

**Tina Lau**  
**College of Tropical Agriculture and Human Resources**  
**Department of Tropical Plant and Soil Sciences**  
FTE Distribution: 100% Extension

**Education**

<u>Degree</u>	<u>University</u>	<u>Major</u>
MS	University of Hawaii at Manoa	Botanical Sciences
BS	University of Hawaii at Manoa	Botanical Sciences, Specialization: Ecology, Evolution & Conservation Biology

**Professional Appointments**

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Jr. Extension Agent	University of Hawaii at Manoa	2022 to Present
Lecturer	University of Hawaii at Manoa	2018 to 2019

**Courses Taught**

Bot 350                      Resource Management and Conservation Biology of Hawaii (3)

**Publications**

Refereed Journal Publications

Lau, T., Eno, E., Goldstein, G., Smith, C., & Christopher, D.A. 2006. "Ambient levels of UV-B in Hawaii combined with nutrient deficiency decrease photosynthesis in near-isogenic maize lines varying in leaf flavonoids: Flavonoids decrease photoinhibition in plants exposed to UV-B." *Photosynthetica*, 44(3), 394-403.

Santiago, L., Lau, T., Melcher, P., Steele, O., & Goldstein, G. 2000. Morphological and Physiological Responses of Hawaiian Hibiscus tiliaceus Populations to Light and Salinity. *International Journal of Plant Sciences*, 161(1), 99-106.

Lau, T. (1998). Protection of the Photosynthetic Apparatus from UV-B Radiation by Anthocyanin (flavonoid) Pigments in Near-isogenic Maize Lines. (Thesis)

Extension Publication

Lau, Tina, Ahmad, Amjad, Hauck, Emily, Manandhar, Roshan, and Sugano, Jari. Collective Action for Control of Invasive Species on Windward O'ahu. July 2022. CTAHR IP-53. 6 pg.

<https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-53.pdf>

Web-based Extension Newsletter Articles

Lau, Tina and Ricordi, Alberto. Hawaiian Alphabet Tree Garden Serves as a Community Resource. September/October 2023. Landscape Industry Council of Hawaii. #74 Native Plants and Conference News. [https://hawaiiscape.com/news\\_arch.php](https://hawaiiscape.com/news_arch.php)

Fagan, Shannan, Maresca, Barbara, and Lau, Tina. Ti Leaf Plant Propagation at Kaimuki High School Recommended Cutting Techniques. Sept 2023. Hānai‘Ai volume 51.

<https://cms.ctahr.hawaii.edu/soap/Hanai-Ai>

Chung, P., Hanakawa, C., Ahmad, A., Uyeda, J., Lau T., Silva, J., and J. Sugano. Growing Lettuce Under Shade Conditions. University of Hawai`i at Mānoa, College of Tropical Agriculture and Human Resources. Sustainable and Organic Agriculture Program. June 2023. Volume 50, Hānai‘Ai.

<https://cms.ctahr.hawaii.edu/soap/Hanai-Ai/ArtMID/40474/ArticleID/2757/Volume-50-April-%7c-May-%7c-June-2023>

Chung, P., J. Silva, J. Uyeda, C. Hanakawa, T. Lau, and J. Sugano. Non-Chemical Weed Management in Small Gardens. University of Hawai`i at Mānoa, College of Tropical Agriculture and Human Resources. Sustainable and Organic Agriculture Program. March 2023. Volume 49, Hānai‘Ai.

<https://cms.ctahr.hawaii.edu/soap/Hanai-Ai/ArtMID/40474/ArticleID/2678/Volume-49-January-%7c-February-%7c-March-2023>

Chung, P., C. Hanakawa, T. Lau, J. Uyeda, A. Ahmad, and J. Sugano. Increasing Success Rate in Backyard Cilantro. University of Hawai`i at Mānoa, College of Tropical Agriculture and Human Resources. Sustainable and Organic Agriculture Program. November 2022. Volume 48, Hānai‘Ai.

<https://cms.ctahr.hawaii.edu/soap/Hanai-Ai/ArtMID/40474/ArticleID/2584/Volume-48-October-%7c-November-%7c-December-2022>

Chung, Pono, Hanakawa, Christine, Lau, Tina, Uyeda, Jensen, Ahmad, Amjad and Sugano, Jari. Hydroponics Solutions for Background or Classroom Systems. September 2022. Volume 47, Hānai‘Ai.

<https://cms.ctahr.hawaii.edu/soap/Hanai-Ai/ArtMID/40474/ArticleID/2493/Volume-47-July-%7c-August-%7c-September-2022>

Hanakawa, Christine, Ahmad, Amjad, Lau, Tina and Sugano, Jari. June 2022. Increasing Youth Engagement with Flowers. Volume 46, Hānai‘Ai.

<https://cms.ctahr.hawaii.edu/soap/Hanai-Ai/ArtMID/40474/ArticleID/2492/Volume-46-April-%7c-May-%7c-June-2022>

Ahmad, Amjad, Hanakawa, Christine, Lau, Tina, and Sugano, Jari. June 2022. Sunflower: A Multi-Purpose Crop: Edible Oil Production, Livestock Feed, and as an Ornamental Crop. Volume 46, Hānai‘Ai.

<https://cms.ctahr.hawaii.edu/soap/Hanai-Ai/ArtMID/40474/ArticleID/2492/Volume-46-April-%7c-May-%7c-June-2022>

## **Presentations**

### Conference

Lau, T.\*, McCann B.\* 2023. Developing a CRB-Safe Composting Method. Invasive Pest Conference 2023. Honolulu, Hawaii. August 10.

### Other Presentations

1. Hanakawa, C, Lau, T. & Higashi, J. 2023. *Static Hydroponics*. UH Cooperative Extension, Oahu County. Pearl City, HI. December 16, 2023.
2. Lau, T., Chung, C., & Fukuhara, C. 2023. *Bucket Composting and Coconut Rhinoceros Beetle Prevention*. UH Cooperative Extension, Oahu County. Pearl City, HI. November 1, 2023.
3. Lau, T. & Blair-Stahn, C. 2023. *Climate Change Gardening with Native Plants*. UH Cooperative Extension, Oahu County. Lyon Arboretum, HI. October 28, 2023.
4. Lau, T. 2023. *Food Container Gardening Workshop*. UH Cooperative Extension, Oahu County. Kahaluu Community Center, HI. September 28, 2023.

5. Lau, T. 2023. *Food Container Gardening Workshop*. UH Cooperative Extension, Oahu County. Nanakuli Public Library, HI. September 23, 2023.
6. Lau, T. 2023. *Static Hydroponics Gardening Workshop*. UH Cooperative Extension, Oahu County. Pearl City, HI. July 14, 2023.
7. Lau, T., Hanakawa, C., Eickstead, K. 2023. *Hawaiian Plant Garden, Pollinators, & Seed Paper*. UH Cooperative Extension, Oahu County. Pearl City, HI. April 10, 2023.
8. Braum E., Lau, T., Silva J., Jay, C. 2023. *Bringing Hawai'i Trees and Forests into Your Classroom*. Malama Learning Center & UH Cooperative Extension, Oahu County. Pearl City, HI. March 25, 2023.
9. Lau, T., Hanakawa, C. Harman, M. 2023. *Hawaiian Plant Garden, Pollinators, & Seed Paper*. UH Cooperative Extension, Oahu County. Pearl City, HI. March 7, 2023.
10. Lau, T., Blair-Stahn, C., Ellis, K. 2023. *Native Plant Propagation Workshop*. UH Cooperative Extension, Oahu County. Pearl City, HI. February 23, 2023.
11. Silva, J., Lau, T., Ahmad, A., Ricordi, R., Chung, P. 2023. *UH Extension in the Garden Series: Garden Irrigation*. UH Cooperative Extension, Oahu County. Pearl City, HI. February 23, 2023.
12. Sugano, J., Amjad, A., Hanakawa, C., Lau, T., Silva, J., Tay, J., Teves, A., Wang, K. 2022. *UH Extension in the Garden Series: Garden Pest Management*. UH Cooperative Extension, Oahu County. Pearl City, HI. December 8, 2022.
13. Uyeda, J, Lau, T. 2022. *UH Extension in the Garden Series: Mango Showcase*. UH Cooperative Extension, Oahu County. Pearl City, HI. November 10, 2022.
14. Sugano, J., Amjad, A., Hanakawa, C., Lau, T., Chung, P., Silva, J., Uyeda, J., Wang, K. 2022. *UH Extension in the Garden Series: Germplasm Exchange*. UH Cooperative Extension, Oahu County. Pearl City, HI. October 22, 2022.
15. Lau T., Harman, M., Blair-Stahn, C., Fujimoto, L., Teves, A. 2022. *Nature Journaling Tour*. UH Cooperative Extension, Oahu County. Pearl City, HI. September 16, 2022.
16. Uyeda, J, Lau, T. 2022. *UH Extension in the Garden Series: Hydroponics*. UH Cooperative Extension, Oahu County. Pearl City, HI. September 8, 2022.
17. Lau, T., Sugano, J., Chung, P. 2022. *UH Extension in the Garden Series: Container Gardening & Hydroponics*. UH Cooperative Extension, Oahu County. Pearl City, HI. August 11, 2022.
18. Lau T., Radovich, T, Ho-Lastimososa, I., Fisher, R. 2022. *AgDiscovery: Waimanalo Research Station Overview*. UH Cooperative Extension, Oahu County. Waimanalo, HI. July 21, 2022.
19. Lau T., Ellis, K., Blair-Stahn, C. 2022. *Soil & Vermicast Demonstration*. UH Cooperative Extension, Oahu County. Pearl City, HI. April 22, 2022.
20. Lau T., McCann B. 2022. *Soil Components and Garden Assessment*. UH Cooperative Extension, Oahu County. Nanakuli Intermediate School, Waianae, HI. April 21, 2022.
21. Lau T. 2022. *Garden Pollinators*. UH Cooperative Extension, Oahu County. Pearl City, HI. April 9, 2022.
22. Lau T., Garcia, S. 2022. *Vermicast*. UH Cooperative Extension, Oahu County. Lehua Elementary School, Pearl City, HI. March 8, 2022.
23. Uyeda, J., Lau T. 2022. *Ag Foundations: Vertical Hydroponics*. UH Cooperative Extension, Oahu County. Pearl City, HI. February 14, 2022.

## **Grant Support**

### **As Co-Investigator**

Arinaga, P, Garrity, M, Higa, A, Ho, K, Kane, K, **Lau, T.**, Levinson, J., Lincoln, N., Marten, L., Quinn, R., Radovich, T., Reis-Moniz, S., **Ricordi, A.**, Rutkowsky, P., Thielen, L., Vickery, M., Van der Lee, N. Trees for People: Growing an Urban Community Food & Native Forest. USDA Forest Service Urban and Community Forestry Grant. \$5,000,000 (\$413,000 for Urban Garden Center), 2024 – 2029.