

CV
2019-2025

THEODORE JAMES KELLY RADOVICH

Extension Specialist and Professor
Department of Tropical Plant and Soil Sciences
50% extension; 30% research; 20% Instruction.

EDUCATION

Ph.D., Horticulture and Crop Science, The Ohio State University, 2004.

M.Sc., Horticulture, University of Hawaii, Manoa, 2000.

B.Sc., Horticulture, University of Hawaii, Manoa, 1994

CURRENT POSITION

Extension Specialist and Professor in Sustainable and Organic Farming Systems, Department of Tropical Plant and Soil Sciences, University of Hawaii at Manoa. 9/19-Present.

AREA OF SPECIALTY

Ecology, yield and quality of vegetable crops

COURSES TAUGHT

TPSS 401: Vegetable Crop Production (3cr) (Taught Spring, 2020, 2022, 2024; average class size 15 students)

TPSS 220/Sust 221: Organic Food Crop Production (2cr) (Taught Fall 2019-2024; average class size 22 students)

TPSS 120c: Herbs Spices and Flavorings (1cr) (Taught Spring 2020, 2022, 2024; average class size 25 students)

TPSS 667 Seminar (1 cr) (Led Fall 2024; Class size 18 students)

PUBLICATIONS (2019-2025)

Refereed journal articles (*indicates senior author)

1. Bryant, G., Kantar, M., Wang, K., Uyeda, J., Ahmad, A., & ***Radovich, T.** (2025). Identification of Promising Heirloom Tomato Varieties for Production in Hawaii. *HortTechnology*, 35(2), 241-248.
2. Anna Halpin-McCormick, Asoka Silva, Tamara Sherrill, Briette Corpuz, Lukas Kambic, Stacy Lucas, Jerry Koko, Devon Gordon, Liloa Dunn, Timothy Kroessig, Seana Walsh, Hayley Walcher, Sharon Motomura-Wages, Amjad A Ahmad, Rosemary Gutierrez, Mark Shankle, Jon Suzuki, **Theodore Radovich**, Aurora Kagawa-Viviani, Michael J Melzer, Michael Kantar (2025). Virus incidence in Hawaiian heritage sweetpotato. *Plant Health Progress*.
3. Ahmad, A.A., **T.J.K. Radovich**, J. Sugano, K.H. Wang, H.V. Nguyen, J. Uyeda, and S.A.M. Wages. 2024. Evaluating the yield of three legume crop varieties under Hawaii's micro-climates. *Crops* 4(2):242-255.
4. Tavares, K., E. Kirk, S. Motomura-Wages, J. Calpito, J.P. Bingham, A.A. Ahmad, and ***T.J.K. Radovich**. 2022. Turmeric (*Curcuma longa* L.). *Agronomy* 12(11):2703.
5. Sirabis, W.C.L., M.B. Kantar, **T. Radovich**, and N.K. Lincoln. 2022. Nitrogen dynamics and sweet potato production under indigenous soil moisture conservation practices in the Leeward Kohala Field System, Hawai'i Island. *Soil Systems* 6(1):16.
6. Silvasy, T., A.A. Ahmad, K.H. Wang, and ***https://www.perplexity.ai/search/describe-to-me-the-various-not-B5xCjdGISOm6s60vliVpCAT.J.K. Radovich**. 2021. Rate and timing of meat and bone meal applications influence growth, yield, and soil water nitrate concentrations in sweet corn production. *Agronomy* 11(10):1945.

7. Anderson, T., **T. Radovich**, J.P. Bingham, N. Sinclair, G. Bryant, and M.B. Kantar. 2021. Evaluation of Hawaiian heritage sweet potato (*Ipomoea batatas* (L.) Lam.) breeding lines. *Agronomy* 11(8):1545.
8. Winnicki, E., Kagawa-Viviani, A., Perez, K., **Radovich, T.** and Kantar, M., 2021. Characterizing the Diversity of Hawai 'i Sweet Potatoes (*Ipomoea batatas* [L.] Lam.). *Economic Botany*, pp.1-15.
9. Del Valle Echevarria, A.R, Campbell, A, **Radovich, T.J.K.**, Silvasy, T., Moore, S. and Kantar, M.B. 2020. Quantitative Trait Loci (QTL) Analysis of Fruit and Agronomic Traits of Tropical Pumpkin (*Cucurbita moschata*) in an Organic Production System. *Horticulturae* 6, 14 doi:10.3390/horticulturae6010014
10. Ho-Lastimosa, I., Keli'iholokai, L., Kassebeer, K., Kassebeer, H., Kamai, J.A., Rogerson, I., Ho Jr, K., Ho, M., Ho, K., Deitschman, K., **Radovich, T.**, & Chung-Do, 2020. Kōkua Kaiāulu: Keeping the Native Hawaiian Community in Waimānalo Fed. *Journal of Indigenous Social Development*, 9(3), pp.170-182.
11. Lincoln, N. K., **Radovich, T.**, Acosta, K., Isele, E., & Cho, A. (2019). Toward Standardized Leaf Sampling for Foliar Nutrient Analysis in Breadfruit. *HortTechnology* 29: 443–449. <https://doi.org/10.21273/HORTTECH04358-19>.
12. Lincoln, N.K., Cho, A., Dow, G. and **Radovich, T.**, 2019. Early Growth of Breadfruit in a Variety× Environment Trial. *Agronomy Journal*, 111(6), pp.3020-3027.
13. Galanti, R., Cho, A., Ahmad, A., & **Radovich, T.** (2019). Soil Amendments and Soil Profiling Impact on Macadamia Growth and Yield Performance. *HortScience*, 54(3), 519-527.
14. Chung-Do, J. J., Ho-Lastimosa, H. I., Herrera, S., Jr. Ho, K., Hwang, P., **Radovich, T.**, Albinio, L., Rogerson, I., Keli'iholokai, Deitschman, K., & Spencer, M. S. 2019. Pono Research: Promoting Native Hawaiian Wellness through Culturally-Grounded and Community-Driven Research and Programming. Special issue of the American Journal of Community Psychology on Community, Psychology, and Indigenous Peoples. <https://doi.org/10.1002/ajcp.12355>
15. Ho-Lastimosa, H. I., Chung-Do, J.J., Hwang, P., **Radovich, T.**, Rogerson, I., Ho, K., Kaholokula, J. K., Spencer, M. S. (2019). Promoting Ahupua'a Health through Backyard Aquaponics with Native Hawaiian Families. *Global Health Promotion*, 26(Supp 3), 87-92.
16. Keaulana, S., Chung-Do, J. J., Ho-Lastimosa, I., Hwang, P. H., Ho, Kenneth, **Radovich, T.**, & Spencer, M. S. (2019). Waimānalo Pono Research Hui: Establishing protocols and rules of engagement to promote community-driven and culturally-grounded research with a Native Hawaiian community. *British Journal of Social Work*, 49 (1023-1040).

Guest Editor

17. Special Issue of *Agronomy*. "Innovations in Tropical Vegetable Agroecosystems" edited by **Theodore Radovich**, **Michael Kantar** and Robert E Paull submission deadline 15 Aug 2021. https://www.mdpi.com/journal/agronomy/special_issues/Innovations_Agroecosystems.

Extension Bulletins

18. Kirk, E., K. Tavares, T. Radovich, S. Wages, A. Ahmad, J. Uyeda, R.E. Paull, J. Silva, G. Bryant, E. Collier, K. Flanagan, J.P. Bingham, J. Ellinwood, and J. Sugano. 2023. Hawai'i turmeric production guidelines. University of Hawai'i at Mānoa, College of Tropical Agriculture and Human Resources. VC-9.

Sustainable and Organic Newsletter (Chief Editor)

20 issues published 2019-20244

<https://cms.ctahr.hawaii.edu/soap/HanaiAi.aspx>

Websites:

<https://cms.ctahr.hawaii.edu/soap/Home.aspx>

<https://UHOT.org>

Hawaii Food and Farm Magazine

Understanding Organics (quarterly column)

16 articles published since 2019

<https://hfbf.org/hawaii-farm-food-magazine/>

GRADUATE STUDENTS

<u>Category</u>	<u>Current Number</u>	<u>Number Graduated (Career)</u>
<i>Chair of Master Committees</i>	3	8
<i>Chair of PhD Committees</i>	2	3
Member of Master Committees	2	15
Member of PhD Committees	4	5

Extension Leadership and Advisory Positions

- Coordinator, Sustainable and Organic Agriculture Program (SOAP) at the University of Hawaii, Manoa. <http://www.ctahr.hawaii.edu/sustainag/>
- Hawai'i Farm Bureau: Organic Industry advisor (2009-Present)
- Hawai'i Farmer's Union: Board Member (2020-Present)

Beginning Farmer Training

- GoFarm Hawaii program on O'ahu. <http://www.gofarmhawaii.org/>. Founding and current member of the steering committee that provides input and guidance on program structure and content to the program director.
- GoFish Hawaii <https://gofarmhawaii.org/gofish-hawaii/>

Master Gardener Training

Annual "Organic 101" presentations at the Master Gardener programs on O'ahu, Kaua'i, Maui and Hawai'i island (Hilo and Kona) 2012-present.

Undergraduate Student Mentoring

- Advisor for Student Organic Farm Training Program:
<http://www.ctahr.hawaii.edu/sustainag/soft/>
- Supervised 12 directed study projects and internships since 2019

SERVICE ACTIVITIES:

Service to Profession

Referee for manuscripts and grant proposals for Journals, Societies and organizations, including:

- Agronomy
- ASHS
- WSARE

Service to Industry

- Hawai'i Farm Bureau: Organic Industry advisor (2009-Present)
- Hawai'i Farmer's Union: Board Member (2020-Present)

Service to UHM/CTAHR/TPSS

- TAE Curriculum Committee (2022-present)
- TPSS Departmental Promotion and Tenure Committee (2022 & 2023 (Chair))
- Magoon User Committee (2022-Present)
- Tropical Agroecosystems Faculty Search Committee (2023)

GRANT SUPPORT (2019-2025)

Awards as PI = \$899,880

Awards as COI = \$2,120,297

1. (PI) University of Hawaii Transition Organic Partnership Program, 6/27/2023 - 10/1/2027, \$375,000, California Certified Organic Farmers Inc
2. (PI) Supporting Organic Food Crop Production through the Washington Place Organic Garden, 5/31/2023 - 5/30/2024, \$75,000, AGRICULTURE, DEPT-HI
3. (PI) Designing a Regenerative Systems Approach for Sustainable Turmeric Production, 8/1/2022 - 7/31/2023, \$29,521, MONTANA STATE UNIVERSITY
4. (PI) Research, Extension, and Education Activities to Improve Sustainable and Organic Farming in Hawaii., 5/15/2022 - 5/14/2023, \$49,500, AGRICULTURE, DEPT-HI
5. (PI) Research, Extension, and Education Activities to Improve Sustainable and Organic Farming in Hawaii, 4/19/2021 - 4/18/2022, \$99,294, AGRICULTURE, DEPT-HI
6. (PI) KS Waimanalo Health, 11/30/2020 - 8/30/2021, \$47,500, KSBE.
7. (PI) Waimanalo Learning Center Programs, 11/30/2020 - 8/30/2021, \$25,000, Bayer.
8. (PI) QHS WLC MALAMA Program, 6/1/2020 - 1/31/2021, \$20,700, Queens Health Services.
9. (PI) Enhancing Hawaii's Organic Agriculture through Research and Extension Activities, 3/31/2020 - 3/30/2021, \$130,865, AGRICULTURE, DEPT-HI
10. (PI) KS Waimanalo Health, 8/16/2019 - 8/30/2020, \$47,500, KSBE
11. (COI) Improving Banana and Taro Local Production with Plantlets/Huli and Education Program, 4/24/2024 - 4/23/2026, \$50,000, AGRICULTURE, DEPT-HI
12. (COI) Supporting the Expansion of Local Coconut Production by Evaluation and Distribution of Dwarf Coconut Seedlings, 4/24/2024 - 4/23/2026, \$49,607, AGRICULTURE, DEPT-HI
13. (COI) To Enhance Soil Health/Quality and Crop Production Through the Application of Biochar Made From Invasive Species and to Evaluate the Quality of Biochar-Assisted Composting., 9/18/2023 - 9/14/2026, \$149,961, AGRICULTURE, DEPT-FED
14. (COI) Support Development of the Western Cover Crops Council and Enhance Cover Crop Educational Resources and Adoption in the Western U.S., 9/16/2022 - 9/15/2023, \$26,149, OREGON STATE UNIVERSITY
15. (COI) GoFarm Hawaii: Building Sustainable Farms for Hawaii, 9/15/2020 - 9/14/2023, \$200,000, AGRICULTURE, DEPT-NATL INST FOOD AND AGRICULTURE
16. (COI) GoFarm Hawaii: Building Sustainable Farms for Hawaii, 9/15/2020 - 9/14/2023, \$599,972, AGRICULTURE, DEPT-NATL INST FOOD AND AGRICULTURE
17. (COI) Leveraging Established Research Plantings of Breadfruit (*Artocarpus Altilis*) to Understand Drivers of Fruit Quality and its Impacts on Post-Harvest Processes and Profits, 1/2/2021 - 1/1/2026, \$480,000, AGRICULTURE, DEPT-NATL INST FOOD AND AGRICULTURE
18. (COI) Establishing an Avocado Orchard as Model for a Year Round Harvest in Hawaii, 12/23/2020 - 12/22/2022, \$50,000, AGRICULTURE, DEPT-HI
19. (COI) Expanding the Market for Organically Produced Hawaiian Ginger with High Gingerol Content Varieties, 3/11/2020 - 3/10/2022, \$40,000, AGRICULTURE, DEPT-HI
20. (COI) GoFarm Hawaii (GFH): Growing Successful Farmers in Hawaii, 9/1/2019 - 8/31/2021, \$474,608, AGRICULTURE, DEPT-NATL INST FOOD AND AGRICULTURE

EXTENSION/RESEARCH PRESENTATIONS & OTHER SIGNIFICANT SCHOLARSHIP

Select Presentations (* indicates lead author):

- Bohringer, A., B.K. Fox, E. Collier, K.H. Wang, R. Paull, and ***T. Radovich**. 2024. Effects of potassium and iron supplements and late nitrogen restriction on aquaponic taro (*Colocasia esculenta*) corm production. HortScience 59(9S):S234 (Abstr.).
- Ho-Lastimosa, H.I., I. Rogerson, J. Chung-Do, J. Sugano, K. Ho, K. Deitschman, L. Kelihoheokai, and ***T. Radovich**. 2024. The Waimānalo Learning Center: Land-grant experiment stations as a space to heighten community engagement and advancement. HortScience 59(9S):S345 (Abstr.).
- Perkins, M., E. Collier, and ***T. Radovich**. 2024. SOFT Science: Cultivating sustainable horticulture leaders through the Student Organic Farm Training program. HortScience 59(9S):S401 (Abstr.).
- Iliadis, A., ***Radovich, T. J. K.**, Flanagan, K., Paudel, R., Wang, K.-H., & Collier, E. (2023). Identifying Optimal Species Composition for Intercropping in Organic Turmeric (*Curcuma longa* L.) Production Systems in Hawaii. Paper presented at the ASHS Annual Conference, Orlando, FL, July 30-August 4.
- Fox, B. K., ***Radovich, T.J.K.**, Yamamoto, J., Shimizu, E., Weigert, P., Chung-Do, J., & Ho-Lastimosa, I. (2023). Gofish Hawaii: An Aquaponics Training Program for Small-Scale Fruit and Vegetable Growers. Paper presented at the ASHS Annual Conference, Orlando, FL, July 30-August 4.
- Carmo, S. Y., Kantar, M. B., ***Radovich, T.**, Campbell, A., & Del Valle Echevarria, A. R. (2023). Understanding the Variation in Tropical Pumpkin (*Curcubita moschata*) Breeding Germplasm and Selecting for Improved Varieties. Paper presented at the ASHS Annual Conference, Orlando, FL, July 30-August 4.
- Ho-Lastimosa, I., Rogerson, I., Deitschman, K., Kelihoheokai, L., **Radovich, T.**, Ho, K., Vegas, K., Keaulana-Scott, S., Coleman, P., Coleman, A., Kipapa, M., Makaneole, K., & Chung-Do, J. (2023). Ka Nohona Ahupua'a: A Hands-on Approach to Wholistic Health and Wellbeing through Backyard Aquaponics Food and Medicine. Paper presented at the ASHS Annual Conference, Orlando, FL, July 30-August 4.
- Tello, N., Pearson, B. J., Gomez, C., Fisher, P. R., Langenhoven, P., Kirk, E. R., Ahmad, A. A., Collier, E., **Radovich, T.**, Niu, G., & Masabni, J. G. (2023). Multi-Site Characterization of Ginger and Turmeric Rhizome Yield. Paper presented at the ASHS Annual Conference, Orlando, FL, July 30-August 4.
- Ahmad, A. A., Wang, K.-H., Uyeda, J. Y., Wages, S. A. M., Kirk, E. R., Gutierrez-Coarite, R., Silva, J., Hawkins, J., **Radovich, T.**, Galanti, R., Tavares, K. L. T., & Sugano, J. (2023). Revitalizing the Declining Hawaii Banana Industry with Clean, Virus-Free Planting Materials and a Statewide Extension Outreach Program. Paper presented at the ASHS Annual Conference, Orlando, FL, July 30-August 4.
- **Radovich, T. 2019**. Recent Achievements and Current Opportunities in *Moringa oleifera* Horticultural Research. Keynote Speech. 2nd International Symposium on Moringa. 10-13 November, 2019. Pretoria, South Africa.
- Keaulana, S., Ho-Lastimosa, I., Chung-Do, J. J., Ho, K., Hwang, P., **Radovich, T.**, Albinio, L., Bio, D., Higa, O., Kamai, A., Crowell, D., Ho, M., Spencer, M.S. (2019, June). Waimānalo Mau a Mau: Utilizing participatory and decolonizing approaches to develop, implement, and disseminate culturally-grounded health programs for Native Hawaiians. Panel presentation at the European Association of Schools of Social Work Conference. Madrid, Spain.
- Herrera, S., Ho-Lastimosa, I., Chung-Do, J. J., Hwang, P., Ho, K., **Radovich, T.**, Spencer, M., Albinio, L., Rogerson, I., Kelihoheokai, L., Deitschman, K., Crowell, D., Kamai, A., Higa, O., (2019, March). Waimānalo Mau a Mau: Utilizing Pono Research principles to develop, implement, and disseminate culturally-grounded health programs for Native Hawaiians. Panel presentation at the He Au Honua Conference, Maui, HI.

