

SHARON AIKO MOTOMURA WAGES

Associate Extension Agent
University of Hawaii Manoa
Department of Tropical Plant and Soil Sciences
FTE Distribution: 100% Extension

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
BS	University of Hawaii at Hilo	Agriculture
MS	University of Hawaii at Hilo	Tropical Conservation Biology and Environmental Science

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Associate Extension Agent	University of Hawai'i Manoa	08/2022- Present
Assistant Extension Agent	University of Hawai'i Manoa	07/2016-07/2022
Junior Extension Agent	University of Hawai'i Manoa	10/2012-06/2016

Publications (reverse chronological order)

Refereed Journal Publications

1. Veley, K.M., Elliott, K., Jensen, G. et al. Improving cassava bacterial blight resistance by editing the epigenome. *Nat Commun* 14, 85 (January 2023). <https://doi.org/10.1038/s41467-022-35675-7>
2. Tavares, K.; Kirk, E.; Motomura-Wages, S.; Calpito, J.; Bingham, J.-P.; Ahmad, A.A.; Flanagan, K.; Uyeda, J.; Kantar, M.B.; Radovich, T.J.K. Genotypic and Environmental Influence on Fresh Rhizome Yield of Turmeric (*Curcuma longa* L.). *Agronomy* (October 2022), 12, 2703. <https://doi.org/10.3390/agronomy12112703>
3. Paudel, R., Bartlett, B., Zamora, C. M., Keach, J. E., Gutierrez-Coarite, R., Hawkins, J., Ahmad, A., Motomura-Wages, S., Kirk, E. R., Kantar, M. B., Lamour, K. H., Bernabe, C., Shintaku, M., & Miyasaka, S. C. (October 2022). Breeding and selection of taro (*Colocasia esculenta*) for improved disease-resistance in Hawai'i. *Plants, People, Planet*, 5 (1), 123–145. <https://doi.org/10.1002/ppp3.10335>
4. Adenike, D., Olasanmi, B, Bauchet, G. J., Kayondo, I. S., Mbanjo, E. G. N., Uwugiaren, R., Motomura-Wages, S., Norton, J., Egesi, C., Parkes, E. Y., Kulakow, P., Ceballos, H., Dieng, I., Rabbi, I.Y. Validation Of KASP-SNP Markers in Cassava Germplasm for Marker-Assisted Selection of Increased Carotenoid Content and Dry Matter Content. (October 2022) *Front. Plant Sci.* 13. doi.org/10.3389/fpls.2022.1016170
5. Pulakkatu-Thodi, I., Motomura-Wages, S.A., Miyasaka, S.C. Evaluation Of Insecticides for the Management of Rough Sweetpotato Weevil, *Blosyrus asellus* (Coleoptera: Curculionidae) in Hawai'i Island. (December 2018) *Crop Protection*. 114. 223-227. doi.org/10.1016/j.cropro.2018.08.035

6. Miyasaka, S. C., Motomura-Wages, S.A., Pulakkattu-Thodi, I., Melzer, M. J, Clark, C. A., LaBonte, D. R., Villordon, A. (October 2018) Field Performance of Tissue-Cultured, Virus-Tested Okinawan Sweetpotato and Comparison with Some Promising Cultivars in Hawai'i. HortTechnology. 28. 676-683. doi.org/10.21273/HORTTECH04009-18

Extension Publications

1. Wages, S., Tavares, W., Ooka, J. Food Safety Modernization Act (FSMA) Frequently Asked Questions for Fresh Fruit and Vegetable Producers (July 2023) Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/FST-69.pdf>
2. Kirk, E., Tavares, K., Radovich, T., Flanagan, K., Bingham, J.P., Ellinwood, J., Wages, S., Ahmad, A., Uyeda, J., Paull, R.E., Silva, J., Bryant, G., Collier, E., Sugano, J. 2023. Hawai'i Turmeric Production Guidelines. College of Tropical Agriculture and Human Resources, University of Hawai'i at Mānoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/VC-9.pdf>
3. Uyeda, J., Tavares, K., Paull, R., Wages, S., Baligad, L. Garlic Production Guidelines for Hawai'i. (December 2022) Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/VC-8.pdf>
4. Kawabata, A., Wages, S., Nakamoto, S. Pruning Methods for the Management of Coffee Leaf Rust and Coffee Berry Borer in Hawai'i (August 2022) Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-126.pdf>
5. Tavares, K., Wages, S. FSMA Produce Safety Rule: Qualified Exemption an Eligibility and Annual Determination Worksheet. (September 2021) Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/FST-67.pdf>
6. Nakamoto, S., Motomura (Wages), S., Hamasaki, R. (June 2021) Hawai'i Tea Growers' Survey. Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/FN-62.pdf>
7. Akahoshi, K., Motomura-Wages, S., Shintaku, M., Hamasaki, R. Clubroot Disease of Crucifer Crops. (November 2019) Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-117.pdf>
8. Hamasaki, R., Kawabata, A.M., Matsunaga, J., Chun, S., Wages, S., Bushe, B. Biltothrips minutus (Bhatti), Thysanoptera: Thripidae Causing Damage to Various Plants in Hawai'i. (October 2018) Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-45.pdf>
9. Wong, K., Motomura (Wages), S., Paull, R.E. (September 2018) Postharvest Handling and Food Safety – Layers of Protection. Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/FST-66.pdf> (English), <http://www.ctahr.hawaii.edu/oc/freepubs/pdf/FST-66-ILOCANO.pdf> (Ilocano), <http://www.ctahr.hawaii.edu/oc/freepubs/pdf/FST-66-THAI.pdf> (Thai), <http://www.ctahr.hawaii.edu/oc/freepubs/pdf/FST-66-CHINESE.pdf> (Chinese), <http://www.ctahr.hawaii.edu/oc/freepubs/pdf/FST-66-VIETNAMESE.pdf> (Vietnamese)
10. Motomura (Wages), S., Cho, A., Hamasaki, R., Akahoshi, K., Kawabata, A. M., Kawabata, A. F., Nakamoto, S. (November 2016) Evaluation of pot size for greenhouse production of 'Misty'

Southern highbush blueberry in Volcano, Hawai'i. Cooperative Extension Service. University of Hawai'i at Manoa. https://www.ctahr.hawaii.edu/oc/freepubs/pdf/F_N-48.pdf

11. Pulakkatu-Thodi, I., Motomura (Wages), S., Miyasaka, S. (June 2016) Evaluation of Insecticides for the Management of Rough Sweetpotato Weevil, *Blosyrus asellus* (Coleoptera: Curculionidae) in Hawai'i Island. Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-38.pdf>
12. Hamasaki, R., Motomura (Wages), S., Melzer, M., & Bushe, B. (December 2015) Potato Virus Y: A Pathogen Associated with an Emerging Disease of Poha in Hawai'i. Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-109.pdf>
13. Hamasaki, R., Motomura (Wages), S., & Nakamoto, S. (Dec 2015) Hawai'i Tea Growers' Survey 2014. Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/NPH-14.pdf>
14. Hamasaki, R., Motomura (Wages), S., Kawabata, A.M., Kawabata, A.F., Akahoshi, K., & Nakamoto, S., (April 2015). Growing Blueberries for Home Production in Hawai'i. Cooperative Extension Service. University of Hawai'i at Manoa. https://www.ctahr.hawaii.edu/oc/freepubs/pdf/F_N-46.pdf
15. Motomura (Wages), S.A., Radovich, T., & Nagata, R. (October 2014). Saving Seed. Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/SCM-32.pdf>
16. White, F., Motomura (Wages), S.A., Miyasaka, S., & Kratky, B. (April 2013). A Simplified Method of Multiplying Bacterial Wilt-Free Edible Ginger (*Zingiber officinale*) in Pots. Cooperative Extension Service. University of Hawai'i at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-93.pdf>

Creative Works

1. Edible Crops Extension Program
Retrieved from: <http://www.hiloediblecrops.com/>
2. Edible Crops Program-Instagram Account
Retrieved from: https://www.instagram.com/sharon_wages_ctahr/
3. Tavares, K., J. Silva, S. Wages, and E. Kirk. Farm Food Safety Employee Training: Agricultural Water. December 2023. <https://www.youtube.com/watch?v=xUJMguyTHSs>

Leadership Roles

- Hawaii Association of County Agricultural Extension Agents, President
- Western Sustainable Agriculture Research & Education-Agricultural Professional Development Co-Coordinator

Grant Support

1. Yamamoto, J., Ediger, L., Silva, J., Hawkins, J., Ahmad, A., Wages, S., Kirk, E., Akahoshi, K., Tavares, K., Gutierrez-Coarite, R., Uyeda, J., Lincoln, N., Morgan Bernal, L. B., Galanti, R. (2023-

2027) GoFarm Hawaii (GFH): GoFarm Hawaii: Enhancing Hawaii's Agricultural Workforce. USDA-NIFA-ANNH. \$750,000

2. Radovich, T., Collier, E., Tavares, K., Ahmad, A., Kirk, E., Wages, S. (2022-2023) Research, Extension, and Education Activities to Improve Sustainable and Organic Farming in Hawaii. Hawaii Department of Agriculture. \$49,500.
3. Yamamoto, J., Ediger, L., Teves, G., Silva, J., Hawkins, J., Ahmad, A., Wages, S., Kirk, E., Akahoshi, K., Sand, S., Tavares, K., Gutierrez-Coarite, R., Uyeda, J., Lincoln, N. (2022-2025) GoFarm Hawaii (GFH): Growing Hawaii's Agricultural Workforce and Industry. USDA-NIFA-ANNH. \$370,360.
4. Uyeda, J. Ahmad, A., Tavares, K., Wages, S., Gutierrez-Coarite, R., Tamamoto, L. (2022-2023) Increasing Hawai'i Access to Garlic Planting Material and Value-Added Products. Hawaii Department of Agriculture-Specialty Crop Block Grant Program. \$40,000.
5. Gutierrez-Coarite, R., Tavares, K., Ahmad, A., Kirk, E., Wages, S., Mollinedo, J., Uyeda, J., Silva, J. (2023-2025) Increasing the number of sweet potato storage roots to increase the yield of sweet potato crops in Hawaii. Hawaii Department of Agriculture-Specialty Crop Block Grant Program. \$40,000.
6. Wages, S., Ahmad, A., Gutierrez-Coarite, R., Manandhar, R., Uyeda, J. (2022-2023) National Clean Plant Network - Sweetpotato for Hawai'i, 2022-23. USDA-APHIS-NCPN. \$40,000.
7. Kirk, E., Ahmad, A., Eng, S., Keach, J., Wages, S., Silva, J., Hawkins, J., Tavares, K., Uyeda, J., Gutierrez-Coarite, R., Yamamoto, J., Manandhar, R., Sand, S. (2022-2025) Limited-English and Immigrant Farmer Education (LIFE): Improving Access to Support Services for Hawaii's Agricultural Population with Limited English Proficiency. USDA-NIFA-2501. \$743,667.
8. Lincoln, N., Wages, S. (2022-2025) Improving Breadfruit Cultivar Access for Industry Expansion and Quality. Hawaii Department of Agriculture-Specialty Crop Block Grant Program. \$29,269.
9. Ahmad, A., Kirk, E., Wages, S., Silva, J., Hawkins, J., Tavares, K., Uyeda, J., Gutierrez-Coarite, R. (2022-2025) Evaluating the Growth and Yield of Celery and Cilantro Varieties Statewide to Increase Local Production. Hawaii Department of Agriculture-Specialty Crop Block Grant Program. \$55,000.
10. Yamamoto, J., Ediger, L., Teves, G., Silva, J., Jamieson, K., Hawkins, J., Ahmad, A., Wages, S., Kirk, E., Akahoshi, K., Sand, S., Tavares, K. (2021-2023) GoFarm Hawaii (GFH): Training New Farmers and Growing Agribusiness in Hawaii. USDA-NIFA-ANNH. \$450,000.
11. Wages, S. (2021-2022). Sustaining Hawaii County Agriculture: Resources to Detect Banana Bunchy Top Virus. County of Hawaii-Research and Development. \$15,000.
12. Wages, S., Ahmad, A., Gutierrez-Coarite, R., Manandhar, R., Uyeda, J. (2022-2023). A Unified Proposal for National Clean Plant Network-Sweetpotato for 2022-2023. USDA-APHIS-NCPN. \$40,000.
13. Wages, S., Tavares, K. (2021-2024) Western Regional Center to Enhance Food Safety: Fostering Collaboration through Continued Food Safety Education and Stakeholder Support of FSMA Implementation. Western Regional Center to Enhance Food Safety: Fostering

Collaboration through Continued Food Safety Education and Stakeholder Support of FSMA Implementation. \$20,000.

14. Wages, S, Uyeda, J., Tavares, K., Silva, J., Ahmad, A., Garcia, S., Osburn, B., Bennaton, R. (2021-2024) Engaging Asian American and Pacific Islander (AAPI) Grower Educational Needs for Safe Fruit & Vegetable Production in HI & CA. USDA-NIFA-FSOP. \$550,000.
15. Uyeda, J., Wages, S. (2021-2024) SARE State Implementation Grant for 2021. Western Sustainable Agriculture Research and Education/ Montana State University. \$90,000.
16. Uyeda, J., Wages, S. (2020-2022) SARE State Implementation Grant for 2020. Western Sustainable Agriculture Research and Education/ Montana State University. \$30,000.
17. Manosalva, P., Tian, M., Wages, S., et al. (2022-2024) Reducing Avocado Losses to Major Challenges by Improving Resistance Selection and Disease Management Using Next Generation Technologies. USDA-NIFA-SCRI. \$4,372,592.
18. Tavares, K., Wages, S., Hawkins, J., Kirk, E., Silva, J., Uyeda, J. (2020-2022) Building Hawaii's Capacity for Produce Safety Education. Hawaii Department of Agriculture. \$35,000.
19. Ahmad, A., Kirk, E., Wages, S., Radovich, T. Silva, J., Sugano, J., Tavares, K., Wang, K. (2020-2022) Establishing an Avocado Orchard as Model for a Year-Round Harvest in Hawaii. Hawaii Department of Agriculture. \$50,000.
20. Wages, S., Akahoshi, K., Hawkins, J., Kirk, E., Silva, K., Tavares, J., Uyeda, J. (2020-2022) Farm Food Safety Training for Local and Immigrant Crop Producers in Hawaii. USDA-NIFA-FSOP. \$200,000.
21. Wages, S. (2019-2025) Targeted Epigenetic Silencing of Cassava Disease Susceptibility Phase II. Gates Foundation. \$618,104.
22. Uyeda, J., Hawkins, J., Kawabata., Kirk E., Motomura (Wages), S., Tavares, K. (2019-2020) Increasing the Production of Yellow Potatoes in Hawaii. Hawaii Department of Agriculture. \$20,000.
23. Manshardt, R., Cho, A., & Motomura-Wages, S. (2019-2020) CTAHR Papaya Seed Production Proposal for Papaya Growers due to Volcano Disaster. Hawaii Department of Agriculture. \$40,000.
24. Uyeda, J., Motomura-Wages, S. (2018-2019) Virtually There: Enhancing the Online Capacity and Reach of Hawaii Agricultural Professionals. Western Sustainable Agriculture Research & Education. \$24,965.
25. Ahmad, A., Motomura (Wages), S., Radovich, T., Silva, J., Sugano, J., Tavares, K., Teves, G., & Uyeda, J. (2019-2021) Selecting Green Bean and Pigeon Pea Varieties for Market Preference, Value-added Products, and Other Benefits. Hawaii Department of Agriculture. \$40,000.
26. Motomura-Wages, S., Silva, J., Tavares, K., & Uyeda, J. (2019-2021) Farm Food Safety Training for Local & Immigrant Crop Producers. Hawaii Department of Agriculture. \$20,000.

27. Radovich, T., Ahmad, A., Bingham, J., Kantar, M., Kirk, E., Motomura-Wages, S., Silva, J., Sugano, J., Tavares, K., Teves, G., & Uyeda, J. (2019-2021) Expanding the Market for Hawaiian Turmeric with High Yielding and High Curcumin Varieties. Hawaii Department of Agriculture. \$40,000.
28. Li, Y., Motomura-Wages, S., Wong, K. (2018-2019) Using Sanitizers to Improve Microbial Safety of Papaya and Avocado Grown in Hawaii. Hawaii Farm Bureau Federation. \$65,585.
29. Ahmad, A., Motomura-Wages, S., Uyeda, J., Sugano, J., Arakaki, A., Hue, N., Wong., Teves, G., Evaluating Mechanical Harvest and Agronomical Treatments to Improve Legume Crops Growth and Yield in Hawaii. (2018-2020) Hawaii Department of Agriculture. \$40,000.
30. Uyeda, J., Arakaki, A., Kawabata, A., Motomura-Wages, S., Shimabukuro, R., Silva, J., Sugano, J., & Tavares, K. (2018-2020) Macro-propagation Techniques for Disease Free Banana Planting Material in the Pacific. Hawaii Department of Agriculture. \$39,557.
31. Motomura-Wages, S. (2018-2022) Support to the Next Generation Cassava Breeding Phase 2. Cornell University-Bill & Melinda Gates Foundation. \$117,145.
32. Silva, J. & Motomura-Wages, S. (2017-2018) Food Safety Education for the Cottage Industry and Farmer & Market Groups. Western Region Center to Enhance Food Safety. \$15,250.
33. Wong, K. & Motomura-Wages, S. (2017-2019) Expanding Turmeric Production in Maui County. UHM-CTAHR Supplemental Funding. Maui County. \$4,510.
34. Wong, K. & Motomura-Wages, S. (2017-2019) Organic Production of Bacterial Wilt Free Edible Ginger in Pots. UHM-CTAHR Supplemental Funding. \$12,000.
35. Miyasaka, S. & Motomura-Wages, S. (2017-2018) Improving Sustainability of Sweetpotato Production through Virus-tested, Tissue-culture Technology. County of Hawaii-Research & Development. \$8,000.
36. Nakamura-Tengan, L., Motomura (Wages), S., & Wong, K. (2016-2017) FSMA Safety Training. County of Maui Office of Economic Development. \$12,400.
37. Shimabukuro, R., Fukuda, S., Hamasaki, R., Mau, R., Motomura (Wages), S., Sugano, J., & Uyeda, J. (2016-2017) Hawaii Integrated Pest Management Program for Diamondback Moth and Other Lepidopteran Pests on Crucifers. Hawaii Department of Agriculture. \$80,000.
38. Motomura (Wages), S., Akahoshi, K., Hamasaki, R., & Shintaku, M. (2016-2017) Use of Biofungicide (*Bacillus subtilis*) to Suppress Clubroot on Cabbage. County of Hawaii-Research & Development. \$11,000.
39. Hue, N., Ahmad, A., Arakaki, A., Motomura (Wages), S., Radovich, T., Sugano, J., Teves, G., & Uyeda, J. (2016-2019). Improving Nitrogen Synchronization of Local Fertilizer, Soil Fertility, and Crop Quality with Biochar Application. Western Sustainable Agriculture Research & Education. \$259,816.

40. Motomura (Wages), S. (2015-2018). NextGen Cassava Breeding Project-Hawaii Germplasm Exchange Initiative. Cornell University-Bill & Melinda Gates Foundation. \$59,046.
41. Nakamura-Tengan, L., Motomura (Wages), S., Sugano, J., & Uyeda, J. (2015-2016) Cooperative Extension Farm Food Safety Training and Education. Hawaii Department of Agriculture. \$99,902
42. Motomura (Wages), S. (2014-2016). On Farms Plant Nurseries as a Technique for Improving the Market Characteristics of Sweet Potatoes in Hawaii. UHM-CTAHR Supplemental Funding. \$25,000.
43. Motomura (Wages), S. & Miyasaka, S. (2014-2015). On Farms Plant Nurseries as a Technique for Improving the Market Characteristics of Sweet Potatoes in Hawaii. County of Hawaii-Research & Development. \$5,555.
44. Miyasaka, S., Hu, J., Melzer, M.J., & Motomura (Wages), S. (2013-2014). Innovative Agricultural Research to Improve Yield and Quality of Sweet Potatoes. County of Hawaii-Research & Development. Amount: \$10,000.

Presentations at Conferences

1. Tavares, K.*, Kirk, E., Calpito, J., Motomura-Wages, S., Silva, J., Uyeda, J., Sugano, J., Collier, E., Radovich, T., Bingham, J.P., Teves, G., Ahmad, A. (Poster Presentation) Evaluating Diverse Turmeric (*Curcuma Longa*) Cultivars for Commercial Production In Hawai'i. Hawaii Agricultural Conference. Honolulu, HI. September 2022.
2. Tavares, K.*, Wages, S., Sand, S., Kawabata, A., Baligad, L., & Uyeda, J. Evaluating Garlic Varieties for Production in Hawai'i. (Poster Presentation) American Society for Horticultural Sciences Annual Conference. Chicago, IL. August 2022.
3. Kirk, E.*, Tavares, K., Calpito, J., Motomura-Wages, S., Silva, J., Uyeda, J., Sugano, J., Collier, E., Radovich, T., Bingham, J.P., Teves, G., Ahmad, A. Assessing Yield and Curcuminoid Content for 6 Varieties of Turmeric (*Curcuma longa*) Grown in Kaua'i (Poster Presentation) The American Society for Horticultural Science Annual Conference. Denver, CO. August 2021.
4. Motomura-Wages, S., Tavares, K., Uyeda, J., Silva, J., and E. Kirk. CTAHR's Role in Supporting Hawai'i's Agricultural Food Safety Needs (Panel Discussion) Hawaii Agricultural Conference. Honolulu, HI. October 2019.
5. Motomura, S*., Tavares, K., Silva, J., Uyeda, J. Comparison of Organic Fertilizers to Produce Ginger (*Zingiber officinale*) in Pots. (Poster Presentation) The American Society for Horticultural Science Annual Conference. Las Vegas, NV. July 2019.

6. Uyeda, J.*, Radovich, T., Sugano, J., Motomura, S., Ahmad, A. Effect of Automated Soil Moisture Based Irrigation on Yield of Three Cultivars of Taro (*Colocasia esculenta*). (Poster Presentation) The American Society for Horticultural Science Annual Conference. Las Vegas, NV. July 2019
7. Tavares, K.*, Radovich, T., Bingham, J., Calpito, J., Ahmad, A., Kirk, E., Teves, G., Motomura, S., Silva, J., Uyeda, J., Sugano, J., Nakamura-Tengan, L. Yield and Quality of Turmeric and Related Germplasm on Maui. (Poster Presentation) The American Society for Horticultural Science Annual Conference. Las Vegas, NV. July 2019.
8. Ahmad, A.*, Nguyen, H., Radovich, T., Wang, K., Sugano, J., Uyeda, J., Motomura, S., Silva, J., Tavares, K. The Effect of Biochar Application on Soil Health and Legume Crop's Growth and Yield in Hawaii. (Poster Presentation) The American Society for Horticultural Science Annual Conference. Las Vegas, NV. July 2019.
9. Uyeda, J.*, Ahmad, A., Motomura, S., Sugano, J., Miyasaka, S. Evaluating Manganese Toxicity of Lettuce Grown in Oxisol Soils with Low pH. (Poster Presentation) The American Society for Horticultural Science Annual Conference. Las Vegas, NV. July 2019.
10. Galanti, R.*, Cho, A., Motomura (Wages), S.A., & Lichty, J. Germination of Papaya (*Carica papaya* L. cv. Kapoho Solo) Seed in Response to Gibberellic Acid, Potassium Nitrate, and Heat. (Poster Presentation) The American Society for Horticultural Science Annual Conference. Waikoloa, HI. September 2017.
11. Miyasaka, S.*, Clark, C., LaBonte, D., Motomura (Wages), S. A., Villordon, A. Two Sweetpotato (*Ipomea batatas* var. *batatas*) field trials on Maui Demonstrate the Potential of Utilizing Tissue-cultured Planting Materials. (Poster Presentation) The American Society for Horticultural Science Annual Conference. Waikoloa, HI. September 2017.
12. Pulakkatu-thodi, I.*, Motomura (Wages), S., & Miyasaka, S. Management of Rough Sweetpotato Weevil (*Blosyrus asellus*) in Hawaii Using Insecticides. (Poster Presentation) The American Society for Horticultural Science Annual Conference. Waikoloa, HI. September 2017.
13. Pulakkatu-thodi, I.*, Motomura (Wages), S., & Miyasaka, S. Evaluation of Insecticides for the Management of Rough Sweetpotato Weevil, *Blosyrus asellus* (Coleoptera: Curculionidae) in Hawaii. (Poster Presentation) The American Society for Horticultural Science Annual Conference. Atlanta, GA. September 2016.
14. Motomura (Wages), S.*, Cox, L., & Miyasaka, S. Hawaii Farmers Find a Niche Market in Exporting Ginger (*Zingiber Officinale*) Seed. (Poster Presentation) The American Society for Horticultural Science Annual Conference. New Orleans, LA. August 2015.
15. Motomura (Wages), S.*, Shintaku, M., Miyasaka, S.C., & Nelson, S. The Effect of Composts on Field Soils Affected by Bacterial Wilt of Edible Ginger in Hawaii. (Poster Presentation) The American Society of Horticultural Science Annual Conference. Palm Springs, CA, July 2013.
16. Motomura (Wages), S.*, Read, A., Arancon, N., Miyasaka, S., Shintaku, M. The Detection of *Ralstonia solanacearum* in Hawaiian field soils and evaluation of composts for suppressing pathogen populations. (Poster Presentation) The American Phytopathological Society and

International Plant Protection Congress Joint Meeting. Honolulu, HI, August 2011.

*indicates presenter