.J. Palmateer, A. Pinares, K.A. Moore, L.E. Datnoff. 2010. Silicon fertilization affects growth of hybrid Phalaenopsis orchid liners. HortTechnology 20(3):603-607.

Pinares, A., J. Gonzalez-Astorga, A.P. Vovides, J. Lazcano, W.A. Vendrame. 2009. Genetic diversity of the endangered endemic Microcycas calocoma (Miq.) A. DC (Zamiaceae, Cycadales): Implications for conservation. Biochemical Systematics and Ecology 37:385-394.

Mengarda, L.H.G., R.L.F. Souza, E. Campostrini, F.O. Reis, W.A. Vendrame, G.R.F. Cuzzuol. 2009. Light as an indicator of ecological succession in brazilwood (Caesalpinia echinata Lam.). Brazilian Journal of Plant Physiology 21:55-63.

Kauth, P., Kane, M., Vendrame, W., and C. Reinhardt-Adams. 2008. Asymbiotic germination response to photoperiod and nutritional media in six populations of Calopogon tuberosus var. tuberosus (Orchidaceae): evidence for ecotypic differentiation, Annals of Botany 102:783-793.

Vendrame, W.A., V.S. Carvalho, J.M.M. Dias, and I. Maguire. 2008. Pollination of Dendrobium Hybrids using Cryopreserved Pollen, HortScience 43(1):264-267.

Gonçalves, L.A., R.M. Geraldine, E.A Picoli, W.AVendrame and W.C. Otoni. 2008. In vitro propagation of Herreria salsaparilha Martius (Herreriaceae) as affected by different sealing materials and gaseous exchanges. Plant Cell, Tissue, and Organ Culture 92:243-250.

Vendrame, W.A., V.S. Carvalho, I. Maguire and J.M.M. Dias. 2007. In vitro germination and plant regeneration of cryopreserved Dendrobium hybrid mature seeds, Scientia Horticulturae 114:188-193.

Vendrame, W. A., V.S. Carvalho, and I. Maguire. 2007. In Vitro Propagation and Plantlet Regeneration from Doritaenopsis Purple Gem 'Ching Hua' Flower Explants, HortScience, 42(5):1256-1258.

Kauth, P., M.E. Kane and W.A. Vendrame. 2006. Greenhouse irrigation method influences growth and quality of in vitro propagated Cryptocoryne wendtii plantlets. Plant Cell, Tissue, and Organ Culture, 87(2): 219-222.

Kauth, P.J., W.A. Vendrame, and M.E. Kane. 2006. In Vitro Seed Culture and Seedling Development of Calopogon tuberosus. Plant Cell, Tissue, and Organ Culture, 85:91-102.

Vendrame, W. and K. Klock-Moore. 2005. Comparison of Herbaceous Perennial Plant Growth in Seaweed Compost and Biosolids Compost. Compost Science and Utilization 13(2):122-126. (R-10051).

Vendrame, W.A. and K. Klock-Moore. 2004. Interaction of light intensity and controlled-release fertilization rate on growth and flowering of two New Guinea impatiens cultivars. HortTechnology, 14(4): 491-495.

Fitzpatrick, G.E., E.C.Worden, and W.A.Vendrame. 2004. Historical Development of Composting Technology during the 20th Century. HortTechnology, 15(1): 48-51.

Dai, J., W. Vendrame and S.A. Merkle. 2004. Enhancing the productivity of hybrid yellow-poplar and hybrid sweetgum embryogenic cultures. In Vitro Cell. Dev. Biol.- Plant 40:376-383.

Myers, A.R. and W. Vendrame. 2004. Somatic Embryogenesis in Delonix regia (Boger.) Raf (Royal Poinciana). Journal of Undergraduate Research 5(6). http://www.clas.ufl.edu/jur/200403/papers/paper_myers.html

Vendrame, W.A., C.P. Holliday, and S.A. Merkle. 2001. Clonal propagation of hybrid sweetgum (L. styraciflua x L. formosana). Plant Cell Reports, 20: 691-695.

Vendrame, W.A., C.P. Holliday, P.M. Montello, D.R. Smith. 2001. Cryopreservation of yellow-poplar and sweetgum embryogenic cultures. New Forests, 21: 283-292.

Vendrame, W.A., G.D. Kochert, D. Sparks and H.Y. Wetzstein. 2000. Field Performance and Molecular Evaluations of Pecan Trees Regenerated from Somatic Embryogenic Cultures. J. Amer. Soc. Hort. Science, 125(5): 542-546.

Vendrame, W.A., G.D. Kochert and H.Y. Wetzstein. 1999. AFLP Analysis of Variation in Pecan Somatic Embryos. Plant Cell Reports, 18: 853-857.

Refereed Proceedings-1: (reviewed by an FSHS committee, usually faculty from universities in the State of Florida with national or international standing)

Vendrame, W. A., I. Maguire, and K.K. Moore. 2005. Growth of selected bedding plants as affected by different compost percentages. Proceedings of the Florida State Horticultural Society, 118: 368-371.

Vendrame, W.A., J.F. Garofalo, and A.W. Meerow. 2004. Effects of light duration on flower development of blood lily. Proceedings of the Florida State Horticultural Society, 117:341-345.

Myers, A.R. and W. Vendrame. 2004. Propagation of Yellow Kampong Royal Poinciana via Somatic Embryogenesis. Proceedings of the Florida State Horticultural Society, 117:338-341.

Refereed Proceedings-2: (reviewed by the Organizing Committee of the 55th National Congress/26th Regional Meeting of Botanists, Botanical Society of Brazil, usually faculty from universities in Brazil with national or international standing)

Vendrame, W.A. 2004. Introdução à História das Orquídeas (Introduction to the History of Orchids). Proceedings of the 55° Congresso Nacional/26° Encontro Regional de Botânicos de MG, BA e ES, Sociedade Botânica do Brasil (55th National Congress/26th Regional Meeting of Botanists from the states of MG, BA, and ES, Botanical Society of Brazil), Viçosa, Minas Gerais, Brazil. CD publication, no page number. (Invited paper). (See section 16)

Vendrame, W.A. 2004. Produção Comercial de Orquídeas nos Estados Unidos (Commercial Production of Orchids in the United States). Proceedings of the 55° Congresso Nacional/26° Encontro Regional de Botânicos de MG, BA e ES, Sociedade Botânica do Brasil (55th National Congress/26th Regional Meeting of Botanists from the states of MG, BA, and ES, Botanical Society of Brazil), Viçosa, Minas Gerais, Brazil. CD publication, no page number. (Invited paper). (See section 16)

Non-refereed Publications (Total = 23)

Non-refereed Proceedings:

Vendrame, W.A. 2015. Cryopreservation of orchid seeds, protocorms and pollen. Proceedings of the Florida State Horticultural Society, 128:242-246.

Araújo, M.C.R., W.A. Vendrame, E.A. Chagas, M.I.G. Ribeiro, R. Vilaca. 2015. Preliminary studies on in vitro propagation of camu-camu (*Myrciaria dubia*), an important medicinal plant.

Proceedings of the Florida State Horticultural Society, 128:52-54.

Hasandras, H., K. Moore, L.A. Gettys, W. Vendrame. 2015. Growth of naiad (*Najas* guadalupensis) and hydrilla (*Hydrilla verticillata*) using controlled-release fertilizer. Proceedings of the Florida State Horticultural Society, 128:268-270.

Pinares, A., W. A. Vendrame, A. Myers. 2013. Preliminary study of the differential gene expression in *Jatropha curcas* L. in vitro cultures exposed to microgravity. Proceedings of the Florida State Horticultural Society, 126:296-299.

Myers, A., W.A. Vendrame, A. Pinares. 2013. In vitro growth of *Jatropha curcas* L. cell cultures in microgravity. Proceedings of the Florida State Horticultural Society, 126:292-295.

Vendrame, W.A., K. Moore, A.C. Wilkie, J.H. Crane, and W. Montas. 2012. Performance of Jatropha (*Jatropha curcas* L.) accessions under different microclimate conditions in Florida. Proceedings of the Florida State Horticultural Society, 125: 9-12.

Crane, J.H., W.A. Vendrame, W. Montas, A. Pinares, and E.A. Evans. 2010. Preliminary field evaluation of Jatropha (Jatropha curcas L.) under south Florida environmental conditions. Proceedings of the Florida State Horticultural Society, 123:1-4.

McMillan, R.T., A. Palmateer, and W. A. Vendrame. 2009. Cercospora leaf spot caused by Cercospora dendrobii on Dendrobium antennatoum Lindl. and its control. Proceedings of the Florida State Horticultural Society, 120:353-355.

McMillan, R.T., A. Palmateer, and W. A. Vendrame. 2006. Survey for Cymbidium mosaic and Odontoglossum ringspot viruses in domestic and international orchids. Proceedings of the Florida State Horticultural Society, 119:393-395.

Maguire, I. and W. A.Vendrame. 2005. Digital photography. Proceedings of the Florida State Horticultural Society, 118: 302-305.

McMillan, R. T. and W. A.Vendrame. 2005. Color break in orchid flowers. Proceedings of the Florida State Horticultural Society, 118: 287-288.

Garofalo, J.F. and W. A. Vendrame. 2005. The response of blood-lily, Scadoxus multiflorus ssp. Katherinae to daylength, shade, and other production variables. Proceedings of the Florida State Horticultural Society, 118: 363-364.

Vendrame, W.A., Holliday, C. P. and S. A. Merkle. 2004. Clonal propagation of hybrid sweetgum (L. styraciflua X L. formosana) via somatic embryogenesis. Acta Horticulturae (ISHS) 625: 241-247.

Wilson, S.B., Thetford, M. and W. Vendrame. 2004. Restructuring a Plant Propagation Course for Distance Education. Acta Horticulturae (ISHS) 641: 111-116.

Moore, K. K., E. C. Worden, and W. Vendrame. 2004. Fort Lauderdale Trial Garden – Year 2. Proceedings of the Florida State Horticultural Society, 117:330-334.

Moore, K. K., E. C Worden, and W. Vendrame. 2004. Fort Lauderdale Winter Trial Garden. Proceedings of the Florida State Horticultural Society, 116:179-183.

Non-refereed Trade Journals:

Vendrame, W.A. 2004. The Beauty of Orchids. Lawn and Garden Retailer, 3(7): 16-20.

Vendrame, W.A. 2004. Grower 101: The Beauty of Orchids. Greenhouse Product News, 14(8): 58-61.

Vendrame, W.A. 2004. Orchid Research taking off at TREC. Citrus and Vegetable Magazine, 68(6): 18.

Reviewed Non-refereed IFAS-Extension Fact Sheets:

Garofalo, J., J. Haynes, and W. Vendrame. 2003. Palmas del Genero Phoenix para el Sur de Florida. Miami-Dade County Cooperative Extension Service, Fact Sheet No. 94.

Garofalo, J., J. Haynes, and W. Vendrame. 2003. Phoenix Palms for South Florida. Miami-Dade County Cooperative Extension Service, Fact Sheet No. 78.

Garofalo, J. and W. Vendrame. 2002. Blood Lily, a Potential Nursery Crop for South Florida. Miami-Dade County Cooperative Extension Service, Fact Sheet No. 64.

Non-refereed Reports:

Vendrame, W.A., G.D. Kochert and H.Y. Wetzstein. 1997. AFLP - a rapid, sensitive technique to screen somaclonal variation. Highlights of the SIVB Meeting. Agricell Report, 29(1): 5.

Abstracts (Total = 35)

Vendrame, W.A. 2016. Cryopreservation and the use of bioreactor technology in clonal propagation of orchids. Challenges and opportunities in tropical ornamentals: Orchids as model crop workshop, Annual Conference of the American Society for Horticultural Science, August 7- 11, Atlanta, Georgia. (Invited)

Vendrame, W. A. 2015. Cryopreservation of Orchid Seeds, Protocorms and Pollen. II Brazilian Symposium on Orchid Cultivation. March 2-6, UNESP, Jaboticabal, São Paulo, Brazil. (Invited)

Vendrame, W. A. 2015. Cryopreservation of Orchids. Brazilian Conference on Plant Tissue Culture and Floriculture. September 7-11, ESALQ/USP, Piracicaba, São Paulo, Brazil. (Invited)

Vendrame, W. A. 2015. Cryopreservation of Orchid Seeds, Protocorms and Pollen. Annual Conference of the Florida State Horticultural Science, June 1-4, St. Augustine, Florida.

Araújo, M. C. and W.A. Vendrame. 2015. In Vitro Propagation of Camu-Camu, an Important Medicinal Plant (Myrciaria dubia). Annual Conference of the Florida State Horticultural Science, June 1-4, St. Augustine, Florida.

Hasandras, H., K. Moore, L.A. Gettys, and W. Vendrame. 2015. Growth of Naiad (Najas guadalupensis) and Hydrilla (Hydrilla verticillata) using Controlled-Released Fertilizer. Annual Conference of the Florida State Horticultural Science, June 1-4, St. Augustine, Florida.

Vendrame, W.A. and A. Pinares. 2013. Differential gene expression in *Jatropha curcas* in vitro cultures exposed to microgravity. HortScience

Mizobutsi, E.H., R.R.S. Sobral, R.C. Santos, M.B. Fernandes, L.M. Silva, D.O. Santos, G.P. Mizobutsi, W. Vendrame. 2013. Essential oils in the management of anthracnose in postharvest of ‘Palmer’mango fruits. HortScience

Nietsche, S., W. Vendrame, J.H. Crane, M.C.T. Pereira. 2013. Phenotypic diversity of *Jatropha curcas* L. accessions under warm subtropical conditions. HortScience

Tian, W., J. Wang, W. Vendrame. 2013. Comprehensive functional analyses of expressed sequence tags (ESTs) in *Jatropha curcas* L. HortScience

Pereira, M.C.T., J.H. Crane, S. Nietsche, W. Montas, W. Vendrame. 2013. Pollen viability and

pollination in sugar apple (*Annona squamosa*) and 'Gefner' atemoya (*A. cherimola* x *A. squamosa*) in South Florida. HortScience

Mizobutsi, G.P., R.R.S. Sobral, R. C. Santos, M.B. Fernandes, L.M. Silva, D.O. Santos, W. Vendrame, E.H. Mizobutsi. 2013. Essential oils in the management of Anthracnose in post-harvest of 'Palmer' mango fruits. HortScience

Mizobutsi, E.H., R.R.S. Sobral, R. C. Santos, M.B. Fernandes, L.M. Silva, D.O. Santos, , G.P.Mizobutsi, W. Vendrame. 2013. Essential oils in the conservation of 'Palmer' mango fruits. HortScience

Vendrame, W.A. and A. Pinares. 2012. Effects of microgravity on Jatropha curcas L. in vitro cell cultures. First Annual International Space Station Research and development Conference, American Astronautical Society

Vendrame, W.A., S. Nietsche, A.P. Costa, M.C.T. Pereira, and J. H. Crane. 2012. Variability of Reproductive Characteristics in Jatropha curcas Accessions in South Florida. HortScience

Vendrame, W.A., S. Nietsche, and M.C.T. Pereira. 2012. Pollen Germination and Fruit Set in Jatropha curcas Accessions in South Florida. HortScience.

Costa, A.P., W.A. Vendrame, S. Nietsche, J.H. Crane, and K.K. Moore. 2012. Effects of Plant Growth Regulator Applications on Branching, Flowering, and Fruiting of Jatropha curcas L. HortScience.

Condon, W. and W.A. Vendrame. 2012. Clonal Propagation of Dragonfruit (Hylocereus sp.) Hybrids. HortScience

Galdiano Jr., R., W.A. Vendrame, and E.G.M. Lemos. 2012. Cryopreservation of Dendrobium Hybrid Mature Seeds by Vitrification using Cryoprotectant Additives. HortScience.

Galdiano Jr., R., W.A. Vendrame, and E.G.M. Lemos. 2012. Effects of Oryzalin and Trifluralin in Polyploidy Induction in In Vitro Cattleya walkeriana Gardner (Orchidaceae) Seedlings. HortScience.

Vendrame, W.A. and A. Pinares. 2011. Evaluating Parameters for the Optimization of Jatropha curcas Cell Cultures for Microgravity Studies. HortScience 46 (9):S104

Silva, J.F., M.C.T. Pereira, G.H. Korndorfer, J.A.A. Oliveira, I. Costa, C.D.A. Corsato, G.P. Mizobutsi, S. Nietsche, and W. A. Vendrame. 2011. Effects of Silicon on Pest Management and Productivity in Sugar Apple (Annona squamosa) Trees in Brazil. HortScience 46 (9):S128-S129.

Nietsche, S., W.A.Vendrame, J.H. Crane, and W. Montas. 2011. Phenological Changes in Jatropha curcas Accessions under South Florida Environmental Conditions. HortScience 46(9):S124-S125.

Vendrame, W.A., A. Pinares; A.J. Palmateer; and L.E. Datnoff. 2009. Silicon Fertilization of Potted Orchids. HortScience 44(4):1118.

Vendrame, W.A., L.A. Fogaça, A. Pinares, F.L. Cuquel, and J.C.B. Filho. 2009. Assessment of Ploidy Levels and Genetic Relationships Among Selected Hemerocallis Hybrids. HortScience 44(4):1176.

Vendrame, W.A. 2007. Cryopreservation of Dendrobium hybrid mature seeds. HortScience, 42(4): 974.

Kauth, P.J., W.A.Vendrame, and M.E. Kane. 2006. Micropropagation of Calopogon tuberosus, a Native Terrestrial Orchid, by Shoot Production from Corm Explants. Journal of the Soc. for In Vitro Biol. 42:23-A.

Vendrame, W.A., C.P. Holliday, and S.A. Merkle. 2005. Using Tissue Culture for the Clonal Propagation of Hybrid Woody Plants – The Hybrid Sweetgum Case. HortScience, 40(4): 982.

Kauth, P.J., W.A.Vendrame, and M.E. Kane. 2005. In Vitro Germination and Seedling Development of Calopogon tuberosus. Journal of the Soc. for In Vitro Biol. 41:27-A.

Vendrame, W.A. 2004. Introdução à História das Orquídeas (Introduction to the History of Orchids). 55° Congresso Nacional/26° Encontro Regional de Botânicos de MG, BA e ES, Sociedade Botânica do Brasil (55th National Congress/26th Regional Meeting of Botanists from the states of MG, BA, and ES, Botanical Society of Brazil). CD publication, no page number. (Invited).

Vendrame, W.A. 2004. Produção Comercial de Orquídeas nos Estados Unidos (Commercial Production of Orchids in the United States). 55° Congresso Nacional/26° Encontro Regional de

Botânicos de MG, BA e ES, Sociedade Botânica do Brasil (55th National Congress/26th Regional Meeting of Botanists from the states of MG, BA, and ES, Botanical Society of Brazil). CD publication, no page number. (Invited).

Fitzpatrick, G.E., E. C. Worden, and W. A. Vendrame. 2003. Historical Development of Composting Technology during the 20th Century. HortScience, 38(5): 745.

Vendrame, W.A., C.P. Holliday, D.R. Smith and S.A. Merkle. 1999. Optimization of a Cryopreservation Protocol for Embryogenic Cultures of Yellow-Poplar (Liriodendron tulipifera). Proceedings of the 25th Biennial Southern Forest Tree Improvement Conference, 47: 172-173.

Vendrame W.A., D. Sparks, G.D. Kochert and H.Y. Wetzstein. 1998. A Phenotypic and Molecular Evaluation of Field-grown Trees derived from Somatic Embryogenic Cultures. HortScience, 33(3): 527.

Vendrame, W.A., G.D. Kochert and H.Y. Wetzstein. 1997. AFLP Marker Analysis of Somatic Embryogenic Cultures of Pecan. Hot Topics Addendum. In Vitro Cell. Dev. Biol., 33(3): 10.

Miscellaneous (Total = 41)
Media Releases:

Air & Space Smithsonian, Guy Gugliotta, "World's Highest Laboratory", 26:7: 22-27, February/March 2012.

Florida – Magazine of the Gator Nation, Cinnamon Bair, "UF Part of Final Flight", July 8, 2011.

Gainesville Sun, Nathan Crabbe, "Three UF experiments aboard Atlantis, but UF researchers worry about the future", July 7, 2011.

Gainesville Sun, Nathan Crabbe, "UF sending experiments into space", July 3, 2011.
Domestic Fuel, Joanna Schroeder, "Biodiesel heads to space", June 7, 2011.
Kennedy News, Kennedy Space Center, Allard Beutel and Katherine Trinidad, "Glow-in-the-Dark Plants Are Highlight of International Space Station Science Briefing", February 5, 2010.

Earth Times, "NASA takes jatropha for a ride into outer space on space shuttle Endeavour, February, 8, 2010.

Biofuel Digest, Jim Lane, "Chicken Little, Corn Little, Jatropha Little: Is the sky really falling (or is that jatropha floating in space?)", February 9, 2010.

NASA – International Space Station, Lori Meggs, "Alternative Energy Crops in Space, NASA's Marshall Space Flight Center, March 5, 2010.

Kolds – News 13, CBS, Arizona, Aaron Pickering, "Space could increase production of bio-fuel", March 8, 2010.

National Geographic News – Breaking Orbit, Victoria Jaggard, "Biofuels in space! Or, what the heck is microgravity?", March 8, 2010.

Biofuel Digest, Jim Lane, "Jatropha in space; ISS experiments on seed-growing in progress until April", March 9, 2010.

Space Travel – Exploration and Tourism, Staff Writers, "Alternative Energy Crops in Space", March 9, 2010.

Wired Science, Katie Scott, "Do biofuels grow better in space?", March 9, 2010.

La Nación/Aldea Global, Andrea Solano and Agencies, "En La Estación Espacial Internacional: Astronautas realizan experimento con semillas de Centroamérica" (On the International Space Station: Astronauts perform experiment with seeds from Central America), March 15, 2010.

ClimateWire, Jessica Leber, "Biofuels: Shuttle lands with jatropha from space", April 23, 2010.

Gainesville Sun, Nathan Crabbe, "UF sends seeds of alternative fuel to space with Atlantis", May 15, 2010.

BioTechniques, Erin Podolak, "The International Journal of Life Sciences Methods: Plant biology blasts off: Shuttle missions explore biofuels", June 14, 2010.

Florida Today, "Jatropha enthusiasts want to develop it as a local crop", August 24, 2010.

The Wichita Eagle/Kansas.com, Molly McMillin, "Plants go to space to be genetically altered; could be used in jet fuel", August 25, 2010.

Miami Herald, "From outer space, a fuel of the future -- and a Florida crop, August 25, 2010.

The Independent Florida Alligator, Jon Silman, “UF will be using rocket fuel to generate biofuel during next week’s shuttle launch”, October 28, 2010.

The Gainesville Sun, Nathan Crabbe, “UF researcher's work taking ride into space”, November 3, 2010.

Ornamental Outlook, Paul Rusnak, “Fuel for Thought”, October, 2008.

South Dade News Leader, John Baxter, “Something for Everyone at TREC”, May 26, 2006.

South Dade News Leader, John Baxter, “Local Orchid Experts Speak at UF”, April 25, 2006.

International Focus/UF, Linda Evans, “A Blossoming Relationship: UF/IFAS joins trade mission to South Africa”, October 2005.

International Focus/UF, Linda Evans, “Preserving Orchids: UF/IFAS is creating a frozen seedbank”, October 2005.

Redland Country News, “South Miami-Dade Horticulture Travels the Globe”, October 31, 2005.

UF/IFAS News, “New Hybrid Orchid Named for Miami-Dade Mayor Carlos Alvarez”, July 14, 2005.

Ornamental Outlook, Chuck Woods, “Orchid Mania”, January 2005.

In Vitro Cellular and Developmental Biology Journal Highlights, “Yellow Poplar and Sweetgum Embryogenesis”, 2004. (http://www.sivb.org/journalHighlights38-3.asp)

Explore/UF, Chuck Woods, “Flower Power!”, Fall 2004.
Impact/UF, Chuck Woods, “Orchidaceous!”, Summer 2004.
International Focus/UF, Linda Evans, “UF/IFAS taps international sources to meet orchid demand”, June 2004.

The Dade-Monroe Grower, Yolanda Ulrich, “No Longer Just a Hobby Indulgence”, September 28, 2004.

The Tampa Tribune, Jim Tunstall, “Cloned Orchids Growing Industry”, September 20, 2004.

UF News, "Orchid Mania: Exotic Plant Now the Fastest Growing Segment of Nation's $13 Billion Floriculture Industry", August 26, 2004.

The Miami Herald, "Learn Power of the Flower", December 11, 2003.

The Dade-Monroe Grower, Yolanda Ulrich, "Orchid Society Helps Fund Research", February, 2003.

The Miami Herald, "Coalition for Orchid Species", September 16, 2002.

LECTURES, SPEECHES, POSTERS, PRESENTED AT PROFESSIONAL CONFERENCES

International (Total = 40; Invited = 36)

Vendrame, W.A. 2018. Opportunities and Possibilities – Models of Research, Extension and Teaching at UF. ENAEXT (15th Annual Extension Meeting), on October 26, 2018, at UNOESTE, Presidente Prudente, SP, Brazil. (Invited)

Vendrame, W.A. 2018. Micropropagation and Bioteactors in Orchid Production. III Brazilian Symposium on Orchid Cultivation (III Simpósio Brasileiro de Cultivo de Orquídeas), on March 21, 2018, Londrina, PR, Brazil. (Invited)

Vendrame, W.A. 2018. Orchid Industrial Production III Brazilian Symposium on Orchid Cultivation (III Simpósio Brasileiro de Cultivo de Orquídeas), on March 21, 2018, Londrina, PR, Brazil. (Invited) – Opening Keynote Speaker.

Vendrame, W.A. 2016. Cryopreservation for Plant Conservation. New Frontiers in Research: Bioreactors and Microgravity. Instituto Federal Goiano. December 7, 2016, Rio Verde, GO, Brazil. (Invited)

Vendrame, W.A. 2016. New Frontiers in Research: Bioreactors and Microgravity. Instituto Federal Goiano. December 6, 2016, Rio Verde, GO, Brazil. (Invited)

Vendrame, W. A. 2015. Cryopreservation of Orchids. Brazilian Conference on Plant Tissue Culture and Floriculture. September 7-11, ESALQ/USP, Piracicaba, SP, Brazil. (Invited)

Vendrame, W. A. 2015. Cryopreservation and Bioreactors for In Vitro Propagation of Orchids. II Brazilian Symposium on Orchid Cultivation (II Simpósio Brasileiro de Cultivo de Orquídeas), on March 5, 2015, Jaboticabal, SP, Brazil. (Invited)

Vendrame, W. A. 2014. Cryopreservation of Orchid Seeds, Protocorms and Pollen. 2014 World Forum on Biology – Joint Meeting of the Society for In Vitro Biology and the Society for Cryobiology, May 31 – Jun. 4, Savannah, GA. (Invited)

Vendrame, W. A. 2014. Advances in Jatropha Research at the University of Florida. II PanAmerican Workshop of Innovation for the Sustainable Production of Jatropha (*Jatropha curcas*), Mar. 11-13, San Jose, Costa Rica. (Invited)

Vendrame, W. A. 2013. Jatropha in Florida. I International Symposium of Biofuels – Building Energy Independence (I Simposio Internacional de Biocombustibles – Construyendo Independencia Energetica), Oct. 16-18, Tarapoto, Peru (Invited)

Vendrame, W. A. 2013. Studies in Space Biology. Special lecture presented to students at Universidade Estadual de Montes Claros (Unimontes), March 13, campus Janaúba, Minas Gerais, Brazil. (Invited)

Vendrame, W. A. 2013. Graduate Programs at the University of Florida. Special lecture presented to students at Universidade Estadual de Montes Claros (Unimontes), March 13, campus Janaúba, Minas Gerais, Brazil. (Invited)

Vendrame, W. A. 2013. Sex, Crime and Hollywood – A Brief History of Orchids. Invited to deliver the opening talk for the I Brazilian Symposium on Orchid Cultivation (I Simpósio Brasileiro de Cultivo de Orquídeas), on March 6, 2013, in the city of Fortaleza, CE, Brazil. The program is posted in Portuguese at the site: http://www.aceg.ufc.br/simbraorq/ (Invited)

Vendrame, W. A. 2011. Advances in Jatropha Research in Florida. II Brazilian Conference on Jatropha Research (II Congresso Brasileiro de Pesquisa em Pinhão-Manso), Nov. 29-30, Brasília, Brazil (Invited)

Vendrame, W.A. 2011. Jatropha Research at the University of Florida. Pan-American

Workshop on Sustainable Production of Jatropha (Workshop Pan Americano de Sustentabilidade nos Plantios de Pinhão-Manso), Dec. 1, Brasília, Brazil (Invited)

Vendrame, W. A. 2011. Advances in Jatropha Research in Florida. International Conference on Jatropha (Seminário Internacional Jatropha Colombia), Oct. 19-21, Villavicencio, Colombia (Invited)

Vendrame, W. A. 2010. Preliminary evaluation of jatropha in Florida. International Conference on Biofuel Crop Production and Development. Zamorano University, Tegucigalpa, Honduras, August 23-25. (Invited)

Vendrame, W. A. 2010. Jatropha. UF-EARTH Green Energy Summit - Global Agronomic Center for Green Energy. San Jose, Costa Rica, June 8-9. (Invited)

Vendrame, W.A. 2009. Micropropagation and Cryopreservation of Orchids and Trees. Special Topics in Graduate Studies. UFPR (Universidade Federal do Paraná), Curitiba, PR, Brazil, May 18-22. (Invited)

Vendrame, W.A. 2009. Orchid Production Systems in the USA. Special Topics in Graduate Studies. UFPR (Universidade Federal do Paraná), Curitiba, PR, Brazil, May 18-22. (Invited)

Vendrame, W.A. 2009. Biotechnology applied to Woody Species. Special Topics in Graduate Studies. UFPR (Universidade Federal do Paraná), Curitiba, PR, Brazil, May 18-22. (Invited)

Vendrame, W.A. 2009. Jatropha and Biofuel Production. Special Topics in Graduate Studies. UFPR (Universidade Federal do Paraná), Curitiba, PR, Brazil, May 18-22. (Invited)

Vendrame, W.A. 2008. A Brief History of Orchids. Special Topics in Technological Advances for Orchid Production. UNESP (Universidade Estadual de São Paulo), Jaboticabal, SP, Brazil, December 15-19. (Invited)

Vendrame, W.A. 2008. Orchid Production in Florida. Special Topics in Technological Advances for Orchid Production. UNESP (Universidade Estadual de São Paulo), Jaboticabal, SP, Brazil, December 15-19. (Invited)

Vendrame, W.A. 2008. Thinking Outside the Box – Jatropha and Space Research. Special Topics in Technological Advances for Orchid Production. UNESP (Universidade Estadual de

São Paulo), Jaboticabal, SP, Brazil, December 15-19. (Invited)

Vendrame, W.A. 2008. Jatropha curcas for Biofuel Production. International Conference on Research and Educational Opportunities in Biofuel Crop Production. November 17-19, EARTH University, Costa Rica (Invited).

Kauth, P.J.*, M.E. Kane, and W.A. Vendrame. 2008. Using In Vitro Techniques as Tools to Differentiate Ecotypes of Calopogon tuberosus, a North American Native Orchid. 2008 World Congress on In Vitro Biology, June 14-18, Tucson, AZ. (Selected)

Vendrame, W.A. 2008. Sex, Crime, and Hollywood – A Brief History of Orchids. 2008 Tamiami International Orchid Festival, January 25-27, Miami, FL. (Invited)

Pinares, A.***, J.G. Astorga, A. Vovides, J. Lazcano, D. Montesinos, and W.A. Vendrame. 2008. Genetic diversity of the endangered endemic Microcycas calocoma (Miq.) A.DC. 8th International Cycad Conference, January 12-18, University of Panama, Panama City, Panama. (Volunteered)

Kauth, P.J., M.E. Kane, and W.A. Vendrame. 2008. In Vitro Seed Germination and Seedling Development of Calopogon tuberosus var. tuberosus from Different Geographic Sources. 19th World Orchid Conference, January 23-27, Miami, FL. (Volunteered)

Vendrame, W.A. 2007. Brief History of Orchids. (Breve História de las Orquídeas). Diplomado Internacional de Frutas y Ornamentales del Trópico, April 23, Universidad Autonoma de Chiapas, Tapachula, Chiapas, Mexico. (Invited)

Vendrame, W.A. 2007. Orchid Production in the US. (Producción de Orquídeas en los Estados Unidos). Diplomado Internacional de Frutas y Ornamentales del Trópico, April 23, Universidad Autonoma de Chiapas, Tapachula, Chiapas, Mexico. (Invited)

Vendrame, W.A. 2006. Potential Applications of Plant Tissue Culture for Flowering Trees. International Color Conference, Tropical Flowering Tree Society, June 2-5, Coconut Grove, Florida (Invited).

Vendrame, W.A. 2006. Sex, Crime, Hollywood, and Orchids. Universidade Federal de Viçosa, February 1st, Viçosa, Minas Gerais, Brazil (Invited).

Vendrame, W.A. 2006. Advances in Orchid Nursery Production. Universidade Federal de Viçosa, February 1st, Viçosa, Minas Gerais, Brazil (Invited).

Vendrame, W., V.S. Carvalho, P. Moon, and J.M.M. Dias. 2005. Cryopreservation of Dendrobium 'Jaquelyn Thomas' (Dendrobium Swartz.) mature seeds by vitrification. 51st Annual Meeting of the Interamerican Society for Tropical Horticulture, October 9-14, Santo Domingo, Dominican Republic. (Volunteered)

Vendrame, W.A. 2004. Introduction to the History of Orchids. 55th National Congress of Botany, July 18-23, Viçosa, Minas Gerais, Brazil (Invited).

Vendrame, W.A. 2004. Commercial Production of Orchids in the U.S. 55th National Congress of Botany, July 18-23, Viçosa, Minas Gerais, Brazil (Invited).

Vendrame, W.A. 2003. The Applications of Tissue Culture for Flowering Trees. Second International Color Conference, Tropical Flowering Tree Society, February 28-March 1, Coconut Grove, Florida (Invited).

Vendrame, W.A., Holliday, C. P. and S. A. Merkle. 2002. Clonal propagation of hybrid sweetgum (L. styraciflua X L. formosana) via somatic embryogenesis. 26th International Horticulture Congress, August 11-17, Toronto, Canada. (Selected)

Wilson, S.B., Thetford, M. and W. Vendrame. 2002. Restructuring a Plant Propagation Course for Distance Education. 26th International Horticulture Congress, August 11-17, Toronto, Canada. (Selected)

Vendrame, W.A., C.P. Holliday, and S.A. Merkle. 2002. Clonal propagation of hybrid sweetgum (L. styraciflua x L. formosana). 10th International Association for Plant Tissue Culture and Biotechnology Congress, June 23-28, Orlando, Florida. (Selected)

National-USA (Total = 31; Invited = 8)

Vendrame, W.A. 2016. Cryopreservation and the use of bioreactor technology in clonal propagation of orchids. Challenges and opportunities in tropical ornamentals: Orchids as model crop workshop, Annual Conference of the American Society for Horticultural Science, August 7-11, Atlanta, Georgia. (Invited)

Vendrame, W.A. 2016. Microgravity and plant cells. NASA webinar "Innovation at the edge of space: microgravity case studies", June 28, Industry Innovation and Microgravity Lead, Space Portal Science and Technology Corporation, NASA Ames Research Center. (Invited)

Vendrame, W. A. 2014. Cryopreservation of Orchid Seeds, Protocorms and Pollen. Artificial Seed and Cryopreservation in Horticultural Crops Workshop, Annual Conference of the American Society for Horticultural Science, July 28-31, Orlando, Florida. (Invited)

Vendrame, W. 2013. Differential gene expression in *Jatropha curcas* in vitro cultures exposed to microgravity. Annual Conference of the American Society for Gravitational and Space Research, Nov. 3-8, Orlando, Florida. (Selected)

Vendrame, W. and A. Pinares. 2013. Differential gene expression in *Jatropha curcas* in vitro cultures exposed to microgravity. Annual Conference of the American Society for Horticultural Science, July 21-15, Palm Desert, California. (Selected)

Tian, W.*, J. Wang, W. Vendrame. 2013. Comprehensive functional analyses of expressed sequence tags (ESTs) in *Jatropha curcas* L. Annual Conference of the American Society for Horticultural Science, July 21-15, Palm Desert, California. (Selected)

Condon, W.* and W. Vendrame. 2012. Clonal propagation of dragon fruit (Hylocereus sp.) hybrids. Annual Conference of the American Society for Horticultural Science, July 31 – Aug. 3, Miami, Florida. (Selected)

Galdiano Jr., R*., W. Vendrame, and E.G.M. Lemos. 2012. Cryopreservation of Dendrobium hybrid mature seeds by vitrification using cryoprotectant additives. Annual Conference of the American Society for Horticultural Science, July 31 – Aug. 3, Miami, Florida. (Selected)

Galdiano Jr., R*., W. Vendrame, and E.G.M. Lemos. 2012. Effects of oryzalin and trifluralin in polyploidy induction in in vitro Cattleya walkeriana Gardner (Orchidaceae) seedlings. Annual Conference of the American Society for Horticultural Science, July 31 – Aug. 3, Miami, Florida. (Selected)

Costa, A.P.*, W. Vendrame, S. Nietsche, J. Crane, and K.K. Moore. 2012. Effects of plant growth regulator applications on branching, flowering, and fruiting of Jatropha curcas L. Annual Conference of the American Society for Horticultural Science, July 31 – Aug. 3, Miami, Florida. (Selected)

Vendrame, W., S. Nietsche, A.P. Costa, M.C.T. Pereira, and J.H. Crane. 2012. Variability in reproductive characteristics in Jatropha curcas L. accessions in south Florida. Annual Conference of the American Society for Horticultural Science, July 31 – Aug. 3, Miami, Florida. (Selected)

Vendrame, W., S. Nietsche, and M.C.T. Pereira. 2012. Pollen germination and fruit set in Jatropha curcas L. accessions in south Florida. Annual Conference of the American Society for Horticultural Science, July 31 – Aug. 3, Miami, Florida. (Selected)

Vendrame, W. A. 2012. Effects of microgravity on Jatropha curcas L. in vitro cell cultures. First Annual International Space Station Research and Development Conference, American Astronautical Society/NASA/Center for Advancement of Science in Space, June 26-27, Denver, Colorado. (Invited)

Vendrame, W. A. 2011. Evaluating parameters for the optimization of Jatropha curcas cell cultures for microgravity studies. Annual Conference of the American Society for Horticultural Science, Sept. 23-25, Kona, Hawaii. (Selected)

Nietsche, S.**, W.A. Vendrame, J.H. Crane, and W. Montas. 2011. Phenological changes in Jatropha curcas accessions under South Florida environmental conditions. Annual Conference of the American Society for Horticultural Science, Sept. 23-25, Kona, Hawaii. (Selected)

Pereira, M.C.T.**, J.F. Silva, G.H. Korndorfer, J.A.A. Oliveira, I. Costa, C.D.A. Corsato, G.P. Mizobutsi, S. Nietsche, W.A. Vendrame. 2011. Effects of silicon on pest management and productivity in sugar apple (Annona squamosa) trees in Brazil. Annual Conference of the American Society for Horticultural Science, Sept. 23-25, Kona, Hawaii. (Selected)

Vendrame, W. A. 2010. Renewable Energy Meeting and Site Visits. Organization of the American States, U.S. Department of State, and Ministry of External Relations of Brazil. Miami, Florida, August 26-28. (Invited)

Vendrame, W.A.; A. Pinares; A.J. Palmateer; and L.E. Datnoff. 2009. Silicon Fertilization of Potted Orchids. Annual Conference of the American Society for Horticultural Science, July 25-28, St. Louis, Missouri. (Selected)

Vendrame, W.A.; L.A. Fogaça; A. Pinares; F.L. Cuquel; and J.C.B. Filho. 2009. Assessment of Ploidy Levels and Genetic Relationships among Selected Hemerocallis Hybrids. Annual

Conference of the American Society for Horticultural Science, July 25-28, St. Louis, Missouri. (Selected)

Vendrame, W.A. 2008. Assessing Jatropha curcas for Biodiesel and Byproduct Production. CPBR 2008 Symposium – The Consortium for Plant Biotechnology Research Inc., February 11-13, Washington, D.C. (Selected)

Vendrame, W.A. 2008. Plant Cell Growth in Microgravity. USDA-ARS & NASA - Space-Based Biotech R&D Conference. February 15, USDA - National Visitors Center, Beltsville, MD. (Invited)

Vendrame, W.A. 2007. Cryopreservation of Dendrobium hybrid mature seeds. 96th Annual International Conference of the American Society for Horticultural Science (ASHS), July 16-20, Scottsdale, Arizona. (Selected)

Vendrame, W.A. 2007. Assessing Jatropha Species for Biofuel Production. CPBR 2007 Symposium – The Consortium for Plant Biotechnology Research Inc., February 12-14, Washington, D.C. (Selected)

Vendrame, W.A. 2006. Novel Nursery Production Techniques Workshop; Nursery Crops Working Group. Annual Conference of the American Society for Horticultural Science, July 27-30, New Orleans, Louisiana (Moderator).

Kauth, P.J.*, W.A. Vendrame, and M.E. Kane. 2006. Micropropagation of Calopogon tuberosus, a Native Terrestrial Orchid, by Shoot Induction from Corm Explants. 2006 In Vitro Biology Meeting, June 3-7, Minneapolis, MN. (Selected)

Fitzpatrick, G. E. and W. A. Vendrame. 2005. Use of the Horticultural Trade Show as a Guided Learning Experience in Undergraduate Horticulture Courses. Teaching Methods Workshop. Annual Conference of the American Society for Horticultural Science, July 18-21, Las Vegas, Nevada. (Selected).

Vendrame, W.A., C.P. Holliday, and S.A. Merkle. 2005. Using Tissue Culture for the Clonal Propagation of Hybrid Woody Plants – The Hybrid Sweetgum Case. Annual Conference of the American Society for Horticultural Science, July 18-21, Las Vegas, Nevada (Invited).

Kauth, P.J.*, W.A. Vendrame, and M.E. Kane. 2005. In Vitro Germination and Seedling

Development of Calopogon tuberosus. 2005 In Vitro Biology Meeting, June 5-7, Baltimore, MD.

Vendrame, W.A. 2005. Advances in orchid research at the Tropical Research and Education Center, University of Florida. Annual Conference of the American Society for Horticultural Science, July 18-21, Las Vegas, Nevada (Invited).

Fitzpatrick, G.E., E. C. Worden, and W. A. Vendrame. 2003. Historical Development of Composting Technology During the 20th Century. ASHS Centennial Conference, October 3-6, Providence, Rhode Island. (Selected)

Vendrame W.A., D. Sparks, G.D. Kochert and H.Y. Wetzstein. 1998. A Phenotypic and Molecular Evaluation of Field-grown Trees derived from Somatic Embryogenic Cultures. Annual Conference of the American Society for Horticultural Science, July 12-15, Charlotte, North Carolina. (Selected)

Vendrame, W.A., G.D. Kochert and H.Y. Wetzstein. 1997. AFLP Marker Analysis of Somatic Embryogenic Cultures of Pecan. 1997 Congress of In Vitro Biology, June 14-18, Washington, D.C. (Selected)

Regional (Total = 10; Invited =6)

Vendrame, W.A. 2013. Assessment of reproductive characteristics in Jatropha accessions in south Florida. SEC Symposium, Feb. 10-12, Atlanta, GA.

Vendrame, W.A. 2012. Advances in Jatropha Research at TREC. Fourth Annual Clean Energy and Sustainable Technologies Conference, sponsored by UF-IFAS Lee County extension in partnership with Lee County's Pollution Prevention Program, November 9, 2012, Riverside Community Center, Fort Myers, FL. (Invited).

Vendrame, W.A. 2011. Sex, Crime, Hollywood and Orchids. Boca Raton Orchid Society, Oct. 13, Boca Raton, Florida. (Invited).

Vendrame, W.A. 2009. Jatropha as Potential Biofuel Crop. Growing Energy, 2009 Southeast Bioenergy Conference, Aug. 11-13, Tifton, Georgia (Invited)

Vendrame, W.A. 2009. Jatropha as Potential Biofuel Crop. Biofuels for Highlands County. Which One? – Production of Traditional and Emerging Biofuel Crops, March 5, Highlands

County Extension, Bert J. Harris Jr. Agricultural Center, Sebring, Florida. (Invited).

Vendrame, W.A. 2009. Jatropha as Potential Biofuel Crop. Seminar Series, Bioenergy and Sustainable Technologies (BEST), University of Florida, Feb. 23, Gainesville, Florida. (Invited).

Vendrame, W.A. 2004. Basics of Micropropagation. 2004. 2004 Southeast Greenhouse Conference and Trade Show, June 23-26, Greenville, South Carolina (Invited).

Garofalo, J.F. and W.A. Vendrame. 2003. The response of blood-lily, Scadoxus multiflorus, to daylength, shade, and other production practices in South Florida. American Society for Horticultural Science Southern Region; 63rd Annual Meeting, February 1-3, Mobile, Alabama. (Volunteered)

Vendrame, W.A., C.P. Holliday, and S.A. Merkle. 2001. Clonal propagation of hybrid sweetgum (L. styraciflua x L. formosana). 26th Biennial Southern Forest Tree Improvement Conference, July 26-29, Athens, Georgia. (Selected)

Vendrame, W.A., C.P. Holliday, D.R. Smith and S.A. Merkle. 1999. Optimization of a Cryopreservation Protocol for Embryogenic Cultures of Yellow-Poplar (Liriodendron tulipifera). 25th Biennial Southern Forest Tree Improvement Conference, July 11-14, New Orleans, Louisiana. (Selected)

State (Total = 23; Invited = 6)

Vendrame, W.A. 2018. Cryopreservation and the use of bioreactor technology for the clonal propagation of orchids. Florida Native Plant Society 38th Annual Conference, May 16-20, Miami, Florida.

Rodriguez, A., A. Khoddamzadeh, W. Vendrame, K. Jayachandran, and A. Freidenreich. 2017. Poinsettia fertilizer management: application of optical sensor technology. 2017 Agroecology Symposium, Florida International University, March 2, Miami, Florida.

Vendrame, W. A. 2015. Cryopreservation of Orchid Seeds, Protocorms and Pollen. Annual Conference of the Florida State Horticultural Science, June 1-4, St. Augustine, Florida.

Araújo, M. C. and W.A. Vendrame. 2015. In Vitro Propagation of Camu-Camu, an Important

Medicinal Plant (*Myrciaria dubia*). Annual Conference of the Florida State Horticultural Science, June 1-4, St. Augustine, Florida.

Hasandras, H., K. Moore, L.A. Gettys, and W. Vendrame. 2015. Growth of Naiad (*Najas guadalupensis*) and Hydrilla (*Hydrilla verticillata*) using Controlled-Released Fertilizer. Annual Conference of the Florida State Horticultural Science, June 1-4, St. Augustine, Florida.

Pinares, A., W. A. Vendrame, A. Myers. 2013. Preliminary study of the differential gene expression in *Jatropha curcas* L. in vitro cultures exposed to microgravity. 2013 Annual Meeting of the Florida State Horticultural Society and the Soil and Crop Science Society of Florida, June 2-4, Sarasota, FL. (Selected)

Myers, A., W.A. Vendrame, A. Pinares. 2013. In vitro growth of *Jatropha curcas* L. cell cultures in microgravity. 2013 Annual Meeting of the Florida State Horticultural Society and the Soil and Crop Science Society of Florida, June 2-4, Sarasota, FL. (Selected)

Vendrame, W.A., K.K. Moore, A.C. Wilkie, J.H. Crane, A.P. Costa, and W. Montas. 2012. Performance of Jatropha curcas L. Accessions under Different Microclimate Conditions in Florida. 2012 Annual Meeting of the Florida State Horticultural Society and the Soil and Crop Science Society of Florida, June 3-5, Boca Raton, FL. (Selected)

Vendrame, W. A. 2010. Preliminary assessment of Jatropha curcas for biofuel production in Florida. 2010 Farm to Fuel Summit, FDACS. Orlando, August 11-13. (Invited)

Vendrame, W. A. 2010. International Space Station Science Briefing. NASA Kennedy Space Center, Cape Canaveral, Florida, February 5. (Invited)

Vendrame, W.A. 2009. Biofuel Production from Jatropha. SCSSF and FSHS Joint Symposium on Biofuel Production in the US: Status and Future Prospects, 2009 Joint Annual Meeting of the Florida State Horticultural Society and the Soil and Crop Science Society of Florida, June 7-9, Jacksonville, FL. (Invited)

Vendrame, W.A. 2008. Jatropha – Hype or Hope? Farm to Fuel Summit (Florida Department of Agriculture and Consumer Services), July 30- August 1, Orlando, Florida. (Invited)

McMillan, R.T., A.J. Palmateer, and W.A. Vendrame. 2008. Cercospora Leaf Spot Caused by Cercospora dendrobii on Dendrobium and its Control. 121st Annual Meeting of the Florida State

Horticultural Society, June 1-3, Ft. Lauderdale, FL. (Volunteered)

Vendrame, W.A. 2007. Plant Cell Growth in Microgravity. Space Research Colloquium; Office of Research and Graduate Programs (RGP); Interdisciplinary Program Development (IPD), University of Florida, August 28-29, Gainesville, FL. (Invited)

McMillan, R.T., A.J. Palmateer, and W.A. Vendrame. 2007. Effect of Roughing on Erwinia Soft rot In Commercial Production with Two Phalaenopsis Plants per Pot. 120th Annual Meeting of the Florida State Horticultural Society, June 5-7, Palm Beach, FL. (Volunteered)

McMillan, R.T., J. Steele Jr., and W.A. Vendrame. 2006. Efficacy of Fungicides for Control of a Difficult Fungus Erysiphe cichoracearum Powdery Mildew on Gerbera Daisy, Gerbera jamesonii. 119th Annual Meeting of the Florida State Horticultural Society, June 4-6, Tampa, Florida. (Volunteered)

McMillan, R.T., A. Palmateer, and W.A. Vendrame. 2006. Survey for Cymbidium mosaic and Odontoglossum ring spot viruses in domestic and international orchids. 119th Annual Meeting of the Florida State Horticultural Society, June 4-6, Tampa, Florida. (Volunteered)

Vendrame, W. A., I. Maguire, and K.K. Moore. 2005. Growth of selected bedding plants as affected by different compost percentages. 118th Annual Meeting of the Florida State Horticultural Society, June 5-7, Tampa, Florida. (Volunteered)

Maguire, I.*** and W. A.Vendrame. 2005. Digital photography. 118th Annual Meeting of the Florida State Horticultural Society, June 5-7, Tampa, Florida. (Volunteered)

McMillan, R. T. and W. A.Vendrame. 2005. Color break in orchid flowers. 118th Annual Meeting of the Florida State Horticultural Society, June 5-7, Tampa, Florida. (Volunteered)

Vendrame, W.A. 2004. Effects of Light Duration on Flower Development in Blood Lily. 117th Annual Meeting of the Florida State Horticultural Society, June 6-8, Orlando, Florida. (Volunteered)

Moore, K. K., E. C Worden, and W. Vendrame. 2004. Fort Lauderdale Winter Trial Garden – Year 2. 117th Annual Meeting of the Florida State Horticultural Society, June 6-8, Orlando, Florida. (Volunteered)

Garofalo, J.F. and W.A. Vendrame. 2004. The Response of Blood-lily, *Scadoxus multiflorus* ssp. katherinae, to Daylength, Shade, and Other Production Practices. 117th Annual Meeting of the Florida State Horticultural Society, June 6-8, Orlando, Florida. (Volunteered)

Myers, A.R.**** and W. Vendrame. 2004. Propagation of Yellow Kampong Royal Poinciana via Somatic Embryogenesis. 117th Annual Meeting of the Florida State Horticultural Society, June 6-8, Orlando, Florida. (Volunteered)

Local (Total = 30; Invited = 25)

Vendrame, W.A. 2019. The Exquisite World of Orchids, Tamiami International Orchid Festival, Jan. 11, Miami, Florida. (Invited).

Vendrame, W.A. 2018. Orchid Ecology and Conservation. Gold Coast Unlimited Orchid Society Meeting, October 9, North Miami, Florida. (Invited).

Vendrame, W.A. 2018. The Exquisite World of Orchids, Deerfield Beach Orchid Society, Feb. 13, Miami, Florida. (Invited).

Vendrame, W.A. 2018. The Exquisite World of Orchids, Tamiami International Orchid Festival, Jan. 14, Miami, Florida. (Invited).

Vendrame, W.A. 2017. A Brief History of Orchids, Tamiami International Orchid Festival, Jan. 13, Miami, Florida. (Invited).

Vendrame, W.A. 2017. History of Orchids and Research Program at TREC. Gold Coast Unlimited Orchid Society Meeting, January 10, North Miami, Florida. (Invited).

Vendrame, W.A. 2016. *Jatropha curcas* L. for biofuel production. Florida International University, April 13, Miami, Florida. (Invited).

Vendrame, W.A. 2016. Microgravity and plant cells. Tropical Flowering Tree Society, Fairchild Tropical Botanic Garden, April 11, Miami, Florida. (Invited).

Vendrame, W.A. 2016. Unique plants for the landscape. Duck Key Community, March 4, Duck Key, Florida. (Invited).

Vendrame, W.A. 2015. In Vitro Propagation of Pitaya. Pitaya Workshop, Miami-Dade Extension Office, April 14, Homestead, Florida. (Invited).

Vendrame, W.A. 2015. History of Orchids and Research Program at TREC. Ft. Lauderdale Orchid Society Meeting, April 13, Ft. Lauderdale, Florida. (Invited).

Vendrame, W.A. 2015. A Brief History of Orchids, Tamiami International Orchid Festival, Jan. 18, Miami, Florida. (Invited).

Vendrame, W.A. 2014. Orchid Tissue Culture and Cryopreservation. Fourth Annual Cattleya Symposium, Sunrise Orchid Society. Aug. 9, Fort Pierce, Florida. (Invited).

Vendrame, W.A. 2014. Orchid Short Course at the University of Florida, Boca Raton Orchid Society Meeting, Feb. 13, Boca Raton, Florida. (Invited).

Vendrame, W.A. 2014. Orchid History and Research at TREC-University of Florida, Tamiami International Orchid Festival, Jan. 25, Miami, Florida. (Invited).

Vendrame, W.A. 2013. Orchid History and Research at TREC-University of Florida, Tamiami International Orchid Festival, Jan. 27, Miami, Florida. (Invited).

Vendrame, W.A. 2013. Sex, Crime, Hollywood and Orchids – A Brief History of Orchids. Ocean Reef Orchid Club, Jan 11, Ocean Reef, Florida. (Invited).

Vendrame, W.A. 2012. Advances in Jatropha Research at TREC. Everglades Research and Education Center, University of Florida, Oct. 5, Belle Glade, Florida. (Invited).

Vendrame, W.A. 2012. Sex, Crime, Hollywood and Orchids – A Brief History of Orchids. Pan American Orchid Society, May 15, Miami, Florida. (Invited).

Vendrame, W.A. 2012. Advances in Jatropha Research at TREC. Tropical Research and Education Center, University of Florida, Apr. 5, Homestead, Florida. (Volunteered)

Vendrame, W.A. 2012. Orchid History and Research at TREC-University of Florida, Tamiami International Orchid Festival, Jan. 28, Miami, Florida. (Invited).

Vendrame, W.A. 2011. Jatropha as a Biofuel Plant for Florida. Florida International University

Seminar Series, Sept. 7, Miami, Florida. (Invited)

Vendrame, W.A. 2011. Orchid History and Research at TREC-University of Florida, Tamiami International Orchid Festival, Jan. 29, Miami, Florida. (Invited).

Vendrame, W.A. 2011. Micropropagation Basics. Miami-Dade College North Campus, Mar. 18, Miami, Florida. (Invited).

Vendrame, W.A. 2011. Sex, Crime, Hollywood and Orchids. Miami-Dade College North Campus, Jan. 19, Miami, Florida. (Invited).

Vendrame, W.A. 2010. Sex, Crime, Hollywood and Orchids. South Florida Orchid Society Speakers Day, Oct. 3, Miami, Florida. (Invited).

Vendrame, W.A. 2010. Orchid History and Research at TREC-University of Florida, Tamiami International Orchid Festival, Jan. 30, Miami, Florida. (Invited).

Vendrame, W.A. 2009. Orchid Research at TREC-University of Florida, 63rd Miami International Orchid Show, Feb. 28, Miami, Florida. (Invited).

Vendrame, W.A. 2009. Plant Cells and Microgravity. Seminar Series, Tropical Research and Education Center, University of Florida, Feb. 26, Homestead, Florida. (Volunteered)

Vendrame, W.A. 2009. Jatropha as Potential Biofuel Crop. Seminar Series, Tropical Research and Education Center, University of Florida, Jan. 22, Homestead, Florida. (Volunteered)

GRADUATE COMMITTEE ACTIVITIES (*****Anticipated date for completion)

Applicant's Role	**Student**	**Home Dept.**	**Complete Date**
Chair Ph.D. (3)	Vania Pereira	Environmental Horticulture	June 2023*
	Jianjian Xu	Environmental Horticulture	December 2022*
	Wenlan Tian	Environmental Horticulture	August 2014
Chair Master's (5)	Cassandre Feuille	Environmental Horticulture	August 2019

	Damaris Hernandez	Environmental Horticulture	June 2020
	Massy Sanaei	Environmental Horticulture	June 2018
	Anne Pinheiro Costa	Environmental Horticulture	June 2012
	Warren Condon	Environmental Horticulture	December 2012
	Philip Kauth	Environmental Horticulture	August 2005
Co-Chair Ph.D. (8)	Benjamin Silva	Agronomy – UENF, Brazil	December, 2020
	Caroline Machado	Agronomy – UFSE, Brazil	March, 2018
	Maria Araújo	Agronomy – UFRR, Brazil	December 2015
	Gilberto Souza	Agronomy – UNESP, Brazil	March, 2015
	Renata Gimenes	Agronomy – UNESP, Brazil	October 2013

	Renato Galdiano Jr.	Agronomy – UNESP, Brazil	October 2013
	Philip Kauth	Environmental Horticulture	December 2009
	Luciana Fogaça	Agronomy – UFPR, Brazil	December 2009
	Virginia Carvalho	Agronomy – UFV, Brazil	December 2007
Member Ph.D. (1)	Lorna Bravo	Environmental Horticulture	December 2019
	Benjamin Hughes	Environmental Horticulture	June 2017
Member Master's (7)	Joanne Korvick	Environmental Horticulture	June 2015
	Heather Hasandras	Environmental Horticulture	June 2016
	Vickie Murphy	Environmental Horticulture	December 2012
	Guillermo Salazar	Environmental Horticulture	August 2011
	Gregory Kramer	Environmental Horticulture	August 2011
	Charles Wajsbrot	Environmental Horticulture	August 2011
	David Bogardus	Environmental Horticulture	August 2009
	Miramanni Mishkin	Interdisciplinary Ecology	August 2008
	Camila Paula	Environmental Horticulture	May 2006
External Ph.D. (2)	Robert Cating	Plant Pathology	May 2010
	Kaushalya Amarasekare	Entomology and Nematology	December 2007

UNDERGRADUATE ADVISING

- Anadaisy Aguirre University of Florida, 2018
- Illeana Lopez Miami-Dade College, 2018

- Christina Jackson — Miami-Dade College, 2018
- Maryjo Valle — University of Florida, 2017
- Peter Gianelli — University of Florida, 2017
- Maryjo Valle — University of Florida, 2016
- Dayamila Valdes — Miami-Dade College, 2015
- Izadora Michelin — UFSCar, Brazil, 2015
- Naiara Lopes — UFNF, Brazil, 2015
- Damaris Hernandez — Florida International University, 2013
- Patricia M.R. Pineda — EARTH University, Costa Rica, 2005
- Alba R. Myers — Environmental Horticulture Dept., UF, 2003-2005

CREATIVE WORKS OR ACTIVITIES

- Orchidology (ORH4280) and Orchid Biology and Culture (ORH5282) online course development, including 35 videos developed using Camtasia 2, and additional videos to be used in learning activities.
- TV/Video Interview on jatropha studies performed at the International Space Station (ISS) National Laboratory, conducted during the American Astronautical Society First Annual ISS Research and Development Conference, June 26-28, 2012, Denver, CO. Videos will be produced by Mrs. Julie Robinson, ISS Program Scientist, NASA Johnson Space Center, and Mrs. Lori Meggs, ISS Media Specialist, NASA Marshall Space Flight Center. Videos will be available by the end of 2012 and will be used for future ISS products and lessons.
- UF Jatropha's YouTube channel — http://www.youtube.com/user/UFJatropha
  This series of videos was created to document the research performed at TREC on
- jatropha (*Jatropha curcas*) aiming at crop development and improvement towards the production of biofuels, namely biodiesel and bio jet fuel. The project started in 2009 and to date we have 13 videos produced, with a total of 4,391 views since July 8, 2009, and 17 subscribers to the UF Jatropha's channel. Featured Videos:
  1. Jatropha 1 – Seeds

2. Jatropha 2 – Greenhouse:
3. Jatropha 3 – Planting:
4. Jatropha 3.5 – Direct Seeding:
5. Jatropha 4 – Variety Collection Overview
6. Jatropha 5 – Characterization of Diversity in Jatropha (Dr. Silvia Nietsche)
7. Jatropha 6 – New Jatropha Planting
8. Jatropha 7 – Jatropha Plant Growth Regulators (Anne Costa, MS Student)
9. Jatropha 8 – Sludge vs. Chemical Fertilizer
10. Jatropha 9 – Seedlings vs. Cuttings
11. Jatropha 10 – Pruning Experiments
12. Jatropha 11 – Biotechnology in the Lab
13. Jatropha Space Experiments

- Video "Jatropha as a Potential Biofuel Crop" produced by Highland County Extension Office for a program entitled "Production of Traditional and Emerging Bio-fuel Crops. Web video available at: http://highlands.ifas.ufl.edu/HighlandsWebVideos/Biofuels/video51.shtml. March 5, 2009.
- ASHS Video Workshop Series: Fitzpatrick, G. E. and W. A. Vendrame. Use of the Horticultural Trade Show as a Guided Learning Experience in Undergraduate Horticulture Courses. Presented at the Teaching Methods Workshop; Annual Conference of the American Society for Horticultural Science, Las Vegas, Nevada. July 18-21, 2005.
- Creation of a narrated PowerPoint slide presentation entitled "Somatic Embryogenesis" to be used in the distance education offering of PLS 3221C – Plant Propagation. 2004 – Revised in 2012.

INTERNATIONAL ACTIVITIES

My international program have included diverse activities, including the participation in international and interdisciplinary grant proposals, numerous invited presentations at conferences and meetings, mentoring and advising visiting undergraduate/graduate students

and post-doctoral professors/researchers, meetings with collaborators, and visits to diverse sites worldwide. This program has allowed me to reach international recognition for the teaching and research work that I have been performing at the University of Florida. The impact of the program includes diverse presentations and publications on various topics. Below is a summary of such activities.

- Investigator for the USAID-AREA-Haiti Project, host of graduate student from Haiti. 2017-2019.
- Invited to deliver a talk during the ENAEXT – 15th Annual Extension Meeting of UNOESTE. Title: Opportunities and Possibilities – Models of Research, Extension and Teaching at UF. October 26, 2018. Presidente Prudente, SP, Brazil. (Invited)
- Visit with Dr. Kathia Pivetta of UNESP, Jabotical, SP, Brazil and joint visit with graduate students to Orquidário Mantovani, a local orchid grower in Brazil. October 23, 2018. (Invited)
- Invited to deliver a short course on micropropagation and bioreactors, and the opening keynote speaker talk for the III Brazilian Symposium on Orchid Cultivation (III Simpósio Brasileiro de Cultivo de Orquídeas). Londrina, PR, Brazil. March 21, 2018. (Invited)
- National Floriculture Forum – Visits to several nursery facilities (Florensis, Flora Holland, Jami CV, Pyramide Floral Center, and Wetering) in Amsterdam, the Netherlands, including a visit to the plant auction site in Aalsmeer. Visit to IPM Essen, in Germany, the world's leading trade fair in horticulture, and visit to Dummen Orange, one of the largest producers of bedding plants, cut flowers, perennials, pot plants, and succulents. January 23-30, 2016.
- Orientation Mission to Haiti as part of the USAID Trilateral Cooperation project, US- Brazil-Haiti for evaluation of sites for implementation of a plant tissue culture laboratory for food crop production in Haiti, UF-IFAS International Programs, Haiti. June 5-10, 2016.
- Visit to Instituto Federal Goiano (IFG), Rio Verde, Brazil to discuss cooperative agreement. Invited to deliver two presentations on 1) bioreactors and microgravity, and 2) cryopreservation, both to graduate students and for a symposium on biodiversity and conservation. Discussion for the establishment of an international cooperative agreement between UF and IFG.

- Host of visiting professor from Brazil, Dr. Alexandre Oliveira working on in vitro culture and cryopreservation of jatropha.
- Host of visiting researcher from Brazil, Dr. Luciana Londe working on cryopreservation of banana.
- Discussion with collaborators in various locations in Brazil for acceptance of visiting researchers and graduate students for 2017.
- Participation in the Trilateral USAID Project, Haiti-Brazil-USA on micropropagation of food crops. Second visit. Haiti, June 6-9, 2016.
- Participated at the National Floriculture Forum tour of Holland and Germany. The tour included visitation of several ornamental nurseries in Amsterdam, Holland, including the auction site in Aslmeer, and the visitation of the international plant exhibit in Essen, Germany. January 23-29, 2016
- Participation in the Trilateral USAID Project, Haiti-Brazil-USA on micropropagation of food crops. First visit. Haiti, August 24-25 , 2016.
- Invited to deliver a talk for the Brazilian Conference on Plant Tissue Culture and Floriculture. Title: Cryopreservation of Orchids. ESALQ/USP, Piracicaba, SP, Brazil. September 7-11, 2015. (Invited)
- Invited to deliver a talk for the II Brazilian Symposium on Orchid Cultivation (II Simpósio Brasileiro de Cultivo de Orquídeas). Title: Cryopreservation and Bioreactors for In Vitro Propagation of Orchids. Jaboticabal, SP, Brazil. March 3-8, 2015. (Invited)
- Invited by the UF-IFAS VP Office to be part of a team for a technical visit and assessment of agriculture practices and products in the Bahamas, The Bahamas Agriculture and Marine Sciences Institute (BAMSI), New Providence and North Andros, Bahamas, August, 2014. (Invited)
- Invited to deliver a presentation for the II Taller Panamericano de Innovación para la Producción Sustentable de Piñon (*Jatropha curcas*). Title: Advances in Jatropha Research at the University of Florida. San José, Costa Rica. March 11-13, 2014.
- Invited to deliver presentation on jatropha research at the III Brazilian Conference on Jatropha Research (III Congresso Brasileiro de Pesquisa em Pinhão-manso). Brasília,

DF, Brazil. November, 2013. (Invited)

- Invited to deliver presentation on jatropha research at the International Biofuels Symposium in Tarapoto, Peru, October 16-18, 2013. (Invited)
- Invited to deliver the opening talk for the I Brazilian Symposium on Orchid Cultivation (I Simpósio Brasileiro de Cultivo de Orquídeas). Title: Sex, Crime and Hollywood – A Brief History of Orchids. Fortaleza, CE, Brazil. March 6-9, 2013. The program is posted in Portuguese at the site: http://www.aceg.ufc.br/simbraorq/ (Invited)
- Co-PI in an international grant proposal for capacity building for collaborative bioenergy science and policy-making across the Americas, under the Pan-American Advanced Studies Institute (PASI), of the National Science Foundation. The proposal is currently pending decision. 2012. (Invited).
- Presentation delivered at the Pan-American Workshop on Sustainable Production of Jatropha (Workshop Pan Americano de Sustentabilidade nos Plantios de Pinhão-manso). Title: Jatropha Research at the University Florida. Brasília, DF, Brazil. December 1, 2011. (Invited).
- Presentation delivered at the II Brazilian Conference on Jatropha Research (II Congresso Brasileiro de Pesquisa em Pinhão-manso). Title: Advances in Jatropha Research in Florida. Brasília, DF, Brazil. November 29-30, 2011. (Invited).
- Presentation delivered at the International Conference on Jatropha (Seminário Internacional Jatropha Colombia). Title: Advances in Jatropha Research in Florida. Villavicencio, Colombia, October 19-21, 2011. (Invited).
- Advisor and host of several international PhD graduate students; invited to serve in graduate committee as co-advisor:

  - Ms. Suzana Pereira, of the Universidade Estadual Paulista (UNESP), currently working on cryopreservation of orchid seeds and protocorms. 2018- 2019.
  - Ms. Bárbara Nogueira, of the Universidade Federal de Lavras, working on micropropagation of banana using bioreactors. 2017-2018.
  - Ms. Caroline Machado, of the Universidade Federal de Sergipe, working on micropropagation of coconut using bioreactors. 2017.
  - Ms. Maria Araújo, of the Universidade Federal de Roraima (UFRR),

working on in vitro propagation of camu-camu, a medicinal plant of the Amazon. 2015.

- Ms. Dalilhia Santos, of the Universidade Federal de Lavras (UFL), working on the use of molecular markers for the genetic characterization of jatropha accessions from Brazil and the United States. 2012.
- Mr. Renato Galdiano, of the Universidade Estadual Paulista (UNESP), currently working on two orchid projects: cryopreservation of orchid seeds and protocorms, and induction of polyploidy in orchids. 2011- 2012.
- Ms. Luciana Fogaça, of Universidade Federal do Paraná (UFPR), who worked on the assessment of genetic relationships among selected Hemerocallis hybrids. 2008-2009.
- Ms. Virginia Carvalho, of Universidade Federal de Viçosa (UFV), who worked on cryopreservation of orchid seeds and pollen, and clonal propagation of orchids. 2005- 2006.

- Advisor and host of several international post-doctoral researchers and/or professors:

  - Dr. Ruidong Jia, researcher from the Chinese Academy of Agriculture Science, China. Project: Micropropagation and cryopreservation of orchids. 2018-2019.
  - Dr. Edvan Chagas and Dr. Pollyana Chagas, researchers from EMBRAPA Roraima and Universidade Federal de Roraima, Brazil. Project: Micropropagation of caçari, a medicinal plant from the Amazon. 2017-2018.
  - Dr. Aurélio Neto, researcher from Instituto Federal Goiano (IFG), Rio Verde, GO, Brazil. Project: Micropropagation of sugarcane using bioreactors. 2017-2018.
  - Dr. Luciana Londe, researcher from EPAMIG, Janaúba, MG, Brazil. Project: Cyropreservation of banana in vitro shoots, 2016-2017.
  - Dr. Alexandre Oliveira, professor from Universidade Federal do Ceará, Fortaleza, CE, Brazil. Project: Cryopreservation and In Vitro Propagation of jatropha, 2016-2017.
  - Dr. Roberto Jun Takane, professor from Universidade Federal do Ceará, Fortaleza, CE, Brazil. Project: Cryopreservation and In Vitro Propagation of Orchids, 2015-2016.
  - Dr. Silvia Nietsche, professor from Universidade Estadual de Montes

Claros (Unimontes), Montes Claros, MG, Brazil. Project: Characterization of jatropha accessions, 2011-2012.

- Dr. Edson Leite, researcher from EMBRAPA, Cenargen, DF, Brazil. Project: Seed germination and reproductive characteristics of jatropha accessions, 2009-2010.
- Dr. Ricardo Tadeu Faria, professor from Universidade Estadual de Londrina (UEL), Londrina, Paraná, Brazil. Project: Utilization of phloroglucinol as a cryoprotectant for cryopreservation of Dendrobium orchid species. 2008-2009.
- Dr. Vanda Toth, professor from Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, Brazil. Project: Cryopreservation of orchids using natural products. 2008-2009.

- Investigator in the project Food Security Trilateral Cooperation (Brazil-Mozambique- United States), funded by USAID and with participation of IFAS International Center, 2011-2014. (Invited).

- Lectures and seminars presented to faculty and students of Unimontes, Montes Claros, MG, Brazil. October 5-7, 2010. (Invited).

- Visit to jatropha commercial growers in Janauba, MG, Brazil, and Petrobras Biodiesel facilities in Montes Claros, MG, Brazil organized by Unimontes for the development of cooperative research. October 3-5, 2010. (Invited).

- UF meeting with cooperating institutions; EARTH University (Costa Rica) and Zamorano University (Honduras) to prepare joint proposal for biofuel crop germplasm, production systems, environmental impact, and education in Florida and Central America; Costa Rica. September 28-30, 2010. (Invited).

- Presentation delivered at the Renewable Energy Meeting and site visits for energy ministers from Central America and the Caribbean, organized by the Organization of American States, US Dept. of State, and Brazil's Ministry of External Relations; Miami. August 25-26, 2010. (Invited).

- Presentation on Advances of Research in *Jatropha curcas* at TREC-UF, delivered

at Zamorano University for the International Conference on Biofuel Crop Production and Development; Honduras. August 23-25, 2010. (Invited).

- Member of the host committee for the Global Agronomic Summit to discuss advancements and Center for Green Energy development of sustainable biofuel crops, San Jose, Costa Rica. June 6-10, 2010. (Invited).

- Visit to Enhanced Biofuels Technology of India, a company involved with Jatropha research and interested in collaboration with UF, Coimbatore, India. May 2-5, 2010. (Invited).

- Meeting with representatives of Biodiesel of Andalusia (BIDA) and Vecenergy to learn about the recycling oil program in Sevilla, Spain. April 29 –May 1, 2010. (Invited).

- Investigator in the Watershed Initiative for Natural Environmental Resources (WINNER) funded by the USAID with collaboration of IFAS International Center. The project aims at implementing biofuel projects to contribute to the economic development and improved water and land use in target watersheds in Haiti, 2010 – 2013. (Invited).

- Meeting with Israeli Consul and representatives at the Israeli Consulate (Miami) – potential collaboration with Israel on biofuel research. October 29, 2009. (Invited).

- Brazil-USA Higher Education Network on Biofuels - Fulbright Commission and IFAS International Office. The meeting aimed at discussing strategies for the development and advances in biofuel research involving a bilateral collaboration and student exchange program between Brazil and the US. February 20-23, 2009. (Invited).

- Host for visitors from Costa Rica, Venezuela and Canary Islands for discussion on orchid research and collaboration efforts. January 20-26, 2008.

- Host for visitors from the FACT Foundation (Fuels from Agriculture in

Communal Technology), Holland for discussion regarding Jatropha research and collaboration. October 10, 2008.

- Presentation delivered at the International Conference on Research and Educational Opportunities in Biofuel Crop Production. Presentation title: *Jatropha curcas* for Biofuel Production. EARTH University, Costa Rica. November 17-19, 2008. (Invited).

- Seminars presented at the Special Topics in Technological Advances for Orchid Production Workshop. Presentation titles: A Brief History of Orchids; Orchid Production in Florida; Thinking Outside the Box – Jatropha and Space Research. UNESP (Universidade Estadual de São Paulo), Jaboticabal, SP, Brazil. December 15- 19, 2008. (Invited).

- International visit to several nurseries and research stations in Holland, and a Plant Trade Show in Essen, Germany. The visit was organized by the National Floriculture Forum, January 21-27, 2007.

- Presentations delivered at a workshop on tropical fruits and ornamentals in Mexico; Diplomado Internacional de Frutas y Ornamentales del Trópico. Presentations delivered on the cultivation of ornamental plants, including orchid production in Florida. Visits to several nurseries and locations related to ornamental plant production. Tapachula, Chiapas, Mexico. April 22-29, 2007. (Invited).

- Host for international visitor Dr. Kathia Pivetta, a professor from Universidade Estadual Paulista (UNESP), Jaboticabal, Brazil. Places visited included: Fairchild Tropical Botanic Garden, Montgomery Botanic Center, Kerry's Bromeliads, R.F. Orchids, Everglades National Park, and TREC. This was part of cooperation and collaboration efforts for research and teaching. 2007.

- Participation at the Annual Meeting of the InterAmerican Society for Tropical Horticulture (ISTH) in San Juan, Puerto Rico. September 23-28, 2006.

- Guest lecturer at the Plant Sciences Dept.; Universidade Federal de Viçosa,

- Minas Gerais, Brazil. Lectures delivered on orchid history and production. January 30 – February 1, 2006. (Invited).

- South Africa Reverse Floriculture Mission; Florida Department of Agriculture and Consumer Services (FDACS) and Southern United States Trade Association (SUSTA). Co-host of visitors/growers from South Africa to reverse trade mission in South Florida, including visits to local growers, Fairchild Tropical Botanic Garden, the Tropical Plant Industry Exhibit (TPIE), and TREC. This was a follow up to the South Africa Trade Mission organized by FDACS and SUSTA in 2005 (see below). January 15-22, 2006. (Invited).

- South Africa Floriculture Mission; Florida Department of Agriculture and Consumer Services (FDACS) and Southern United States Trade Association (SUSTA). Invited as orchid expert to visit several ornamental and orchid growers in Johannesburg, Cape Town, and Nelspruit, South Africa for assessment of trading potential with the State of Florida ornamental industry. Briefing at the U.S. Embassy in Pretoria. August 12-23, 2005. (Invited).

- Member-at-large and section editor for meeting proceedings of the InterAmerican Society for Tropical Horticulture (ISTH). Formal invitation and announcement at the Annual Meeting of the Interamerican Society for Tropical Horticulture in Santo Domingo, Dominican Republic. October 9-14, 2005. (Invited).

EXTENSION PROGRAMS

Although I do not have a formal Extension appointment, I have established an active relationship with extension agents and have performed several activities in support of the Extension Program at IFAS/UF:

- Publication of extension paper on pollination of orchids in collaboration with graduate student: Ray, H., W. Vendrame. 2015. Orchid pollination biology. Electronic Data Information Source, Environmental Horticulture Department, UF/IFAS Extension, ENH1260

- Video production on jatropha studies performed at the International Space Station (ISS) National Laboratory to be used for future ISS products and lessons. Video was produced during the American Astronautical Society First Annual ISS Research and Development Conference, June 26-28, 2012, Denver, CO.

- UF Jatropha's YouTube channel — http://www.youtube.com/user/UFJatropha. A series of 13 videos produced to document jatropha research at TREC in Homestead. The project had had a total of 4,391 views since July 8, 2009, reaching a broad audience nation and worldwide, including 17 subscribers to the channel. 2009-Present.

- Educational program on orchid biology and production delivered during the 2011 Orchid Festival at Fairchild Tropical Garden. Speakers included colleagues at UF-IFAS with extension appointments. Audience: 35 attendants, mostly homeowners. March 11- 12, 2011.

- Review of EDIS (Extension Delivery Information Source) publications for colleagues at UF-IFAS. 2011.

- Presentation delivered on jatropha research at the Bioenergy Biofuel Group at the Everglades Research and Education Center. August 2, 2011.

- Presentation delivered on jatropha as a potential biofuel crop to Highland County Extension Office Program entitled "Production of Traditional and Emerging Bio-fuel Crops. Web video available at: http://highlands.ifas.ufl.edu/HighlandsWebVideos/Biofuels/video51.shtml. March 5, 2009.

- Educational seminars on the principles of landscape design presented as part of the Horticulture Certificate Program in Horticulture at the Miami-Dade County Cooperative Extension Service, Homestead. Program Title: Efficient Environment Landscape Management for Professionals. Audience: 50 attendants (growers, homeowners, landscape maintenance and installation personnel, master gardeners, county/city/parks employees, garden center employees, others). March 6, 2007.

- Educational seminars on residential landscape design presented as part of the Horticulture Certificate Program in Horticulture at the Miami-Dade County Cooperative Extension Service, Homestead. Program Title: Efficient Environment Landscape Management for Professionals. Audience: 60 attendants (growers, homeowners, landscape maintenance and installation personnel, master gardeners, county/city/parks employees, garden center employees, others). March 14, 2006.

- Educational seminar presented on potential use of tissue culture techniques for flowering tree research. Tropical Flowering Tree Society Meeting, Fairchild Tropical Botanic Garden, Miami. Audience: 45 attendants (homeowners, growers, flowering tree enthusiasts). February 13, 2006.

- Multiple visits to, as well as hosting visits from local and state growers to discuss ornamental and biofuel production issues, and to provide guidance on production and propagation techniques. 2002-Present.
- Member, Ornamental Advisory Committee, University of Florida; Miami-Dade County Cooperative Extension Service. 2003-2007.

SERVICE TO SCHOOLS

- Mentor of high school student from New York for summer internship program in my laboratory:
  - Alex Delafontaine – Blind Brook High School, Rye Brook, NY. 2015.
  - Alex Delafontaine – Blind Brook High School, Rye Brook, NY. 2014.

- Mentor of several intern high school students from Miami-Dade County working on different projects in my laboratory:
- Katrina Bobson – Westminster Christian School, Miami, FL, 2018.
- Katrina Bobson – Westminster Christian School, Miami, FL, 2017.
- Caleb Isenberg – Christopher Columbus High School, Miami, FL. 2012.
- Zach Marti – Christopher Columbus High School, Miami, FL. 2012.
- Albert Diaz – Braddock Senior High School, Miami, FL. 2012.
- Damaris Hernandez – Coral Reef Senior High School. (Currently enrolled at FIU). 2010.
- John Sciana – Killian Senior High School, Miami, FL. (Currently enrolled at UF). 2009.

- Robert Nielsen – South Dade Senior High School, Homestead, FL. 2004.
- Alejandro Carranza – South Dade Senior High School, Homestead, FL. 2004.

- A series of seminars delivered to high school students at Killian Senior High School on the potential of jatropha for biofuel production. 2009.

- Member, Agribusiness and Natural Resources Education Advisory Committee; Miami- Dade County Public Schools, Division of Applied Technology Education. 2005- Present.

- Member, Dade County Agri-Council, Inc. Fellowship and Scholarship Committee. 2004-Present.

- Landscaping Judge, 2006 Area IV Horticulture Demonstration Competitions, Miami, FL. 2006.

- Landscape Design Judge, Landscape Design and Construction, Miami-Dade County Fair & Exposition, Miami, FL. 2006.

MEMBERSHIP AND ACTIVITIES IN THE PROFESSION

MEMBERSHIPS

International

- Society for In Vitro Biology (2005-present).
- International Plant Propagator's Society (2004-2006).
- International Society for Tropical Horticulture (2003-2006).
- International Association of Plant Tissue Culture & Biotechnology (2001-2003).

National

- Americans Association for the Advancement of Science-AAAS (2017-present).
- American Society for Horticultural Science-ASHS (1994-present).
- North American Colleges and Teachers of Agriculture-NACTA (2003-present).
- American Astronautical Society-AAS (2011-2014).
- American Orchid Society-AOS (2001-2008).

Regional

- Plant Biologists of South Florida-PBSF (2002-present).

State

- Florida State Horticultural Society-FSHS (2004-present).
- Florida Nurserymen, Growers, and Landscape Association-FNGLA (2001-2020).

ACTIVITIES IN THE PROFESSION

International

- Editorial Board member for the journal Crop Breeding and Applied Biotechnology of the Brazilian Association of Plant Breeding (2012 - present).
- Member-at-Large and Ornamental Section Editor: InterAmerican Society for Tropical Horticulture (2005-2006).
- Reviewer of manuscripts for several journals in the areas of biotechnology, cryopreservation and general plant sciences

National

- ASHS Cross-Commodity Publication Award Committee (2019-2022).
- Chair: Ornamental Plant Breeding Working Group, ASHS. (2014-2016).
- Organizer: Rose Rosette Disease Workshop. ASHS Annual Conference. August 9, 2016.
- Chair: Bioenergy Crops Working Group, ASHS. (2011-2015).
- Moderator: Plant Biotechnology and Genomics Session. ASHS Annual Conference. September 25, 2011.
- Chair: Nursery Crops Working Group, ASHS. (2006-2007).
- Moderator: Novel Nursery Production Techniques Workshop. ASHS Annual Conference, July 29, 2006.
- Chair-Elect: Nursery Crops Working Group, ASHS. (2004-2006).
- Secretary: Nursery Crops Working Group, ASHS. (2002-2004).
- Member: Floriculture Working Group, ASHS. (2002-present).
- Member: Floriculture Education Working Group, ASHS. (2002-present).
- Member: Teaching Methods Working Group, ASHS. (2002-present).
- Reviewer of manuscripts for several journals in the areas of biotechnology, cryopreservation and general plant sciences

- Reviewer of proposals for the Horticultural Research Institute (HRI)
- Reviewer of proposals for NASA

State

- FSHS Sectional Vice-President for the Ornamental, Garden & Landscape Section (2020-2021).

Local

- FNGLA Board Member. (2018-2020).
- Organizer: Orchid Short Course – Florida International University. October 6-8, 2016.
- Organizer: Orchid Short Course – Fairchild Tropical Garden. March 11- 12, 2011.
- Guest speaker for several local orchid societies (2005-present):
  - Deerfield Beach Orchid Society
  - Gold Coast Orchid Society
  - Pan American Orchid Society
  - Boca Raton Orchid Society
  - South Florida Orchid Society
  - East Everglades Orchid Society
  - Coral Gables Orchid Society

UNIVERSITY GORVERNANCE AND SERVICE

- UF Faculty Senate
- UF IFAS Faculty Assembly
- UF IFAS Dean for Research Advisory Committee (DRAC) Board member
- EDIS Departmental Coordinator
- Academic Programs Committee – Environmental Horticulture Dept.
- Center Director Advisory committee – TREC
- Computer committee – TREC
- Landscape committee –TREC
- Interior Space Allocation Committee – TREC

HONORS AND AWARDS

International

- Educational Exhibit Second Place Award, "Orchid Research at TREC – University of Florida", 63rd Miami International Orchid Show, Miami, Florida. Feb. 27- Mar. 1, 2009.

National

- NACTA Educator of the Year 2019. North American Colleges and Teachers of Agriculture (NACTA).
- SIVB Service Award 2019. Society for In Vitro Biology (SIVB).
- Invited by NASA to be 1 of 5 selected scientists to participate and deliver a presentation for the International Space Station Science Briefing at the Kennedy Space Center prior to the launch of the Space Shuttle Endeavour, STS-130. The briefing was broadcast live via NASA TV. February 5, 2010.

State

- Best Paper Award, Krome Memorial Institute 2010, "Preliminary Field Evaluation of Jatropha (*Jatropha curcas* L.) under South Florida Environmental Conditions", by J.H. Crane, W.A. Vendrame, W. Montas, A. Pinares, and E.A. Evans presented by the Florida State Horticultural Society at the Annual Meeting, June 5, 2011.

- Florida State Horticultural Society Presidential Gold Medal Award, Florida State Horticultural Society, Florida. Awarded to an individual who has contributed the most to Florida horticulture through work published in the proceedings during the preceding time period since the given section was last eligible (5 Years). 2003-2007: Ornamental, Garden, and Landscape Section. June, 2008.

Local

- UF Roche Teaching Scholar – 2020.
- UF Term Professorship – 2018-2019 through 2020-2021: This is a 3-year professorship given to recognize and reward faculty achievements at UF.

- UF Student Senate, Student Body Resolution 2010-124: "A Resolution Honoring the University of Florida Horticulture Research Center in

Homestead", for work performed in microgravity with *Jatropha curcas*. Gainesville, Florida. March 24, 2010.

- Bronze Image Award, IFAS Communications Services (ICS), University of Florida. For superior achievement in Website Design; "Orchid Photo Library" (http://trec.ifas.ufl.edu/orchids/photo_library/index_A.shtml). 2006.

- Gold Image Award, IFAS Communications Services (ICS), University of Florida. For outstanding achievement in Marketing and Communications Website Category; "Orchidology ORH 4280" (http://trec.ifas.ufl.edu/orchids/). 2006.

- Silver Image Award, IFAS Communications Services (ICS), University of Florida. For significant achievement in Marketing and Communications Web- Based products; "Palm Production and Culture Website" (http://trec.ifas.ufl.edu/palms/). 2004.

- Gold Image Award, IFAS Communications Services (ICS), University of Florida. For outstanding achievement in Marketing and Communications Electronic Website; "Environmental Horticulture Statewide Communications (http://trec.ifas.ufl.edu/VendrameW/Toronto/index.htm). 2003. (Note: Site removed in 2005).

- Ethyl Knapp Memorial Scholarship (US$ 500.00); Coral Gables Orchid Society. Awarded to Mr. Philip J. Kauth, M.S. graduate student. 2003.

Other

- Member of Science Advisory Board for Zero Gravity Solutions, Inc., a provider of commercial space services in Boca Raton, Florida. 2013.

- Invited by Spacehab, Inc. to serve in the Advisory Council on Science and Microgravity. Spacehab was a provider of commercial space services in Cape Canaveral, Florida. The scope of the council's activities was primarily related to advising Spacehab in the identification and selection of high priority science targets that present the most favorable conditions – including the maturity of the science, the potential market value, as well as a 'quality of life' value to the general public – for

immediate development in the microgravity environment of the ISS National Lab. 2008. (Note: Spacehab, Inc. was converted to Astrotech Corporation, now the parent company of Astrogenetix, a company focusing on commercial biotechnology in microgravity).

LEADERSHIP PROGRAMS

- Nominated Assistant Chair in the Department of Environmental Horticulture – Assist with leadership in the department through departmental representation at meetings and functions when the chair is unable to attend; EDIS departmental coordination; advisory role supporting the chair; and other administrative activities.

- POLA – 2020 – Preparing Organizational Leaders in Agriculture – Preparing organizational leaders in agriculture through innovative leadership case studies contextualized in agricultural disasters. USDA/NIFA Higher Education Challenge Grant, Agricultural Education and Communication, University of Florida, 2019-2020.

- LEAD21/Class 13 – 2017/2018 – LEAD21 – Leadership Development for the 21st Century: Linking Research, Academics, and Extension has the purpose of developing leaders in land grand institutions and their strategic partners. This is a twelve-month development program with three sessions; June 18-23, 2017; October 2-5, 2017; and February 19-22, 2018.

- LEAD IFAS – 2016/2017 – A premier program for developing current and future members of IFAS administrative team. The LEAD IFAS (Leadership Enhancement and Administrative Development) program was initiated in 2000 as a proactive strategy for (1) assisting recently appointed IFAs administrators in executing their leadership and administrative responsibilities and (2) encouraging other faculty and staff to explore and prepare for future administrative and leadership roles. The program was comprised of three sessions; March 21-23, 2016; October 19-21, 2016; and March 20-22, 2017.