

**Orville C. Baldos**  
**College of Tropical Agriculture and Human Resources**  
**Department of Tropical Plant and Soil Sciences**  
FTE Distribution: 45% I; 55% R; 0% E

**Education**

<u>Degree</u>	<u>University</u>	<u>Major</u>
PhD	University of Hawaii at Manoa	Horticulture/Seed Science
MS	University of Hawaii at Manoa	Horticulture/Weed Science
BS	University of the Philippines Los Baños	Horticulture (Landscaping)

**Professional Appointments**

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Assistant Professor	University of Hawaii	2015 to 2022
Associate Professor	University of Hawaii	2022 to present

**Courses Taught**

<u>Course Number and Title (credits)</u>	
TPSS 120E	Plants for People: Ornamental Plants (1)
TPSS 364	Horticulture: Theory and Practice (3)
TPSS 420	Plant Propagation (3)
TPSS 421	Tropical Seed Science (3)
TPSS 491	Experimental Topics (Floriculture Arts) (2)
TPSS 667	Graduate Seminar (1) (Fall 2023)

**Publications (reverse chronological order)**

Refereed Publications

Baldos, O.C. & C.H. Wong. 2025. Propagation protocol for Maui peperomia (*Peperomia mauiensis*) using whole leaf cuttings. Native Plants Journal XX(X):XX-XX

Baldos, O.C. & P.V.L. De Matos. 2024. *Peperomia sandwicensis* 'Ekahanui': a new native Hawaiian peperomia selection for indoor use. HortScience 59(11):1650-1652. <https://doi.org/10.21273/HORTSCI18131-24>

Baldos, O.C. & D.K.S. Antesco. 2022. *Jacquemontia sandwicensis* 'Leeward Community College White', a versatile groundcover and hanging basket plant. HortScience 57(1):22-23. <https://doi.org/10.21273/HORTSCI16170-21>

Baldos, O.C. & A.K. Corpuz. 2021. *Peperomia sandwicensis* 'Palikea': a small, native Hawaiian plant for compact indoor spaces. HortScience 56(10):1299-1300. <https://doi.org/10.21273/HORTSCI16099-21>

Baldos, O.C. & A.K. Corpuz. 2021. Propagation protocol for weakstem peperomia (*Peperomia cookiana*) and Oahu peperomia (*Peperomia oahuensis*) using whole leaf cuttings. Native Plants Journal 22(2):157-161. <https://doi.org/10.3368/npj.22.2.157>

Baldos, O.C., Sherill, T. & D.K.S. Antesco. 2021. *Jacquemontia sandwicensis* 'Puhala Bay': A compact Maui island selection of pā'uohi'iaka with gray-green wavy leaves. HortScience 56(5):621-622. <https://doi.org/10.21273/HORTSCI15761-21>

Baldos, O.C., Antesco, D.K., Corpuz, A. & C. Wong. 2020. Collection, selection and evaluation of native Hawaiian plants for landscape and indoor uses. IX International Symposium on New Ornamental Crops 1288: 17-20. <https://doi.org/10.17660/ActaHortic.2020.1288.3>

Antesco, D.K.S. & O.C. Baldos. 2020. Morphological characterization and identification of *Jacquemontia sandwicensis* A. Gray (Pa'uohi'iaka) accessions for hanging basket use. Genetic Resources and Crop Evolution.

<https://doi.org/10.1007/s10722-020-00951-2>

Baldos, O.C. & A.K. Corpuz. 2019. Propagation of arid land peperomia (*Peperomia blanda* var. *floribunda*) via leaf cuttings. *Native Plants Journal* 20(1):25-30. <https://doi.org/10.3368/npj.20.1.25>

Lukas, S.B., DeFrank, J., Baldos, O.C. & R. Qin. 2019. Weed control and the response of transplanted uhaloa in the presence of two pre-emergence herbicides applied at the time of planting. *Journal of Applied Horticulture* 21(2): 106-110. <https://doi.org/10.37855/jah.2019.v21i02.18>

Lukas, S.B., DeFrank, J., Baldos O.C. & R. Qin. 2019. Torrid panicgrass dormancy relief through exogenous chemical treatments and seed storage optimization of temperature and relative humidity parameters. *HortTechnology* 29(2):199-204. <https://doi.org/10.21273/HORTTECH04248-18>

Lukas, S.B., DeFrank, J. & O.C. Baldos. 2018. Optimization of *Waltheria indica* seed yield using a visual evaluation scale of seed head cluster maturity. *Seed Technology* 39(1):63-69. <http://www.jstor.org/stable/45135872>

Baldos O.C., DeFrank J. & S.B. Lukas. 2017. Evaluation of 3 hydromulch planting techniques for establishing *Fimbristylis cymosa* (mau'u 'aki'aki), a native Hawaiian coastal sedge with roadside revegetation and landscape ground cover potential. *Native Plants Journal* 18(1):20-31. <https://doi.org/10.3368/npj.18.1.20>

Lukas, S.B., DeFrank, J. & O.C. Baldos. 2016. Optimization of *Waltheria indica* seed dormancy relief treatments and seed storage parameters. *HortScience* 51(9):1184-1187. <https://doi.org/10.21273/HORTSCI10720-16>

Lukas, S.B., DeFrank, J. & O.C. Baldos. 2016. Determination of optimal seed harvest timing for *Panicum torridum* based on growing degree day heat unit accumulation. *Seed Technology Journal* 37(2):151-159. <https://www.jstor.org/stable/26625402>

#### Extension Publications

Lutgen, H., Baldos, O.C., Waisen, P & J. DeFrank. 2024. Evaluation of physical barriers to suppress purple nutsedge (*Cyperus rotundus*) in landscape beds in Maui, Hawai'i. College of Tropical Agriculture and Human Resources Cooperative Extension Publications, University of Hawaii at Manoa. [[Extension Publication](#)]

Baldos, O.C., Kawabata, A. & Lichty Imamura, J. 2019. Commercial use of native Hawaiian plants: Laws and requirements for the propagation and sale of threatened and endangered (T&E) Hawaiian plant species. College of Tropical Agriculture and Human Resources Cooperative Extension Publications, University of Hawaii at Manoa. [[Extension Publication](#)]

Baldos, O.C., Kawabata, A. & Lichty Imamura, J. 2016. Commercial use of native Hawaiian plants: Laws and requirements for the propagation and sale of threatened and endangered (T&E) Hawaiian plant species. College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa [Poster and brochure].

#### Creative Works (i.e., Extension Videos, Websites, Blogs, Creative Designs and Exhibitions, Magazine Articles, etc.)

Watanabe, L. and O.C. Baldos\*. Improved germination protocol for Oahu sedge (*Carex wahuensis* subsp. *wahuensis*) (poster presentation). April 14, 2025. 2025. O'ahu Weed Control and Restoration Workshop, Pearl Country Club, Aiea, Hawaii, USA

Baldos, O.C. Native Hawaiian ornamentals research updates. Hawaii Floriculture and Nursery Association Grower's Import Replacement Educational Research Seminar (webinar). October 18, 2024. UH-CTAHR Komohana Research & Extension Center, Hilo, HI, USA

Baldos, O.C. New variegated native plant selections for landscapes: variegated naupaka and O'ahu sedge. Hawaii Landscape Newsletter ([link](#)). Landscape Industry Council of Hawaii.

Baldos, O.C. Breeder's & Growers' Forum. Hawaii Floriculture and Nursery Association Webinar 2023: Spirit of

Hawaii Neotropica ([webinar](#)). November 9, 2023. UH-CTAHR Komohana Research & Extension Center, Hilo, HI, USA

Baldos, O.C. Updates on native Hawaiian ornamentals research. Hawaii Floriculture and Nursery Association Grower's Import Replacement Educational Research Seminar (webinar). October 26, 2023. UH-CTAHR Komohana Research & Extension Center, Hilo, HI, USA

Baldos, O.C. Planting, design and establishment of native ornamental landscapes. Native Plant Connection: To Grow, Inform and Advance the Industry ([webinar](#)), June 21, 2023

Baldos, O.C. Invited lectures on ornamentals (History and Origins of Ornamental Plants, The Sustainable Ornamental Lab). Hawaii Statewide Master Gardener Program ([virtual lecture via Zoom](#)), March 3, 2023

Baldos, O.C. 2022. *Jacquemontia sandwicensis* 'Leeward Community College White', an Oahu selection of pa'uohi'iaka for hanging baskets and landscapes ([link](#)). Hawaii Landscape Magazine. Landscape Industry Council of Hawaii.

Baldos, O.C. 2022. *Peperomia sandwicensis* 'Palikea', a native indoor plant selection for tabletops and office desks. Hawaii Landscape Magazine ([link](#)). Landscape Industry Council of Hawaii.

Baldos, O.C. Breeder's & Growers' Forum LIVE. Hawaii Floriculture and Nursery Association Wedding Celebrations 2022. October 6 (in-person) and November 5 ([webinar](#)) 2022. UH-CTAHR Komohana Research & Extension Center, Hilo, HI, USA

Baldos, O.C. Updates on native Hawaiian ornamentals research. Hawaii Floriculture and Nursery Association Grower's Import Replacement Educational Research Seminar ([live](#)). September 16, 2022. UH-CTAHR Komohana Research & Extension Center, Hilo, HI, USA

Baldos, O.C. Native Plants for Sustainable Landscapes: Research on the Ornamental Use of Native Plants in Hawaii. Native Plant Species and Traditional Food/Medicines R&E Seminar Series. Benguet State University Horticulture Research and Training Institute (HORTI). April 26, 2022. Everlasting Hall, Research and Extension Building, Benguet State University, La Trinidad, Benguet, Philippines ([invited talk via Zoom](#))

Baldos, O.C. Invited lectures on ornamentals (History and origins of ornamental plants, The sustainable ornamental lab). Hawaii Statewide Master Gardener Program ([virtual lecture via Zoom](#)), March 4, 2022

Baldos, O.C. Breeder's & Growers' Forum LIVE. Hawaii Floriculture and Nursery Association How to Say 'I Do' with Hawaiian Flowers & Foliage Webinar & Trade Show. November 19, 2021. UH-CTAHR Komohana Research & Extension Center, Hilo, HI, USA (invited talk via Zoom)

Amore, T.D. & O.C. Baldos. UH CTAHR's Magoon Research Center. Hawaii Floriculture and Nursery Association How to Say 'I Do' with Hawaiian Flowers & Foliage Webinar & Trade Show. November 19, 2021. UH-CTAHR Komohana Research & Extension Center, Hilo, HI, USA ([invited talk via Zoom](#))

Baldos, O.C. Updates of native Hawaiian ornamentals research. Hawaii Floriculture and Nursery Association Grower's Import Replacement Educational Research Seminar. September 29, 2021. UH-CTAHR Komohana Research & Extension Center, Hilo, HI, USA ([invited talk via Zoom](#))

Baldos, O.C. 2021. *Jacquemontia sandwicensis* 'Puhala Bay', a unique selection of pā'uohi'iaka from Maui for hanging baskets and landscapes. Hawaii Landscape Magazine ([link](#)). Landscape Industry Council of Hawaii.

Amore, T.D., Baldos, O.C. & CTAHR Academic and Student Affairs Office. Magoon Research Station and Pope Laboratory Greenhouses. College of Tropical Agriculture and Human Resources. June 29, 2021. ([YouTube video](#)).

Baldos, O.C. Invited lectures on ornamentals (Common ornamentals in Hawaii, History and origins of ornamental plants, Mussaenda: an underutilized non-invasive ornamental plant for containers and landscape, The sustainable

ornamental lab). Hawaii Statewide Master Gardener Program ([virtual lecture via Zoom](#)), April 9, 2021

Baldos, O.C. Rules and regulations on commercial use of endangered native Hawaiian plants. Landscape Industry Council of Hawaii Hawaiiscape Webinar Series. December 14, 2020 ([invited talk on Zoom](#)).

Baldos, O.C. Propagation and care of Hawaii's native *Peperomia*. Maui Association of Landscape Professionals Arbor Day Webinar. November 6, 2020 ([invited talk on FaceBook live/Zoom](#))

Baldos, O.C. Updates of native Hawaiian ornamentals research. Hawaii Floriculture and Nursery Association Grower's Import Replacement Educational Research Seminar. October 30, 2020, USDA Agricultural Research Service Daniel K. Inouye US Pacific Basin Agricultural Research Center Conference Room, Hilo, Hawaii, USA ([invited talk on Zoom](#))

Baldos, O.C. Native plant updates. January 23, 2020. Pearl City Urban Garden Center, Pearl City, Honolulu, Hawaii, USA (invited talk).

Baldos, O.C. Updates of native Hawaiian ornamentals research. Hawaii Floriculture and Nursery Association Grower's Import Replacement Educational Research Seminar. October 18, 2019, USDA Agricultural Research Service Daniel K. Inouye US Pacific Basin Agricultural Research Center Conference Room, Hilo, Hawaii, USA ([invited talk](#))

Baldos, O.C. Native *Peperomia* species for indoor use. Big Island Association of Nurserymen (BIAN) New Variety Seminar. June 30, 2019, Keaau Community Center, Keaau, Hawaii, USA (invited talk)

Baldos, O.C. The Sustainable Ornamental Horticulture Lab at UH Manoa. Kauai Landscape Industry Council (KLIC) Meeting. June 20, 2019, Kauai Nursery, Lihue, Hawaii, USA (invited talk)

Baldos, O.C. Priority ONE (Oahu Native Ecosystems) Restoration Workshop Guidelines for Native Seed Production. April 4, 2019, Aloha Stadium Hospitality Room, Honolulu, Hawaii, USA (invited talk)

Baldos, O.C. Virtual field trip to Tree of Life Nursery and updates on Hawaii native ornamentals research. Hawaii Floriculture and Nursery Association Educational Grower's Import Replacement Educational Research Seminar. October 12, 2018, USDA Agricultural Research Service Daniel K. Inouye US Pacific Basin Agricultural Research Center Conference Room, Hilo, Hawaii, USA ([invited talk](#))

Baldos, O.C., Corpuz, A.K. and D.K.S. Antesco. Leaf propagation and indoor light tolerance of four native Hawaiian *Peperomia* species. Lyon Arboretum Centennial Symposium. September 13, 2018, Imin International Conference Center, Honolulu, Hawaii, USA (invited talk)

Baldos, O.C., Corpuz, A.K. and D.K.S. Antesco. Developing propagation protocols for native Hawaiian plants with potential landscape and indoor uses. International Plant Propagators Society Western Region Annual Meeting: The Pacific Rim Conference. August 1, 2018, Courtyard King Kamehameha's Kona Beach Hotel, Kona, Hawaii, USA (invited talk)

Baldos, O.C., Kroessig, T. and J. Cacal. Storage temperature and humidity affects long term germination and viability of pili grass (*Heteropogon contortus*) seeds. Hawaii Native Seed Conference. May 16, 2018, University of Hawaii at Manoa, Honolulu, Hawaii, USA. (invited talk)

Baldos, O.C. Native Hawaiian plants to increase Hawaii's agricultural production (invited talk delivered remotely via Zoom from the LICH Conference). Hawaii Floriculture and Nursery Association Educational Grower's Import Replacement Seminar. October 5, 2017, USDA PBARC Conference Room, Hilo, Hawaii, USA ([invited talk](#))

Baldos, O.C. 2017. Native Hawaiian plants for landscape and interior use. Hawaii Landscape Magazine. Landscape Industry Council of Hawaii.

Baldos, O.C. Native Hawaiian plants for floriculture and landscape use (invited talk). Waimanalo Agricultural

Association Meeting. November 10, 2016, Waimanalo Research Station, Waimanalo, Hawaii, USA (invited talk)

Baldos, O.C. Native Hawaiian plants for floriculture and landscape use (invited talk delivered remotely via Zoom from the LICH Conference). Hawaii Floriculture and Nursery Association Special Occasion 16 Grower's Seminar. October 6, 2016, USDA PBARC Conference Room, Hilo, Hawaii, USA (invited talk)

Baldos, O.C. 2016. Engaging students through various teaching methods: Experiences from an introductory tropical ornamental horticulture course for non-majors. NACTA Journal 60:S1.

Baldos, O.C., DeFrank J. and S.B. Lukas. Development of production and establishment protocols for native Hawaiian plants: Research on roadside revegetation and potential applications in restoration and ornamental plant materials development. 2016 Hawaii Native Seed Conference. May 17, 2016, University of Hawaii at Manoa, Honolulu, Hawaii, USA. (invited talk)

#### Leadership Roles (Committees, Boards, Advisory, etc.)

February 2023 – present: Consultant (pro bono/unpaid), Pearl Harbor National Memorial CPO Bungalow Historic District

October 2022 – present: Member, Tropical Plant and Soil Sciences Graduate Program Curriculum Committee

August 2020 – present: Associate Editor, Native Plants Journal

August 2017 – present: Undergraduate Student Adviser, BS Tropical Agriculture and Environment program

July 2017 – present: Member, Ad Hoc Magoon Users Committee

January 2016 – present: Coordinator, Pope Laboratory Greenhouse

October 2015 – present: Administrator, TPSS Department Facebook page and YouTube Channel

2013 – 2024: Member, Board of Directors, Landscape Industry Council of Hawaii

February 2022: Consultant (pro bono/unpaid), Honolulu International Airport Landscaping

October 2021 – May 2023: Chair, CTAHR Senate Research Committee

November 2020 – May 2023: Member, Tropical Agriculture and Environment Undergraduate Program Curriculum Committee

November 2015 – January 2020: Observer, Tropical Orchid Growers Association of Hawaii monthly meetings

August 2020 – 2022: American Society for Horticultural Sciences Floriculture Interest Group Chair

August 2021: Consultant, Anything Grows: A Beginner's Guide to Home Gardening (Book)

September 2020: CTAHR Strategic Vision Committee Member

October 2019: CTAHR Senate Personnel Committee Member

October 2019: Chair and Abstract Reviewer, 5th Student Poster Session, Landscape Industry Council of Hawaii Green Industry Conference and Tradeshow

October 2019: Volunteer, Associated Students of the University of Hawaii at Manoa Graduate Fair

August 2019: Volunteer, The Manoa Experience open house

May 2019: Search Committee Member, Maui Ornamental and Landscape Extension Agent Search

2019: Senator, CTAHR Senate

April 2019: Volunteer Judge, CTAHR and Student Research Symposium Oral Presentations

March 2019: Volunteer, The Manoa Experience open house

December 2018: Search Committee Member, Kauai Ornamental and Landscape Extension Agent

October 2018: Chair and Abstract Reviewer, 4th Student Poster Session, Landscape Industry Council of Hawaii Green Industry Conference and Tradeshow

April 2018: Volunteer Judge, CTAHR and CoE Student Research Symposium Oral Presentations

October 2017: Participant, Insectary Plants for Fruit and Vegetable Crops Field Day in Poamoho Station

October 2017: Participant, Pearl City Urban Garden Center Second Saturday at the Garden

October 2017: Co-Chair and Abstract Reviewer, 3rd Student Poster Session, Landscape Industry Council of Hawaii Green Industry Conference and Tradeshow

August 2017: Volunteer, CTAHR Fall Fair kickoff event

August 2017: Volunteer, Welina Manoa kickoff event

August 2017: Facilitator, College Retention Committee

August 2017: Panel Member, New Faculty Orientation Fall 2017: Starting out and staying balanced! A panel of experienced faculty

April 2017: Volunteer Judge, CTAHR and CoE Student Research Symposium Oral Presentations  
 April 2017: Instructor, Kokedama making for CTAHR banquet for students and administrative staff  
 March 2017: Volunteer, The Manoa Experience open house  
 December 2016: Volunteer Reviewer, Native Plants Bill (Act 233(15)) Procurement Documents  
 December 2016: Coordinator, Decoration of Gilmore Hall and St. John lobbies with poinsettias for the holiday season  
 June 2016: Volunteer Guide, NACTA Conference Magoon Tour  
 June 2016: Volunteer Guide, Magoon Tour for Farming Internship program of National Chung Hsing University, Taiwan  
 June 2016: Meeting with officials at the University of the Philippines Los Baños to initiate linkage with UH CTAHR  
 April 2016: Volunteer judge, CTAHR and CoE Student Research Symposium Oral Presentations  
 2007 – 2017: Member, University of Hawaii at Manoa Landscape Advisory Committee

### Graduate Students

<u>Category</u>	<u>Current Number of Students</u>	<u>Number Graduated (Career)</u>
Chair of Master's Committees	2	5
Member of Master's Committees	3	3
Member of PhD Committees	1	

### Grant Support

Title of Grant: Eatify landscapes: Edible landscaping guidelines (from planning, design, maintenance and use) and demonstration gardens to enhance food security and sustainability in Hawai'i

Source of Grant: USDA-NIFA Supplemental Hatch

Total Dollar Value: \$77,910.21 (\$43,465.91)

Dates of Grant: 09/01/2024-06/30/2027

Role (PI, CoPI): PI

Title of Grant: Increasing production of Hawaii-grown Eucalyptus through best management practices and outreach

Source of Grant: HDOA Specialty Crop Block Grant

Total Dollar Value: \$49,705.00 (\$6,648)

Dates of Grant: 01/01/2025-12/31/2026

Role (PI, CoPI): CoPI

Title of Grant: Improving the ornamental industry of Hawaii through the evaluation and distribution of temperate cut flower crops

Source of Grant: HDOA Specialty Crop Block Grant

Total Dollar Value: \$36,332.25 (\$1,500)

Dates of Grant: 01/01/2025-12/31/2026

Role (PI, CoPI): CoPI

Title of Grant: Collection, screening and selection of native Hawaiian plants for ornamental, floricultural and landscape use (graduate assistantship)

Source of Grant: USDA-NIFA Supplemental Hatch

Total Dollar Value: \$28,435.00

Dates of Grant: 07/01/2023-06/30/2024

Role (PI, CoPI): PI

Title of Grant: Evaluation of saturated steam with hot water to control weeds for Maui landscapes and farms

Source of Grant: Maui County Office of Economic Development

Total Dollar Value: \$26,648.00

Dates of Grant: 01/01/2023-12/31/2023

Role (PI, CoPI): CoPI

Title of Grant: Collection, screening and selection of native Hawaiian plants for ornamental, floricultural

and landscape use (graduate assistantship)  
Source of Grant: USDA-NIFA Supplemental Hatch  
Total Dollar Value: \$27,353.18  
Dates of Grant: 07/01/2022-06/30/2023  
Role (PI, CoPI): PI

Title of Grant: Purchase of weed steaming equipment for non-chemical weed control around the living collections at Lyon Arboretum  
Source of Grant: Stanley Smith Horticultural Trust  
Total Dollar Value: \$15,000.00  
Dates of Grant: 01/01/2022-12/31/2022  
Role (PI, CoPI): PI

Title of Grant: Collection, screening and selection of native Hawaiian plants for ornamental, floricultural and landscape use (graduate assistantship)  
Source of Grant: USDA-NIFA Supplemental Hatch  
Total Dollar Value: \$26,235.80  
Dates of Grant: 07/01/2021-06/30/2022  
Role (PI, CoPI): PI

Title of Grant: Commercialization of *Peperomia muiensis* as a native indoor plant  
Source of Grant: County of Maui Office of Economic Development  
Total Dollar Value: \$15,817.27  
Dates of Grant: 01/01/2020-12/31/2020  
Role (PI, CoPI): PI

Title of Grant: Collection, evaluation and propagation of ‘ala‘ala‘wai nui (*Peperomia* spp.) for use as a native indoor potted ornamental  
Source of Grant: USDA-NIFA Supplemental Hatch  
Total Dollar Value: \$60,000  
Dates of Grant: 10/01/2018-09/30/2020  
Role (PI, CoPI): PI

Title of Grant: Developing new selections of native Hawaiian plants for the floriculture and nursery industries  
Source of Grant: County of Hawaii Department of Research and Development Innovation Grant  
Total Dollar Value: \$5,000  
Dates of Grant: 01/01/2019-12/31/2019  
Role (PI, CoPI): CoPI

Title of Grant: Increasing Hawaii’s agriculture production through research, importation, evaluation, propagation, and distribution of new germplasm  
Source of Grant: Hawaii Department of Agriculture  
Total Dollar Value: \$43,460  
Dates of Grant: 05/01/2017 – 04/30/20  
Role (PI, CoPI):CoPI

Title of Grant: Varney Circle Native Plant Landscaping Project  
Source of Grant: University of Hawaii Women’s Campus Club  
Total Dollar Value: \$1,000  
Dates of Grant: 06/2017-08/2017  
Role (PI, CoPI):PI

Title of Grant: Developing Plant Materials and Sustainable Production Protocols for Ilima, a Native Hawaiian Shrub with Potential Use as a Pollinator-Friendly Potted Flowering Plant  
Source of Grant: USDA-NIFA Supplemental Hatch  
Total Dollar Value: \$52,000

Dates of Grant: 10/01/2016-09/30/2018

Role (PI, CoPI): PI

### **Presentations at Conferences**

Title: Variegated native plants: the next frontier to increase the landscape use of native plants in Hawai'i

Authors (put an asterisk on the presenter): Baldos O.C.\*, de Matos P.V.L. and L. Watanabe

Name of Conference: 2025 CTAHR Conference

Location: Campus Center, UH Manoa, Honolulu, Hawaii, USA

Date of Presentation: April 10 to 11, 2024

Title: *Peperomia muiensis* can tolerate low indoor light conditions for up to 12 months

Authors (put an asterisk on the presenter): Baldos O.C.\*, Watanabe L., Wong C. and S. A. Hara

Name of Conference: 2025 CTAHR Conference

Location: Campus Center, UH Manoa, Honolulu, Hawaii, USA

Date of Presentation: April 10 to 11, 2024

Title: Consumer testing and surveys indicate a market for *Peperomia muiensis*, an endemic succulent with potential use as an indoor potted plant

Authors (put an asterisk on the presenter): Baldos O.C.\* and H. Lutgen

Name of Conference: 2025 CTAHR Conference

Location: Campus Center, UH Manoa, Honolulu, Hawaii, USA

Date of Presentation: April 10 to 11, 2024

Title: *Peperomia muiensis* can tolerate low indoor light conditions for up to 12 months

Authors (put an asterisk on the presenter): Baldos O.C.\*, Watanabe L., Wong C. and S. A. Hara

Name of Conference: 2024 American Society for Horticultural Science Annual Conference

Location: Hilton Hawaiian Village, Honolulu, Hawaii, USA

Date of Presentation: September 23 to 27, 2024

Title: Consumer testing and surveys indicate a market for *Peperomia muiensis*, an endemic succulent with potential use as an indoor potted plant

Authors (put an asterisk on the presenter): Baldos O.C.\* and H. Lutgen

Name of Conference: 2024 American Society for Horticultural Science Annual Conference

Location: Hilton Hawaiian Village, Honolulu, Hawaii, USA

Date of Presentation: September 23 to 27, 2024

Title: Evaluation of auxin application and the presence or absence of roots or inflorescences in the propagation of variegated *Carex wahuensis* subsp. *wahuensis*

Authors (put an asterisk on the presenter): Matos, P.\* and O.C. Baldos

Name of Conference: 2024 American Society for Horticultural Science Annual Conference

Location: Hilton Hawaiian Village, Honolulu, Hawaii, USA

Date of Presentation: September 23 to 27, 2024

Title: Stratification under ambient conditions, followed by cold exposure improves germination of *Carex wahuensis*, a native Hawaiian sedge used in landscaping and restoration

Authors (put an asterisk on the presenter): Baldos O.C.\* and L. Watanabe

Name of Conference: 2022 American Society for Horticultural Science Annual Conference

Location: Hyatt Regency O'Hare, Chicago, Illinois, USA

Date of Presentation: July 29 to August 3, 2022

Title: Indole-3-butyric acid application improves rooting of variegated *Scaevola taccada* stem cuttings

Authors (put an asterisk on the presenter): Baldos O.C.\* and S. Keene

Name of Conference: 2022 American Society for Horticultural Science Annual Conference

Location: Hyatt Regency O'Hare, Chicago, Illinois, USA

Date of Presentation: July 29 to August 3, 2022



Title: Floral Arts: Pivoting instruction during the pandemic  
Authors (put an asterisk on the presenter): Amore, T.A.\* and O.C. Baldos  
Name of Conference: 2021 American Society for Horticultural Science Annual Conference  
Location: Hybrid Conference (Virtual and in Denver, Colorado, USA)  
Date of Presentation: August 8, 2021

Title: Indole-3-butyric acid application under indoor subirrigated conditions improve rooting of *Peperomia sandwicensis* whole leaf and single node cuttings  
Authors (put an asterisk on the presenter): Baldos, O.C.\* and C. Wong  
Name of Conference: 2021 American Society for Horticultural Science Annual Conference  
Location: Hybrid Conference (Virtual and in Denver, Colorado, USA)  
Date of Presentation: August 6, 2021

Title: Bringing the outdoors closer to home: Indoor use of native plants to increase public engagement and support of conservation  
Authors (put an asterisk on the presenter): Baldos, O.C.\*  
Name of Conference: 2020 Hawaii Conservation Conference  
Location: Virtual Conference  
Date of Presentation: September 2, 2020

Title: Rooting response of three *Melanthra integrifolia* accessions to indolebutyric acid application  
Authors (put an asterisk on the presenter): Baldos, O.C.\* and S. Chapagain  
Name of Conference: 2020 American Society for Horticultural Science Annual Conference  
Location: Virtual Conference  
Date of Presentation: August 11, 2020

Title: Pa'uohi'iaka (*Jacquemontia sandwicensis*) selections for hanging basket use  
Authors (put an asterisk on the presenter): Baldos, O.C.\* and D.K.S. Antesco  
Name of Conference: 2019 Landscape Industry Council of Hawaii Green Industry Conference and Tradeshow  
Location: Hawaii Convention Center, Honolulu, Hawaii, USA  
Date of Presentation: October 14, 2019

Title: Morphological characterization and identification of pa'uohi'iaka (*Jacquemontia sandwicensis* A. Gray) accessions for hanging basket use  
Authors (put an asterisk on the presenter): Baldos, O.C.\* and D.K.S. Antesco.  
Name of Conference: IX International Symposium on New Ornamental Crops  
Location: Hotel Malibu, Guadalajara, Jalisco, Mexico  
Date of Presentation: September 30 – October 3, 2019

Title: Collection, selection and evaluation of native Hawaiian plants for landscape and indoor use  
Authors (put an asterisk on the presenter): Baldos, O.C.\*, Antesco, D.K.S., Corpuz A.K. and C. Wong  
Name of Conference: IX International Symposium on New Ornamental Crops  
Location: Hotel Malibu, Guadalajara, Jalisco, Mexico  
Date of Presentation: September 30 – October 3, 2019

Title: Evaluation of single and four-node stem cuttings as a propagation material for six accessions of pa'uohi'iaka (*Jacquemontia sandwicensis*)  
Authors (put an asterisk on the presenter): Baldos, O.C.\* and D.K.S. Antesco  
Name of Conference: 2019 American Society for Horticultural Science Annual Conference  
Location: Tropicana Hotel, Las Vegas, Nevada, USA  
Date of Presentation: July 21-25, 2019

Title: Survival of four native Hawaiian *Peperomia* species under three indoor light conditions  
Authors (put an asterisk on the presenter): Baldos, O.C.\* and A.K. Corpuz\_  
Name of Conference: American Society for Horticultural Science Annual Conference

Location: Tropicana Hotel, Las Vegas, Nevada, USA  
Date of Presentation: July 21-25, 2019

Title: Up and coming native Hawaiian plant selections for landscape, container and indoor use  
Authors (put an asterisk on the presenter): Baldos, O.C.\*, Corpuz A.K. and D.K.S. Antesco  
Name of Conference: 2018 Landscape Industry Council of Hawaii Green Industry Conference and Tradeshow  
Location: Neal Blaisdell Convention Center, Honolulu, Hawaii, USA  
Date of Presentation: October 10, 2018

Title: Native Hawaiian plants to increase Hawaii's agricultural production  
Authors (put an asterisk on the presenter): Baldos, O.C.\*, Corpuz A.K. and D.K.S. Antesco  
Name of Conference: WERA 1013 Intermountain Regional Evaluation and Introduction of Native Plants Annual Meeting  
Location: Cheyenne Botanical Garden, Cheyenne, Wyoming, USA  
Date of Presentation: October 4-6, 2018

Title: Morphological characterization of six accessions of Pa'uohi'iaka (*Jacquemontia ovalifolia* subsp. *sandwicensis*).  
Authors (put an asterisk on the presenter): Antesco, D.K.S.\* and O.C. Baldos  
Name of Conference: International Plant Propagators Society Western Region Annual Meeting: The Pacific Rim Conference  
Location: Courtyard King Kamehameha's Kona Beach Hotel, Kona, Hawaii, USA  
Date of Presentation: July 28 – August 4, 2018

Title: Developing a hands-on class to increase student awareness of floriculture arts in Hawaii.  
Authors (put an asterisk on the presenter): Amore, T.\* and O. Baldos  
Name of Conference: American Society for Horticultural Science Annual Meeting  
Location: Washington Hilton, Washington DC, USA  
Date of Presentation: July 30 – August 3, 2018

Title: Morphological characterization and diversity analysis of Ilima (*Sida fallax*)  
Authors (put an asterisk on the presenter): Antesco, D.K.S.\* and O.C. Baldos  
Name of Conference: 2018 CTAHR and CoE Student Research Symposium  
Location: University of Hawaii at Manoa, Honolulu, Hawaii, USA  
Date of Presentation: April 6-7, 2018

Title: Response of four native Hawaiian *Peperomia* species to three indoor light conditions  
Authors (put an asterisk on the presenter): Corpuz, A.K.\* and O.C. Baldos  
Name of Conference: Pacific Entomology Conference 2017, featuring the Hawaiian Botanical Forum  
Location: Hilton Waikiki Beach Hotel, Honolulu, Hawaii, USA  
Date of Presentation: December 5-7, 2017

Title: Establishing a trial garden for underutilized native Hawaiian plants at the University of Hawaii at Manoa's Varney Circle  
Authors (put an asterisk on the presenter): Baldos, O.C.\*  
Name of Conference: 2017 Landscape Industry Council of Hawaii Green Industry Conference and Tradeshow  
Location: Neal Blaisdell Convention Center, Honolulu, Hawaii, USA  
Date of Presentation: October 5, 2017

Title: Rooting response of two *Chenopodium oahuense* selections to indolebutyric acid (IBA) application  
Authors (put an asterisk on the presenter): Baldos, O.C. \* and A.K. Corpuz  
Name of Conference: 2017 American Society for Horticultural Science Annual Meeting  
Location: Hilton Waikoloa Village, Waikoloa, Hawaii, USA.  
Date of Presentation: September 19-22, 2017

Title: Rooting response of Pacific lovegrass (*Eragrostis deflexa*) clumps to rooting hormone soaks

Authors (put an asterisk on the presenter): Baldos, O.C. \* and A.K. Corpuz  
Name of Conference: 2017 American Society for Horticultural Science Annual Meeting  
Location: Hilton Waikoloa Village, Waikoloa, Hawaii, USA.  
Date of Presentation: September 19-22, 2017

Title: Rooting response of native Hawaiian *Peperomia* leaf cuttings to indolebutyric acid application  
Authors (put an asterisk on the presenter): Corpuz, A.K. \* and O.C. Baldos  
Name of Conference: 2017 American Society for Horticultural Science Annual Meeting  
Location: Hilton Waikoloa Village, Waikoloa, Hawaii, USA.  
Date of Presentation: September 19-22, 2017

Title: Floral design using tropicals.  
Authors (put an asterisk on the presenter): Criley, R.A., Amore, T.D. and O.C. Baldos\*  
Name of Conference: 2017 American Society for Horticultural Science Annual Meeting  
Location: Hilton Waikoloa Village, Waikoloa, Hawaii, USA  
Date of Presentation: September 19-22, 2017

Title: Faculty mentoring and peer-to-peer teaching for hands-on active learning in growing *Princettia* plants  
Authors (put an asterisk on the presenter): Kobayashi, K.D. \*, Amore, T.D. and O.C. Baldos  
Name of Conference: 2017 American Society for Horticultural Science Annual Meeting  
Location: Hilton Waikoloa Village, Waikoloa, Hawaii, USA  
Date of Presentation: September 19-22, 2017

Title: Experiential learning through production and marketing of *Princettia* and poinsettia plants for fundraising sales  
Authors (put an asterisk on the presenter): Liu, S., Teng, E. \*, Perez, K., Kobayashi, K.D., Amore, T.D. and O.C. Baldos  
Name of Conference: 2017 American Society for Horticultural Science Annual Meeting  
Location: Hilton Waikoloa Village, Waikoloa, Hawaii, USA  
Date of Presentation: September 19-22, 2017

Title: Evaluation of leaf cuttings and rooting hormone treatment for propagating *Peperomia leptostachya* and *Peperomia cookiana*: Two native Hawaiian species with indoor plant potential  
Authors (put an asterisk on the presenter): Corpuz, A. \* and O.C. Baldos  
Name of Conference: 2017 CTAHR and CoE Student Research Symposium  
Location: University of Hawaii at Manoa, Honolulu, Hawaii, USA  
Date of Presentation: April 7-8, 2017

Title: Rooting of two low growing 'āweoweo (*Chenopodium oahuense*) selections without the use of rooting hormones  
Authors (put an asterisk on the presenter): Fox, K. \*, Wong, C. and O.C. Baldos  
Name of Conference: 2017 CTAHR and CoE Student Research Symposium  
Location: University of Hawaii at Manoa, Honolulu, Hawaii, USA  
Date of Presentation: April 7-8, 2017

Title: The rooting response of ilima (*Sida fallax*) stem cuttings in three different propagation units  
Authors (put an asterisk on the presenter): Cacal, J. \*, Liu, S., Denis, M., Tui, A. and O.C. Baldos  
Name of Conference: 2017 CTAHR and CoE Student Research Symposium  
Location: University of Hawaii at Manoa, Honolulu, Hawaii, USA  
Date of Presentation: April 7-8, 2017

Title: Bringing the outdoors closer to home: Establishing a native plant materials program for landscape and indoor use in Hawaii  
Authors (put an asterisk on the presenter): Baldos, O.C.\* and A. Corpuz  
Name of Conference: 2017 National Native Seed Conference  
Location: Washington, D.C., USA

Date of Presentation: February 13-16, 2017

Title: Building a portable after-ripening bucket for relieving dormancy of small seed batches

Authors (put an asterisk on the presenter): Baldos, O.C. \*, DeFrank, J. and S.B. Lukas

Name of Conference: 2017 National Native Seed Conference

Location: Washington, D.C., USA

Date of Presentation: February 13-16, 2017

Title: The response of kamanomano (*Cenchrus agrimonioides* var. *agrimonioides*) root and shoot growth to pre-plant hormone soaking and simulated hydromulch establishment procedure

Authors (put an asterisk on the presenter): Baldos, O.C. \*, DeFrank, J. and S.B. Lukas

Name of Conference: International Plant Propagators' Society Western Region 57th Annual Meeting

Location: Tempe Mission Palms, Tempe, Arizona, USA

Date of Presentation: October 19-22, 2016

Title: Mussaendas: an underutilized non-invasive ornamental plant for containers and landscape

Authors (put an asterisk on the presenter): Baldos, O.C. \*

Name of Conference: 2016 Landscape Industry Council of Hawaii Green Industry Conference and Tradeshow

Location: Neal Blaisdell Convention Center, Honolulu, Hawaii, USA

Date of Presentation: October 6, 2016

Title: Engaging students through various teaching methods: Experiences from an introductory tropical ornamental horticulture course for non-majors

Authors (put an asterisk on the presenter): Baldos, O.C.\*

Name of Conference: North American Colleges and Teachers of Agriculture Conference

Location: University of Hawaii at Manoa, Honolulu, Hawaii, USA

Date of Presentation: June 21-24, 2016

Title: Development of production and establishment protocols for native Hawaiian plants: Research on roadside revegetation and potential applications in restoration and ornamental plant materials development

Authors (put an asterisk on the presenter): Baldos, O.C.\*, DeFrank, J. and S.B. Lukas

Name of Conference: 2016 Hawaii Native Seed Conference

Location: University of Hawaii at Manoa, Honolulu, Hawaii, USA

Date of Presentation: May 17-19, 2016