Koon-Hui Wang, Ph.D.
College of Tropical Agriculture and Human Resources
Plant and Environmental Protection Sciences
FTE Distribution: 25% I; 15% R; 10 % E (50% admin)

Education

Degree	University	Major
PhD	University of Hawaii at Manoa	Plant Pathology
MS	University of Hawaii at Manoa	Horticulture
BS	National Taiwan University	Horticulture

Professional Appointments

Title	Employer	Dates Employed
PEPS Department Chair	University of Hawaii at Manoa	2017-present
Professor	University of Hawaii at Manoa	2021-present
Associate Professor	University of Hawaii at Manoa	2016-2021
Assistant Professor	University of Hawaii at Manoa	2011-2016
Assistant Researcher (non-tenure)	University of Hawaii at Manoa	2007-2011
Assistant Researcher (non-tenure)	University of Florida	2005-2007
Post doctorate	University of Florida	2001-2005

Lifetime and Fellow Achievement Awards

2023	CTAHR Excellent in Extension Team Award (as team member)
2020	CTAHR Excellent in Extension Team Award (as team leader)
2018	CTAHR Excellent in Teaching Award
2012	Syngenta Best Scientist Award, Society of Nematologists
2006	William Boright Hewitt and Maybelle Ellen Ball Hewitt Award for young scientists American Phytopathological Society

Courses Taught

Course ID and name (credits)
PEPS/TPSS 481 Weed Sciences (3 credits) 2011- present
PEPS/TPSS 410 Sustainable Plant and Soil Health Management (2 credits) – 2013-present
PEPS 495 PEPS Capstone (4 credits) 2017-2024
PEPS 660 Plant Pathology Seminar (1 credit) – rotating with TRPP Faculty

Publications (reverse chronological order, last 5 years)

Book Chapters

1. Waisen, P. and K.-H. Wang. 2022. Perspective Chapter: Capitalizing on the host suitability of brassica biofumigant crops to root-knot nematodes (Meloidogyne spp.) in agroecosystems - A review on the factors affecting biofumigation. In: Brassica - Recent Advances. InTechOpen DOI: 10.5772/intechopen.107314 (https://www.intechopen.com/online-first/83914).

Refereed Journal Publications

1. Wong, L.G.K., K.-H. Wang, R. Myers, and B.S. Sipes. 2025. Control of *Cylas formicarius* using entomopathogenic nematodes. Nematropica (in press).
2. Schloemer, C.M., S.H. Graham, K.-H. Wang, B.S. Sipes, and K.S. Lawrence. 2025. Evaluation of cover crops and biopesticides to manage *Meloidogyne incognita* on sweetpotatoes in greenhouse and microplot settings. Journal of Nematology (in press).
3. Giselle, B., M. Kantar, K.-H. Wang, J. Uyeda, A. Amjad, T. Radovich. 2025. Identifying an heirloom tomato market type through machine learning. HortTech (in press, https://doi.org/10.21273/HORTTECH05580-24).
4. Paudel, R., L. Balkwill and K.-H. Wang. 2024. Allelopathic effects of sorghum/sorghum-sudangrass hybrids against Rotylenchulus reniformis. Plant Disease (https://doi.org/10.1094/PDIS-08-24-1668-RE).

5. Pugh de los Reyes, M., K.-H. Wang, and I. Shikano. 2024. Age-dependent efficacy of putative dead-end trap crops *Barbarea verna* and *Lepidium sativum* on diamondback moth, *Plutella xylostella.* Arthropod-Plant Interactions 18: 1227–1236.
6. Pitiki, M., R. Paudel, J. Mew, and K.-H. Wang. 2024. Examining susceptibility of white clover, buckwheat, black oat and forage radish as a long-term cover crop mix to Meloidogyne incognita. Nematropica 54: 41-48 (https://journals.flvc.org/nematropica/article/view/135613).
7. Kong, A.T., Olmedo-Velarde, A., Borth, W., Wang, K.-H., Hu, J.S., and Melzer. M.J. 2023. Molecular and biological characterization of a novel tobamovirus infecting sunn hemp (*Crotalaria juncea* L.) in Hawaii. Plant Disease 107: 3106-3112 https://doi.org/10.1094/PDIS-09-22-2148-RE
8. Álvarez-Ortega, S., Subbotin, S. A., Wang, K.-H., Stanley, J. D., Vau, S., Crow, W. & Inserra, R. N. 2023. Morphological and molecular diversity among pin nematodes of the genus Paratylenchus (Nematoda: Paratylenchidae) from Florida and other localities and molecular phylogeny of the genus. Plants, 12(15): 2770. https://doi.org/10.3390/plants12152770
9. Klair D, Dobhal S, Ahmad A, Hassan ZU, Uyeda J, Silva J, Wang KH, Kim S, Alvarez AM, Arif M. 2023. Exploring taxonomic and functional microbiome of Hawaiian stream and spring irrigation water systems using Illumina and Oxford Nanopore sequencing platforms. Frontiers in Microbiology. doi: https://doi.org/10.3389/fmicb.2023.1039292
10. Budhathoki, S., B. Sipes, I. Shikano, R. Myers and K.-H. Wang. 2022. Integrating trap cropping and entomopathogenic nematode foliar sprays to manage diamondback moth and imported cabbage worm. Horticulturae, 8(11): 1073 (https://doi.org/10.3390/horticulturae8111073).
11. Wang, K.-H. P. Waisen, R. Paudel, G. Chen, S.L.F. Meyer and C.R.R. Hooks. 2022. Effects of plasticulture and conservation tillage on nematode assemblage and their relationships with nitrous oxide emission following a winter cover cropping and vegetable production system. Horticulturae 8: 728. (https://doi.org/10.3390/horticulturae8080728).
12. Olmedo-Velarde, A., P. Waisen, A.T. Kong, K.-H. Wang, J. S. Hu, and M.J. Melzer. 2022. Examination of the virome of taro plants affected by a lethal disease, the alomae-bobone virus complex, in Papua New Guinea. Viruses 2022, 14: 1410; https://doi.org/10.3390/v14071410.
13. Marquez, J., R. Paudel, B. S. Sipes, and Koon-Hui Wang. 2022. Successional effects of no-till cover cropping with black oat (*Avena olariza*) vs. soil solarization on soil health in a tropical Oxisol. Horticulturae 8: 527 (https://doi.org/ 10.3390/horticulturae8060527).
14. Pugh, M., N, Kihata, J. Uyeda, K.-H. Wang, and I. Shikano. 2022. The effects of a naturalized weed, Lepidium virginicum, on the development and behaviors of the diamondback moth and its natural enemies in Hawaii. Biological Control 173: 104994 (https://doi.org/10.1016/j.biocontrol.2022.104994).
15. Wang, K.-H., P. Waisen, A. W. Leslie, R. Paudel, S.L.F. Meyer and C.R.R. Hooks. 2022. Relationships between soil tillage systems, nematode communities and weed seed predation. Horticulturae 8: 425. https://doi.org/10.3390/horticulturae8050425.
16. Honsberger, D., J. Matsunaga, K.-H. Wang, and I. Shikano. 2022. Oomyzus sokolowskii (Hymenoptera: Eulophidae) joins the small complex of parasitoids known to attack the diamondback moth on Kauai. Hawaiian Entomological Society 54: (http://hdl.handle.net/10125/81469).
17. Silvasy, T., A.A. Ahmad, K.-H. Wang, T.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. MDPI-Agronomy 11: 2945 (https://www.mdpi.com/2073-4395/11/10/1945/pdf).
18. Paudel, R., P. Waisen, and K.-H. Wang. 2021. Exploiting the innate potential of sorghum/sorghum–sudangrass cover crops to improve soil microbial profile that can lead to suppression of plant-parasitic nematodes. MDPI-Microorganisms 9:1831 https://doi.org/10.3390/microorganisms9091831
19. Olmedo Velarde, A., P. Waisen, Kong, A., K.-H. Wang, J. Hu, and M. Melzer. 2021. Characterization of taro reovirus and its status in taro (Colocasia esculenta) germplasm from the Pacific. Archives of Virology 166: 2563-2567 (https://link.springer.com/article/10.1007/s00705-021-05108-9).
20. Waisen, P., Z. Cheng, B. S. Sipes, and K.-H. Wang. 2021. Biofumigation effects of brassicaceus cover crops on soil health in cucurbit agroecosystems. Pedosphere (accepted 6/5/2021; Manuscript ID pedos202010638; 30%).
21. Waisen, P., K.-H. Wang, J. Uyeda, and R.Y. Myers. 2021. Effects of fluopyram and azadirachtin on plant-parasitic and free-living nematodes on zucchini, tomato and sweet potato. Journal of Nematology 53:1-15 (10.21307/jofnem-2021-030).
22. Myers, R., B. Bushe, C. Mello, J. Lichty, A. Hara, B. Sipes, and K.-H. Wang. 2020. Yield Increases in burrowing nematode infested anthurium with fluopyram and trifloxystrobin applications. HortTech 30: 603-607 (doi.org/10.21273/HORTTECH04648-2).

23. Waisen, P., Z. Cheng, B.S. Sipes, J. DeFrank, S.P. Marahatta and K.-H. Wang. 2020. Effects of biofumigant crop termination methods on suppression of plant-parasitic nematodes. Applied Soil Ecology 154: (https://doi.org/10.1016/j.apsoil.2020.103595).

Conference paper (Presentation and Abstract)

1. Wang, K.-H., R. Paudel, J. Marquez, and P. Waisen. 2023. Nematode linkage to regenerative agriculture in the tropics/subtropics. Symposium "How Will Regenerative Agricultural Practices Affect Parasitic Nematode Populations?" Society of Nematologists 62nd Annual Conference, July 9-14, 2023, Columbus, Ohio.
2. Paudel, R. and K.-H. Wang. 2023. How long does it take for a low-till sorghum/sorghum-sudangrass cover cropping to improve soil health in a degraded tropical Oxisol. Society of Nematologists 62nd Annual Conference, July 9-14, 2023, Columbus, Ohio.
3. Silvester, N. P. and B. S. Sipes. 2023. Survival and infectivity of entomopathogenic nematodes from desiccated living bombs. Society of Nematologists 62nd Annual Conference, July 9-14, 2023, Columbus, Ohio.
4. Wong, L., K. -H. Wang, and B. S. Sipes. 2023. Mortality of the sweet potato weevil (Cylas formicarius) larvae caused by Steinernema feltiae. Society of Nematologists 62nd Annual Conference, July 9-14, 2023, Columbus, Ohio.
5. Pitiki, M., B. Wiseman, and K. -H. Wang. 2023. Evaluating soil health benefits of four tropical cover crops in the tropic for sweet potato production. Society of Nematologists 62nd Annual Conference, July 9-14, 2023, Columbus, Ohio.
6. Schloemer, C., K. S. Lawrence, S. H. Graham, K.-H. Wang, and B. S. Sipes. 2023. Winter cover crops and biological products to manage Meloidogyne incognita and promote soil health in sweetpotato. Society of Nematologists 62nd Annual Conference, July 9-14, 2023, Columbus, Ohio.
7. Wang, K.-H. 2023. Prescription of soil health by cover cropping. Mini Conference for Organic, Transition to Organic and Sustainable Agriculture (June 19-20, 2023, organized by A. Ahmad through Zoom, 54 participants).
8. Wong, L., K.-H. Wang, and B. S. Sipes. 2022. Infection and mortality of sweetpotato weevil (Cylas formicarius) by Hawaiian isolates of entomopathogenic nematodes, Steinernema feltiae and Oscheius sp. Society of Nematologists 61th Annual Conference, September 26-29, 2022, Anchorage, Alaska.
2. Braley, L.E. and K.-H. Wang. Papaya ground seed as a biofumigant against soil-borne pathogens in hawai'i. Society of Nematologists 61th Annual Conference, September 26-29, 2022, Anchorage, Alaska.
3. Mew, J., R. Paudel, and K.-H. Wang. Benefits of white clover as a long-term cover crop on soil health and water infiltration. Society of Nematologists 61th Annual Conference, September 26-29, 2022, Anchorage, Alaska.
4. Paudel, R. and K.-H Wang. Expediting soil health improvement effects of sorghum/sorghum-sudangrass hybrids through low-till practice in a Rotylenchulus reniformis infested soil. Society of Nematologists 61th Annual Conference, September 26-29, 2022, Anchorage, Alaska. Wang, K.-H. 2022. Establishing long-term ground cover vs mulching with long-lasting cover crop residues. NRCS STAC Partner Sharing Session, PIA. Nov 8, 2022.
5. Uyeda, J. and K.-H. Wang. 2022. Avocado Lacebug Management in Hawaii. 0126 Virtual Invasive Pest Mini-Conference. https://vimeo.com/670939003/64c3463fea.
6. Wang, K.-H. 2022. Soil health management approaches to help farmers reduce soil-borne disease problem in agroecosystems. NRCS STAC Partner Sharing Session, PIA. Jan 11, 2022 Wang, K.-H., Waisen, P., R. Paudel, S. Budhathoki and J. Uyeda. 2021. Relationships between nematode community and incidence of asparagus crown and root rot. Society of Nematologists Annual Conference, Sep 12-15, 2021.
7. Budhathoki, S., and K.-H. Wang. 2021. Strategies to enhance the efficacy of entomopathogenic nematodes for the management of diamondback moth and imported cabbageworm. Society of Nematologists Annual Conference, Sep 12-15, 2021.
8. Paudel, R. and K.-H. Wang, Screening sorghum/sorghum-sudangrass hybrids for allelopathic effects against root-knot nematodes and their potential for soil health management in a no-till agroecosystem. Society of Nematologists Annual Conference, Sep 12-15, 2021.
9. Wang, K.-H., Waisen, P., A.W. Leslie, S.L.F. Meyer and C.R.R. Hooks. 2020. Relationships between weed seed predation, soil tillage practices and nematode soil health indicators. Society of Nematologists Virtual Conference, Dec 14-18, 2020.
10. Waisen, P., S. Budhathoki, R. Paudel, J. Uyeda and K.-H. Wang. 2020. Pre-plant and in-season soil treatment with chitin rich crustacean meal suppressed Meloidogyne spp. and improved soil health and asparagus growth. Society of Nematologists Virtual Conference, Dec 14-18, 2020.

11. Paudel, R., K.-H Wang, and P. Waisen. Management of plant-parasitic nematodes and soil health using sorghum/sorghum-sudangrass hybrids as a cover crop. Society of Nematologists Virtual Conference, Dec 14-18, 2020.
12. Budhathoki, S. and K.-H. Wang. 2020. Can the efficacy of entomopathogenic nematode against diamondback moth and imported cabbage worm be improved by cultural practices? Society of Nematologists Virtual Conference, Dec 14-18, 2020.
13. Wang, K.-H. 2020. Which Sorghum/Sorghum-sudangrass hybrids have higher allelopathic toxicity against soil-borne pests? Multi-state (NE1640) Project: Plant-Parasitic Nematode Management as a Component of Sustainable Soil Health Programs in Horticultural and Field Crop Production Systems. Oct 21-22, 2020 (Online; 17 participants).

Extension Publications

1. Tay, J.-W., R. Manandhar, and K.-H. Wang. 2023. Hydrogel baits for ant control and the combined use of hydrogel baits and tanglefoot for citrus sooty mold control. CTAHR Cooperative Extension Publication IP-55. 5 pp. https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-55.pdf.
2. Braley, L., K.-H. Wang, J. Silva, T. Yan, S. Nakamoto, and W. W. Su. 2022. Repurposing papaya: Examining the potential of instant biofumigation using papaya seed waste for soil-borne disease management on leafy greens. CTAHR Cooperative Extension Publication PD-123. 7 pp.
3. Wang, K.-H. 2022. Evaluation of conventional and organic insecticides against avocado lace bug in Hawai‘i. CTAHR Cooperative Extension Publication IP 51. 6 pp.
4. Keliikuli, A., K.-H. Wang, Y. Li, and C. N. Lee. 2021. Natural Farming: Comparison of phosphorus-solubilizing and nitrogen-fixing bacteria among Korean Natural Farming (KNF), organic (ORG), and conventional (CON) farming methods. CTAHR Cooperative Extension Publication SA-21. 16 pp.

Extension Scholarly Product (Hānai‘Ai Newsletter articles)

1. Trump, A. and K.-H. Wang. 2024. Using cover crops and soil aeration to mitigate impact of phytophthora in macadamia orchards. Hānai‘Ai 54: June 2024. 7 pp.
2. Wong, L., K.-H. Wang and B.S. Sipes. 2024. Benefits of an entomopathogenic fungus, Metarhizium, for enhancing sweetpotato growth and sweetpotato weevil suppression. Hānai‘Ai 54: June 2024. 6 pp.
3. Wang, K.-H., I. Shikano, and J. Uyeda. 2024. IPM for edible crops in Hawaii. Hānai‘Ai 54: June 2024. 2 pp.
4. Wang, K.-H, Q. Cytryn, R. Paudel, and B.S. Sipes. 2024. Shelterbelt trees and cacao pollinators. Hānai‘Ai 53: March 2024.
5. Wang, K.-H., R. Paudel, J. Mew, and J. Silva. 2023. Akamai Cover Crop Mix (White clover, buckwheat, black oat): Does it benefit soil health? Hānai‘Ai 52: December, 2023.
6. Pitiki, M., B. Wiseman, L. Wong, B. Sipes, J. Silva, J. Uyeda, R. Mandhar and K.-H. Wang. 2023. Sustainable Pest and Soil Health Management for Sweet Potato Production. Hānai‘Ai 51: September 2023.
7. Wang, K.-H., and B. S. Sipes. 2023. Prescription for soil health by cover cropping in Hawaii: for annual cropping systems. Hānai‘Ai 50: June 2023.
8. Wang, K.-H., J. Mew and J. Silva. 2023. Akamai cover crop mix: How to establish? Partial cost analysis and its benefits. Hānai‘Ai 49: March 2023.
9. Wang, K.-H., B. S. Sipes, A. Ahmad and J. Uyeda. Integrated pest management against Chinese rose beetles for cacao. Hānai‘Ai 49: March 2023. 4 pp.
10. Paudel, R., L. Braley, Joshua Silva and K.-H. Wang. 2022. Subbing sunn hemp with sorghum in Fusarium soils. Hānai‘Ai Newsletter 42: December 2022.
11. Wang, K.-H. 2022. Shelterbelt trees and cacao pollinators. Hānai‘Ai Newsletter December 2022.
12. Paudel, R., S. Budhathoki, and K.-H. Wang. Revitalized degraded soil in the tropic with energy sorghum. Hānai‘Ai Newsletter 42: June 2022.
13. Catherman, H., K.-H. Wang, R. Paudel, S. Budhathoki, and C. Mogren. 2021. Pigeon pea: A multipurpose N-fixing border crop. Hānai‘Ai Newsletter 42: June 2022.
14. Wang, K.-H., S. Budhathoki, M. Pugh, I. Shikano, J. Silva, J. Uyeda and R. Manandhar. 2021. Insecticide resistance management for diamondback moth in organic farms: Integration of trap cropping, intermittent sprinkler irrigation and biological control. Hānai‘Ai Newsletter 40: Jan-Mar, 2021.
15. Waisen, P., R. Paudel, and K.-H. Wang. 2020. Soil health management and asparagus Fusarium crown and root rot. Hānai‘Ai Newsletter June-August, 2020. https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=67093&dt=3&g=12

16. Budhathoki, S., K.-H. Wang, P. Waisen, M. Meada, R. Paudel, J. Silva, R. Manandhar, J. Uyeda and B. Sipes. 2020. Using trap crops and entomopathogenic nematodes to manage caterpillar pests on head cabbage. Hānai'Ai Newsletter June-Aug 2020. https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=67098&dt=3&g=12
17. Wang, K.-H. and P. Waisen, 2020. Summer home school: Sustainable Ag Version. Hānai'Ai Newsletter June-Aug 2020. https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid= 67099&dt=3&g=12
18. Waisen, P., R. Paudel, and K.-H. Wang. 2020. An Update on Biofumigation Research in Hawaii: The equipment matters! Hānai'Ai Newsletter March-May, 2020.

Creative Works (i.e., Extension Videos, Websites, Blogs, Creative Designs and Exhibitions, etc.)
https://www.ctahr.hawaii.edu/sustainag/leaders/wang.html
Cover Crop Plant-Available Nitrogen App (https://oahurcd.org/cover-crop-calculator/) or at https://cccpan.aaronfujimoto.com/

Videos:
1. Cytryn, Q. 2023. Vermicompost worm harvester. https://www.youtube.com/watch?v=sXdPYnUuZwc&t=18s
2. Paudel, R. and K.-H. Wang. 2023. Soil health improvement effects of sorghum/sorghum-sudangrass hybrids through low-till practice. https://youtu.be/iCb9xFQjY2Y.
3. Budhathoki, S., K.-H. Wang, Paudel, R., J. Mew. 2021. Papaya air layering.
4. Paudel, R., S. Budhathoki and K.-H. Wang. 2021. Revitalized degraded soil in the tropic with energy sorghum (https://www.youtube.com/watch?v=hbCSWttx8_A&t=16s).
5. Catherman, H., K.-H. Wang, R. Paudel, S. Budhathoki, and C. Mogren. 2021. Pigeon pea: a multipurpose N-fixing border crop.
6. Autufuga, D., W. Honda, R. Paudel, S. Pennington, J. Sugano and K.-H. Wang. 2020. Soil health demo video for International Year of Plant Health. https://www.youtube.com/watch?v=XrdYbhQnVAc&t=5s
7. Meada, M., S. Budhathoki, and K.-H. Wang. 2020. Diamondback moth video for International Year of Plant Health. https://www.youtube.com/watch?v=8kX17FeFM_E

Public Media
1. Graham, S., A. Scherer, K. Lawrence, C. Schloemer, L. Wong, M. Pitiki, N. Sylvester, and K.-H. Wang. 2023. Aloha from Alabama Extension! The Alabama Crops Report Podcast Season 3 Episode 11 (September 14, 2023). https://www.aces.edu/blog/podcast/season-3-episode-11-aloha-from-alabama-extension/
2. NE2140 Team. 2023. Sustainable Nematode Management. Multistate Research Fund Impacts. https://www.mrfimpacts.org/single-post/sustainable-nematode-management.
3. Wang, K.-H. Oct 19, 2022. Use of cover crops for management of plant-parasitic nematodes. 'In The Garden, On The Farm' show. Wednesdays 12-1pm HST Kaua`i Community Radio KKCR, Hanalei KAQA Kilauea K284AL, Haleiwa. Broadcast on 91.9 FM Kaua`i Island-wide, 90.9 FM Hanalei/Princeville, 92.7 FM Anahola/Moloa`a, 104.7 FM Haleiwa, O`ahu, 95.1 cable. (Interviewed by Paul Massey).
4. Portia Stewart. America's Conservation Ag Movement: Screenhouses boost marketable yields for farmers. Agweb, Farm Journal Jun 17, 2020. https://www.agweb.com/article/screenhouses-boost-marketable-yields-farmers.

Leadership Roles (Committees, Boards, Advisory, etc.)
Human Nutrition Search Committee 2025
CTAHR Administrative Director Search Committee 2024
Food Chemistry search committee 2024
Society of Nematologists (SON) Vice President 2023, President Elect 2024, President 2025
(SON Long Range Planning Committee, Cobb Foundation Board, Meeting Site Selection Committee)
PEPS Department Chair 2017-present
Editor for Journal of Nematology (2016-2022)
GoFarm Advisory Panel (2012- present)

Graduate Students

Category	Current Number of Students	Number Graduated (Career)
Chair of Master's Committees	2	9
Chair of PhD Committees	3	5
Member of Master's Committees	4	25

Member of PhD Committees	5	4

Grant Support

Extra-mural Grants (last 5 years)

1. Wiseman, B., K.-H. Wang, T. Le. 2024-2026. Integrating the farmer into pest management innovation for sweetpotatoes. WSARE Graduate Student Grant GW24-006. $30,000.
2. Wang, K.-H., J. Silva, J. Uyeda, H. Lutgen, J. Bloese, R. Manandhar, and R. Gutierrez-Coarite. 2023-2027. Regenerating soil health through shelterbelt planting, sheet mulching and tree mulch plant-available nitrogen calculator. NRCS On-Farm Trial (waiting for execution). $771,442.
3. Wang, K.-H., J. Silva, J. Uyeda, T. Radovich, d. Elliot. 2022. Western Cover Crop Council Outreach Grant. U.S. USDA NIFA 2018-38640-28418 through Western SARE (WESP 19-01). $10,000.
4. Wang, K.-H. and L. Braley. 2022-2024. Examining the biofumigation and innate potential of ground papaya seeds to induce host plant resistance against soil-borne pathogens in Hawaii. WSARE Graduate Student Grant GW22-233 ($29,348).
5. Sipes, B.S., K.-H. Wang, and R. Manandhar. 2022. Entomopathogenic bombs — sweet potato weevils be gone. WSARE R&E 2022-2025, $350,000.
6. Silva, J., K.-H. Wang, Melzer, M. 2022. Protecting Hawaii's Chinese cabbage, mustard greens and Brassica industry from new soil-borne bacterial, fungal, and viral diseases. Jan 2022-Aug 2023. SCBGP-HDOA $38,386.
7. Ahmad, A. and K.-H. Wang. 2020. Revitalizing the Banana Industry in Hawaii with Disease Free and Resistant Varieties. Dec. 2020-Dec. 2021. SCBGP-HDOA $25,000.
8. Yamamoto, J. Wang, et al. 2020-2022. ANNH GoFarm Hawaii: Training new farmers and growing agribusiness in Hawaii, FY2020. USDA NIFA Beginning Farmer and Rancher Development Program. $450,000.
9. Wang, K.-H, R. Paudel, J. Silva, A. Ahmad. 2020-2022. Evaluate sorghum and sorghum-sudangrass hybrids as soil builders and microbial enhancer crops in the tropic. WSARE (GW20-212) $25,000.
10. Yamamoto, J., Wang, K.-H. et al. 2020-2023. BFRDP GoFarm Hawaii: Growing Beginning Farmers in Hawaii. USDA NIFA Beginning Farmer and Rancher Development Program. $600,000.
11. Wang, K.-H., B.S. Sipes, J. Sugano, J. Uyeda, A. Ahmad. 2020-2022. Promoting cacao (Theobroma cacao) production in Hawaii through Ecosystem Sustainable and Integrated Pest Management (ES-IPM) approaches. HDOA SCBG. $35,000.
12. Shikano, I., Wang, K.-H., Gutierrez-Coarite, R., Silva, J. & Manandhar, R. 2021-2022. Assessing dead-end trap crops for the management of Diamondback Moths in Hawaii, Hawaii Department of Agriculture, Specialty Crop Block Grant Program (HDOA SCBGP). $35,000.
13. Su, W., K.-H. Wang et al. 2020-2023. Instant biofumigation using natural products from papaya seed waste for sustainable management of soil-borne plant pathogens. WSARE $349,995 (my share of budget $142,482).

Intramural Grants

14. Yan, T., W. Su, K.-H. Wang, Z. Wang, and X. Geng. 2024-2026. Advancing water reuse for agricultural irrigation and wildfire mitigation under the changing climate for water-stressed leeward coastal rural communities. UHM Provost Strategic Initiative Grant. $296, 250.

Google Scholar: https://scholar.google.com/citations?user=icIwkooAAAAJ&hl=en&oi=ao