

Hannah Lutgen
College of Tropical Agriculture and Human Resources
Tropical Plant and Soil Sciences
FTE Distribution: 100% E

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
BS	University of Wisconsin Stevens Point	Sustainable Horticulture (Individually Planned)
MS	University of Hawaii at Manoa	Tropical Plant Pathology

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Junior Extension Agent, Ornamental and Landscape	University of Hawaii at Manoa, College of Tropical Agriculture & Human Resources (CTAHR) Department of Tropical Plant and Soil Sciences	10/28/2019 to present

Courses Taught

Fall, 2020- Landscape Workforce Education Series Fall 2020- Landscape Industry Certified Technician (LICT) Training (Certificate Course) (Program Coordinator, Lecturer)

Publications (reverse chronological order)

Refereed Journal Publications

Russo, M., Waisen, P., Lutgen, H., and X. Cheng. 2023. *Field Evaluation of organic and synthetic insecticides against the hala scale, Thysanococcus pandani Stickney (Hemiptera: Halimococcidae), on Maui, Hawai'i*. Journal of Economic Entomology 2023. <https://doi.org/10.1093/jee/toad184>

Lutgen, H., Velarde O.A, Kong, A., and M. Melzer. 2023. *First report of plumeria mosaic virus infecting Plumeria spp. in the United States*. Plant Disease 0 0: ja. <https://doi.org/10.1094/PDIS-09-22-2019-PDN>

Extension Publications

Lutgen, H., Galanti, R., Cheng, Z., and J. Bloese. 2023. *Ornamental Pests of Hawaii: Disease Management of Protea and Leucospermum spp.* UH-CTAHR. OF-61. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/OF-61.pdf>

Lutgen, H., Galanti, R., Sugiyama, L., Bushe, B., Brill, E., Luiz, B., Keith, L., Mello, C., Myers, R., Cheng, Z., and J. Bloese. 2023. *Ornamental Pests of Hawaii: Fungal and Nematode Associations and Symptoms on Protea and Leucospermum spp.* UH-CTAHR. OF-60. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/OF-60.pdf>

Galanti, R., H. Lutgen. 2023. *Red Ginger Viruses in Hawaii: A symptom Identification Guide*. UH-CTAHR. OF-123. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/OF-59.pdf>

Guitterez-Coarite R., Tavares K., and H. Lutgen. 2023. *Olive Fruit Fly Management*. UH-CTAHR. IP-57. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-57.pdf>

Lutgen, H., N. Oooki and H. Seo. February 2023. *Want Fewer Emails? Use an Online Tool to Plan Extension Distribution Events*. *Cooperative Extension Publications*. University of Hawaii College of Tropical Agriculture and Human Resources. ET-18. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/ET-18.pdf>

R. Galanti, H. Lutgen. 2021. *Greenhouse and Nursery Sanitation: Tools, Equipment, Workers and Visitors*. UH-CTAHR. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/OF-54.pdf>

CTAHR Notes

Lutgen, H. 2021. *Ecological Restoration*. CTAHR Notes. <https://cms.ctahr.hawaii.edu/NewsLetter/ArtMID/52574/ArticleID/2148/Alpine-Arthropods>

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

Extension Videos

Guitterez-Coartie, R., Tavares, K., and H. Lutgen. 2023. *Olive Fruit Fly Management*. <https://www.youtube.com/watch?v=3AuXdTDNMdI>

Lutgen, H., and H. Seo. 2023. *Eucalyptus seed sowing video*. <https://www.youtube.com/watch?v=ZEONb32mG1I>

Lutgen, H., and A. Medeiros. 2021. *Ecological Restoration in Hawai'i* <https://youtu.be/sUF19R-xs-g>

Lutgen, H., Sherrill, T., Keir, M., and M. Au. 2021. *LICH Webinar Series: Native Hawaiian Plants*. <https://youtu.be/ApIGNKPeP-M>

Lutgen, H. 2020. *Proper Tree Planting Techniques*. https://youtu.be/pEr_1x5IgCU

Lutgen., H. 2020. *Nutsedge Suppression Trials*. <https://www.facebook.com/MALP.ORG/videos/2790713167833913>

Lutgen, H. and B. Bushe. 2020. *Pest and Disease Webinar*. <https://youtu.be/O4ZlbGpKjRI>

Website:

<https://www.facebook.com/hannah.lutgen>. Created by Hannah Lutgen in 2019. Professional Social Media Account for the Maui Ornamental Extension Program.

<https://www.facebook.com/MALP.ORG>. Administrator for Maui Association of Landscape Professionals (MALP) Social Media Account.

Landscape Industry Council of Hawaii, Hawaii Landscape Magazine (Editor 2020-present)

Issues Published as Editor of the Hawaii Landscape Magazine

November/December 2023-Contracting and Arboriculture, Issue No. 75.
September/October 2023-Conference and Native Plants, Issue No. 74.
July/August 2023- Invasives and Edible Landscapes Issue No. 73
May/June 2023- Sustainability and Design Issue No. 72
March/April 2023- Turf, Golf Courses, Parks Issue No. 71
January/February 2023- Nursery, Fertilizer, Irrigation Issue No. 70
November/December 2022- Contracting and Arboriculture Issue No. 69
September/October 2022- Native Plants/Conference/Certification Issue No. 68
July/August 2022- Invasive/Edible Landscapes Issue No. 67
May/June 2022- Sustainability/Design Issue No. 66
March/April 2022- Turf/Golf Courses Issue No. 65
January/February 2022- Nursery, Fertilizers, Irrigation Issue No. 64
November/December 2021- Contracting /Arboriculture Issue No. 63
September/October 2021- Native Plants/Conference/Certification Issue No. 62
July/August 2021- Invasive/Edible Landscapes Issue No. 61
May/June 2021- Sustainability/Design Issue No. 60
March/April 2021- Turf/Golf Courses Issue No. 59
January/February 2021- Nursery, Fertilizers, Irrigation Issue No. 58
November/December 2020- Native Plants/Conference/Certification Issue No. 57

Articles Written:

Publication Date: July/August 2023

Article Title: Discovering an emerging leaf scorch disease in Maui.

Author: Marquez, Josiah and Lutgen, H.

Publication Date: July/August 2023

Article Title: Avocado Lace Bug in the Landscape: Current BMPS.

Author: Ricordi, Alberto, Uyeda, Jensen, Hannah Lutgen.

Publication Date: May/June 2023

Article Title: Composting for Landscapes: A Conversation with the experts, Dr. Gerry Ross, and Janet Simpson.

Author: Hannah Lutgen

Publication Date: July/August 2022

Article Title: Common Citrus Pests in Hawaii

Author: Gutierrez-Coarite R. and Lutgen, H.

Publication Date: November/December 2021

Article Title: Learn from the Arboriculture Expert: Ernest H. Rezens

Author: Hannah Lutgen

Publication Date: July/August 2021

Article Title: Coffee Leaf Rust (CLR)

Authors: Hannah Lutgen & Andrea Kawabata

Publication Date: May/June 2021

Article Title: Weed Steaming: A Sustainable Weed

Control Alternative
Author: Hannah Lutgen

Publication Date: March/April 2021
Article Title: Makena Golf & Beach Club: Meet the Landscape and Turfgrass Experts
Author: Hannah Lutgen

Publication Date: November/December 2020
Article Title: The Pioneer of Dry Forest Restoration
Author: Hannah Lutgen

Publication Date: November/December 2020
Article Title: “Commercial Use of Threatened and Endangered Native Hawaiian Plants” Excerpted from Commercial Use of Native Hawaiian Plants: Laws and Requirements for the Propagation and Sale of Threatened and Endangered Hawaiian Plant Species by Orville Baldos, Andrew Kawabata and Joanne Lichty Imamura, University of Hawaii College of Tropical Agriculture and Human Resources (UH-CTAHR) OF-52
Author: Re-written by Hannah Lutgen with permission of authors

Publication Date: September/October 2020
Article Title: Chili Thrips (*Scirtothrips dorsalis*)
Author: Hannah Lutgen

Publication Date: July/August 2020.
Article Title: Hydroseeding with Native Hawaiian Plants
Author: Hannah Lutgen and Dawn Easterda

Publication Date: March/April 2020
Article Title: How to Maximize Referrals & Increase Sales
Author: Hannah Lutgen

Publication Date: March/April 2020
Article Title: New Friends: Hannah Lutgen, CTAHR Extension Agent for Maui County
Author: Russell Galanti, Hannah Lutgen

Leadership Roles (Committees, Board, Advisory)

Search Committee Member. 9/2022-present. CTAHR Maui Urban Horticulture Extension Agent Search Committee.
Search Committee Member. 12/2021-12/2022. CTAHR Oahu Ornamental Extension Agent Search Committee
Editor. Hawaii Landscape Magazine. 2020-present. Landscape Industry Council of Hawaii
Member. 09/09/2020-01/28/2020. CTAHR Faculty Senate Extension Committee
Member. 2020-present. CTAHR Ornamental Extension Faculty Working Group
Board Advisor. 2019-present. Maui Association of Landscape Professionals
Board Advisor. 2019-present. Hawaii Floriculture and Nursery Association
Board Advisor. 2019-present. Landscape Industry Certified Council of Hawaii

Grant Support

Title of Grant: Evaluation of new strategies to increase water use efficiency under drought conditions.
Source of Grant: USDA, NRCS Conservation Innovation Grants.
Total Dollar Value (Your share of the grant value): \$723,686.00
Dates of Grant: 8/7/2023-8/6/2026
Role (PI, or CoPI): CoPI

Title of Grant: Regenerating soil health through shelterbelt planting, sheet mulching and tree mulch plant-available nitrogen calculator

Source of Grant: USDA, NRCS Conservation Innovation Grants.

Total Dollar Value (Your share of the grant value): \$771,442.

Dates of Grant: 8/7/2023-8/6/2026

Role (PI, or CoPI): CoPI

Title of Grant: Educating Hawaii's Producers, Farmworkers, and Pesticide Handlers About Crop Insurance and Safe Pesticide Use to Reduce Risks

Source of Grant: Western Extension Risk Management Extension

Total Dollar Value (Your share of the grant value): \$99,999.00

Dates of Grant: 4/1/2023-9/30/2024

Role (PI, or CoPI): CoPI

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 (OED).

Total Dollar Value (Your share of the grant value): \$ 26,648.

Dates of Grant: 1/1/2023-12/31/2023

Role (PI, or CoPI): PI

Title of Grant: Maui Master Gardener Greenhouse.

Source of Grant: Maui Office of Economic Development (OED)

Total Dollar Value (Your share of the grant value): \$21,322.

Dates of Grant: 1/1/2023-12/31/2023

Role (PI, or CoPI): CoPI

Title of Grant: S.T.E.A.M. on the Bookshelf: Introducing Maui's families to Science, Technology, Engineering, Agriculture, and Mathematics through literature and experiential learning

Source of Grant: Maui County Office of Economic Development (OED).

Total Dollar Value (Your share of the grant value): \$24,621.

Dates of Grant: 1/1/2023-12/31/2023

Role (PI, or CoPI): CoPI

Title of Grant: Improving the Sustainable Production of Hawaii's Ornamental Industry through Precision Nutrient Management

Source of Grant: HDOA Specialty Crop Block Grant

Total Dollar Value (Your share of the grant value): \$39,885

Dates of Grant: 3/1/2022-02/29/2024

Role (PI, or CoPI): CoPI

Title of Grant: Investing in the Preservation and Distribution of Protea in Maui County.

Source of Grant: Maui County Office of Economic Development

Total Dollar Value: \$30,000

Dates of Grant: 01/01/2022-12/31/2022

Role (PI, or CoPI): PI

Title of Grant: Increasing Production and Distribution of Eucalyptus and Other Myrtaceae Products

Source of Grant: Hawaii Department of Agriculture (HDOA)

Total Dollar Value: \$27,500

Dates of Grant: 06/21/2021-06/22/2022

Role (PI, CoPI): CoPI

Title of Grant: Evaluation and sharing best management practices for Proteaceae disease management in Maui County.

Source of Grant: Maui County Office of Economic Development
Total Dollar Value: \$30,000
Dates of Grant: 01/01/2021-12/31/2021
Role (PI, or CoPI): PI

Title of Grant: The Distribution of Myrtaceae and Import Replacement Plants and Proteaceae Maintenance
Source of Grant: Maui County Farm Bureau
Total Dollar Value: \$11,000
Dates of Grant: 4/30/2020- 7/30/2021
Role (PI, or CoPI): CoPI

Presentations at Conferences/ Events

Title: Ornamental Updates in Maui County
Authors: Hannah Lutgen*
Name of Event: HFNA Research Webinar 2023
Location: Virtual, Komohana Research and Extension Center
Date of Event: October 23, 2023

Title: LICH 2023 Conference: Pest & Disease Updates
Authors: Hannah Lutgen*
Name of Event: Landscape Industry Council of Hawaii (LICH) 2023 Green Industry Conference & Tradeshow.
Location: Honolulu, HI
Date of Event: September 14, 2023.

Title: Worker Protection Standard: Pesticide Training.
Authors: Rosemary Guitterez-Coarite, Hannah Lutgen*
Name of Event: WPS Training
Location: Kahului, HI
Date of Event: August 22, 2023

Title: Landscape Soils, Fertility, and Erosion Control in Hawaii County
Authors: Hannah Lutgen*
Name of Event: CTAHR Landscape Training Series
Location: Virtual
Date of Event: July 22, 2023

Title: Maui Soils, Fertility, and Erosion Control
Authors: Hannah Lutgen*
Name of Event: CTAHR Landscape Training Series
Location: Virtual
Date of Event: July 21, 2023

Title: Oahu Soils, Fertility, and Erosion Control
Authors: Hannah Lutgen*
Name of Event: CTAHR Landscape Training Series
Location: Virtual
Date of Event: July 14, 2023

Title: Eucalyptus Updates in Maui County 2023.
Authors: Hannah Lutgen*
Name of Event: Cut Foliage Eucalyptus Field Day: Kauai.
Location: Virtual, Kauai Agricultural Research Center, Kapa'a, Kauai
Date of Event: April 24, 2023

Title: Master Gardener: Weed Management
Authors: Hannah Lutgen*
Name of Event: Master Gardener Training Program 2023 Class 11: Invasives and Weed Management
Location: Virtual, Kahului, HI
Date of Event: April 21, 2023

Title: Eucalyptus Updates in Maui County 2023.
Authors: Hannah Lutgen*
Name of Event: CTAHR CES Eucalyptus Seminar and Plant Distribution
Location: Virtual, Kahului Extension Center. Kahului, HI
Date of Event: April 10, 2023

Title: Eucalyptus Updates in Maui County 2023.
Authors: Hannah Lutgen*
Name of Event: CTAHR Cooperative Extension Oahu Island Eucalyptus Trial Seminar and Field Day
Location: Pearl City Urban Garden Center. Pearl City, HI
Date of Event: March 6, 2023

Title: Tree Planting Demonstration
Authors: Hannah Lutgen*
Name of Event: 2022 Maui Arbor Day Garden Expo
Location: Kahului, HI
Date of Event: November 5, 2022

Title: Pest and Diseases of Ornamental Plants
Authors: Hannah Lutgen*
Name of Event: Hawai'i Island Landscape Management (HILA) Conference 2022
Location: Hapuna Beach Hotel, Kona, HI
Date of Event: October 28, 2022

Title: Eucalyptus Updates 2022
Authors: Hannah Lutgen*
Name of Event: HFNA Research Webinar 2021
Location: Virtual, Komohana Research and Extension Center
Date of Event: September 16, 2022

Title: Maui Ornamental Updates 2022
Authors: Hannah Lutgen*
Name of Event: HFNA Research Webinar 2021
Location: Virtual, Komohana Research and Extension Center
Date of Event: September 16, 2022

Title: Go Farm: Cut Flower Pests & Diseases

Authors: Hannah Lutgen*

Name of Event: Go Farm Hawai'i AgXcel

Location: Virtual

Date of Event: August 17, 2022

Title: Ornamental Plant Diseases

Authors: Hannah Lutgen*

Name of Event: Maui Association of Landscape Professionals Workforce Education Series

Location: Virtual

Date of Event: November 10, 2021

Title: Proteaceae Diseases and Cultural Management Practices

Authors: Hannah Lutgen*

Name of Event: CTAHR Annual Ornamental Field Day

Location: Waiakea Research Station

Date of Event: September 30, 2021

Title: Ornamental Updates in Maui County

Authors: Hannah Lutgen*

Name of Event: HFNA Research Webinar 2021

Location: Virtual, Komohana Research and Extension Center

Date of Event: September 29, 2021

Title: Sanitation and Cultural Practices

Authors: Russell Galanti, Hannah Lutgen*, Joanna Bloese, James Keach

Name of Event: Floriculture and Nursery Seminar Series

Location: Virtual

Date of Event: July 6, 2021

Title: Ornamental Extension Updates in Maui County

Authors: Hannah Lutgen*

Name of Event: HDOA Hawaii Pesticide Workshop

Location: Online

Date of Event: November 17, 2020

Title: Proper Planting Techniques for Trees and Shrubs

Authors: Hannah Lutgen*

Name of Event: Maui Nui Botanical Garden Arbor Day Garden Expo

Location: Online, virtual presentation

Date of Event: November 4, 2020

Title: Nutsedge Suppression-Trial Results Unveiling

Authors: Hannah Lutgen*

Name of Event: Maui Nui Botanical Garden Arbor Day Garden Expo

Location: Online, virtual presentation

Date of Event: November 6, 2020

Title: Floricultural Extension Projects in Maui County

Authors: Hannah Lutgen*

Name of Event: HFNA Research Webinar

Location: Online

Date of Event: October 30, 2020

Title: Basic Botany and Plant Identification

Authors: Hannah Lutgen*

Name of Event: Maui Master Gardener Program Monthly General Membership Meeting

Location: Online, Zoom webinar

Date of Event: October 20, 2020

Title: Basic Botany

Authors: Hannah Lutgen*

Name of Event: Landscape Workforce Education Series Fall 2020- LICT Training

Location: Online, Zoom webinar

Date of Event: September 24, 2020.

Title: Tree and Plant Care

Authors: Kevin Gavagan, Allison Wright, Hannah Lutgen*

Name of Event: Landscape Workforce Education Series Fall 2020- LICT Training

Location: Online, Zoom webinar

Date of Event: October 1, 2021.

Title: Landscape and Floriculture Industries in Hawaii

Authors: Hannah Lutgen*

Name of Event: International Trainee Seminar Series

Location: Online, Zoom webinar

Date of Event: March 25, 2020