Roshan Manandhar
College of Tropical Agriculture and Human Resources
Department of Plant and Soil Sciences
FTE Distribution: 0%I; 0%R; 100%E

Education

Degree	University	Major
PhD	University of Hawaii (UH) at Manoa	Entomology
MS	UH at Manoa	Entomology
BS	Odhisha University of Ag. And Tech.	Agriculture
BS	Tribhuvan University	Statistics, Math, Physics

Professional Appointments

Title	Employer	Dates Employed
Assistant Extension Agent	University of Hawaii	2018 to Present
Vector Control Entomologist	Hawaii Department of Health	2017 to 2018
Research Support	University of Hawaii	2016 to 2017
Post-doctoral Fellow	Lincoln University of Missouri	2013 to 2015
Graduate Research Assistant	University of Hawaii	2005 to 2013
Technical Officer	Nepal Agricultural Research Council	1998 to 2004

Courses Taught

Course ID and name (credits)
N/A

Publications (reverse chronological order)

Books
N/A

Book Chapters
N/A

Conference Proceedings

Perez, E. A., Hooks, C. R. R., Wang, K-H., Wright, M. G., Almeida, R. P. P. and ***Manandhar, R.*** 2008. The virulence of *Banana bunchy top virus* in banana plants after injection with a bananacide. Phytopathology 98 (6): S124-S124.

Refereed Journal Publications

Roy, K., Dunkle E. J., ***Manandhar, R.***, Clark, M., Magnacca, K., Harshman, and Peck, R. W. (2024). Ambrosia beetles (Coleoptera: Curculionidae and Platyponidae) associated with Rapid ʻŌhiʻa Death and mixed *Metrosideros polymorpha* forests on the island of Kauaʻi, HI. Proceedings of Hawai'ian Entomological Society 56, 61-71.

Stockton, D., Kraft, L., Dombrowski, P., Doucette, L., Bousch, M., Gutierrez-Coarite, R., ***Manandhar, R.***, Uyeda, J., Silva, J., Hawkins, J. and Shikano, I. (2024). Persistence of widespread moderate Spinosad resistance among wild melon fly (*Zeugodacus cucurbitae*) and oriental fruit fly (*Bactocera dorsalis*) populations on the major Hawaiʻian islands. Pest Management Science 2024 (1-7).

Budhathoki, S., Sipes, B. S., Shikano, I., Myers, R. Y., ***Manandhar, R.*** and Wang, K-H. 2022. Integrating trap cropping and entomopathogenic nematode foliar sprays to manage diamondback moth and imported cabbage worm. Horticulturae 8, 1073.

Manandhar, R., Li, J. and Cheng, Z. 2020. Survey of entomopathogenic nematodes in various landscape systems on Oahu, and their pathogenicity against coconut rhinoceros beetle (Coleoptera: Scarabaeidae). Nematropica 50: 36-44.

Pinero, J. C. and ***Manandhar, R.*** 2020. Ant attendance and arthropod diversity on elderberry extrafloral nectaries are influenced by plant genotype and pruning method. Arthropod-Plant Interactions 14: 595-604.

Cheng Z., Kellar M., Bhandari, B. and ***Manandhar R.*** 2018. Lobate lac scale (*Paratachardina pseudolobata*) invades from Oahu to neighbor island. Proceedings of Hawaiian Entomological Society 50: 1-8.

Manandhar, R., Wang, K-H., Hooks, C. R. R. and Wright M. G. (2017). Effects of strip-tilled cover cropping on the population density of thrips and predatory insects in a cucurbit agroecosystem. Journal of Asia-Pacific Entomology 20: 1254-1259.

Manandhar, R. and Wright, M. G. (2016). Within-field spatial distribution patterns of corn planthopper, *Peregrinus maidis*, and severity of hopperburn and Maize mosaic virus symptoms as influenced by sunn hemp intercropping. Entomologia Experimentalis et Applicata 161: 121-130.

Manandhar, R. and Wright, M. G. (2016). Effects of interplanting flowering plants on biological control of corn earworm (Lepidoptera: Noctuidae) and thrips (Thysanoptera: Thripidae) in sweet corn. Journal of Economic Entomology 109: 113-119.

Pinero, J. C. and ***Manandhar, R.*** (2015). Effects of increased crop diversity using trap crops, flowering plants and living mulches in vegetable insect pests. Trends in Entomology 11: 1-19.

Manandhar, R. and Wright, M. G. (2015). Enhancing biological control of corn earworm, *Helicoverpa zea* and thrips through habitat management and inundative release of *Trichogramma pretiosum* in corn cropping systems. Biological Control 89: 84-90.

Manandhar, R. and Hooks, C. R. R. (2011). Using protector plants to reduce the incidence of *Papaya ring spot virus* – watermelon strain in zucchini. Environmental Entomology 40: 391-398.

Hooks, C. R. R., Wang, K-H., Pradhan, N. C., ***Manandhar, R.***, Wright, M. G. and Vorsino, A. (2011). Population distribution of *Pentalonia nigronervosa* (Hemiptera: Aphididae) within banana mats: Influence of plant age and height on sampling and management. Journal of Economic Entomology 104: 947-955.

Hooks, C. R. R., ***Manandhar, R.***, Perez, E. A., Wang, K-H. and Almeida, R. P. P. (2009). Comparative susceptibility of two banana cultivars to *Banana bunchy top virus* under laboratory and field environments. Journal of Economic Entomology 102: 897-904.

Hooks, C. R. R., Fukuda, S., Perez, E. A., ***Manandhar, R.***, Wang, K-H., Wright, M. G. and Almeida, R. P. P. (2009). Aphid transmission of *Banana bunchy top virus* to banana after treatment with a bananacide. Journal of Economic Entomology 102: 493-499.

Manandhar, R., Hooks, C. R. R. and Wright, M. G. (2009). Influence of cover crop and intercrop systems on *Bemisia argentifollii* (Hemiptera: Aleyrodidae) infestation and associated squash silveleaf disorder in zucchini. Environmental Entomology 38: 442-449.

Hooks, C. R. R., Wright, M. G., Kabasawa, D. S., ***Manandhar, R.*** and Almeida, R. P. P. (2008). Effect of *Banana bunchy top virus* infection on morphology and growth characteristics of banana. Annals of Applied Biology 153: 1-9.

Extension Publications

Manandhar, R. 2024. A new papaya scale in Hawai‘i: Oriental Yellow Scale, *Aonidiella orientalis*. CTAHR Extension Publication IP-59.

Manandhar R. 2024. A survey of Medfly parasitoids in the Kaua‘i Coffee Farm. Hānai‘Ai Newsletter Vol 55, July-Sept 2024.

Manandhar, R. and Tay, J-W. 2023. Enhancing ant-termite interactions to protect citrus trees from Forest tree termite damage. CTAHR Extension Publication IP- 58.

Manandhar, R. 2023. Invasive Pest Conference, 2023: a glimpse. Hānai‘Ai Newsletter Vol 51, July-Sept 2023.

Pitiki, M., Wiseman, B., Wong, L., Sipes, B., Silva, J., Uyeda, J., ***Manandhar, R.*** and Wang, K-H. 2023. Sustainable pest and soil health management for sweetpotato production. Hānai‘Ai Newsletter Vol 51, July-Sept 2023.

Tay, J-W., ***Manandhar, R.*** and Wang, K-H. 2023. Hydrogel baits for ant control and the combined use of hydrogel baits and tangle foot for Citrus sooty mold control. CTAHR Extension Publication IP-55.

Manandhar, R. 2023. Hawai‘i Invasive Pest Communication and Networking. CTAHR Cooperative Extension Impact Statement.

Manandhar R., Gu, T. and Wang, K-H. 2022. Farmer driven sweetpotato weevil IPM using UNI-traps. Submitted to Hānai‘Ai Newsletter Vol 48, October-December 2022.

Manandhar R. 2022. A long-term evaluation of fungicides to manage the Black spot disease of papaya. Hānai‘Ai Newsletter Vol 47, July-September 2022.

Manandhar R., Kahaunaela, R. and Kaneshige, C. 2022. Survey of Coffee berry borer for early detection and to minimize its spread at Moloaa Bay Coffee Farm. Hānai‘Ai Newsletter Vol 46, April-June, 2022.

Manandhar, R., Keach, J. and Kirk, E. 2022. Three promising sweet potato varieties for Kaua‘i from a 2019 trial. Hānai‘Ai Newsletter Vol 45, Janaury-March 2022.

Lau, T., Ahmad, A., Hauck, E., ***Manandhar, R.*** and Sugano, J. 2022. Collective action for control of invasive species on Windward Oahu. Extension Publication, IP-53.

Gutierrez-Coarite, R., Uyeda, J., Silva, J., Tavares, K., ***Manandhar, R.***, Kirk, E., Shimabuku, R., Mau, R. and Perez, R. 2022. Diamondback moth insecticide resistance management Program. CTAHR Cooperative Extension Impact Statement.

Wang, K-H., Budhathoki, S., Pugh, M., Shikano, J., Uyeda, J., ***Manandhar, R.*** and Sipes, B. 2021. Insecticide resistance management for diamondback moth in organic farms: Integration of trap cropping, intermittent sprinkle irrigation and biological control. Hānai‘Ai Vol 41, Janaury-March.

Budhathoki, S., Wang, K-H., Waisen, P., Poudel, R., Silva, J., ***Manandhar, R.***, Uyeda, J. and Sipes, B. 2020. Using trap crops and entomopathogenic nematodes to manage caterpillar pest on head cabbage. Hānai'Ai Newsletter Vol 38, April-May.

Manandhar, R. and Pinero, J. C. 2015. Aphid pests of cole crops in Missouri. Lincoln University Cooperative Extension, Fact Sheet #18-H-2015.

Manandhar, R. and Pinero, J. C. 2015. The pest caterpillars of cole crops in Missouri - I. Identification and life cycle. Lincoln University Cooperative Extension, Fact Sheet #18-F-2015.

Manandhar, R. and Pinero, J. C. 2015. The pest caterpillars of cole crops in Missouri - II. Management. Lincoln University Cooperative Extension, Fact Sheet #18-H-2015.
Manandhar, R. and Pinero, J. C. 2015. The Harlequin Bug. Lincoln University Cooperative Extension, Fact Sheet #18-F-2015. The Harlequin Bug. Lincoln University Cooperative Extension, Fact Sheet # 18-E-2015.

Hooks, C. R. R., Chandara, K., Fallon, D., Wang, K-H and ***Manandhar, R.*** 2007. The impact of sunn hemp cover cropping on belowground organisms and nutrient status associated with a cucumber planting. CTAHR Extension Publication, SCM -21.

Creative Works (ex. Extension Videos, Websites, Blogs, Creative Designs and Exhibitions, etc.)
MyIPMHawai'i Cell phone App - Fact sheets on IPM
Hawai'i Invasive Pest Channel, A YouTube channel with all Invasive Pest Mini-conference Videos

Leadership Roles (Committees, Boards, Advisory, etc.)
Member, Search Committee for an extension agent, Department of Plant and Environmental Protection Sciences (2023-2024)
Chair, Search Committee for Research Technician, Kauai Agricultural Research Station (2023)
Chair, Kaua'i Invasive Species Committee (2021-2022)
Member, Early Detection and Rapid Response Working Group (2020-present)
Member, Search Committee for Junior/Assistant Extension Agent (Ornamental and Landscape) (2018 & 2019)
Member, Search Committee for Kauai County Administrator (2019)
Member, Rapid Ohia Death Working Group (2018-present)
Member, Rose-ringed Parakeet Working Group (2018-present)
Coordinator, Invasive Pest Working Group (2018-present)
Member, Mamalu Poepoe Working Group (2017-present)

Graduate Students

Category	Current Number of Students	Number Graduated (Career)
Chair of Master Committees	0	2

Grant Support
Title of Grant: Hawai'i Integrated Pest Management program for Diamondback moth and other lepidopteran pests on crucifers.
Source of Grant: Hawai'i Department of Agriculture, Specialty Crop Block Grant
Total Dollar Value: $50,000
Dates of Grant: 2024-2026
Role: Co-PI

Title of Grant: Comparing Production of Melons Using Field and Protected Methods under Hawai‘i’s Conditions.
Source of Grant: Hawai‘i Department of Agriculture, Specialty Crop Block Grant
Total Dollar Value: $40,000
Dates of Grant: 2023-2025
Role: Co-PI

Title of Grant: Regenerating soil health through shelterbelt planting, sheet mulching and tree mulch plant-available nitrogen calculator.
Source of Grant: Natural Resource Conservation Services
Total Dollar Value: $771,442
Dates of Grant: 2023-2027
Role: Co-PI

Title of Grant: Hawaii Invasive Pest Communication and Networking.
Source of Grant: Extension Group POW
Total Dollar Value: $71,000
Dates of Grant: 2023-2027
Role: PI

Title of Grant: Educating Hawai‘i’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: $99,999
Dates of Grant: 2023-2024
Role: Co-PI

Title of Grant: Entomopathogenic Bombs – Sweet Potato Weevils be gone
Source of Grant: Western IPM
Total Dollar Value:
Dates of Grant: 2022-2025
Role: Co-PI

Title of Grant: Improving CTAHR’s language access to support a more inclusive extension system in Hawaii
Source of Grant: USDA-NIFA
Total Dollar Value: $743,667
Dates of Grant: 2022-2025
Role: Co-PI

Title of Grant: A unified proposal for National Clean Plant Network – Sweet Potato
Source of Grant: National Clean Plant Network, USDA, APHIS
Total Dollar Value: $34,000
Dates of Grant: 2022-2023
Role: Co-PI

Title of Grant: Coordinated approach of Coffee Leaf Rust management
Source of Grant: Specialty Crop Research Initiative
Total Dollar Value: $549,289
Dates of Grant: 2021-2025
Role: Co-PI

Title of Grant: Organic Sweet Potato IPM and soil health management for small and mid-size farm
Source of Grant: Organic Agriculture Research and Extension Initiative, USDA, NIFA
Total Dollar Value: $7,50,000
Dates of Grant: 2021-2024
Role: CO-PI

Title of Grant: Improving CTAHR's language access to support a more inclusive extension system in Hawai‘i.
Source of Grant: Extension Group POW
Total Dollar Value: 74,000
Dates of Grant: 2021-2023
Role: Co-PI

Title of Grant: Assessing and developing active management strategies for ambrosia beetle associated Rapid ‘Ōhi‘a Death.
Source of Grant: SSP Funding, FWS Region 1
Total Dollar Value: $80,108
Dates of Grant: 2020-2022
Role: Co-PI

Title of Grant: Hawai‘i integrated pest management program for Diamondback moth and other lepidopteran pests on crucifers.
Source of Grant: Hawai‘i Department of Agriculture, Specialty Crop Block Grant
Total Dollar Value: $46,400
Dates of Grant: 2019-2022
Role: Co-PI

Title of Grant: Enhancing biological control of citrus sooty mold complex with a novel control technology using entomopathogenic nematode-water storing hydrogels in IPM approach.
Source of Grant: Western IPM
Total Dollar Value: $30,000
Dates of Grant: 2021-2022
Role: Co-PI

Title of Grant: Assessing dead-end trap crops for the management of diamondback moth in Hawai‘i.
Source of Grant: Hawai‘i Department of Agriculture, Specialty Crop Block Grant
Total Dollar Value: $39,867
Dates of Grant: 2021-2022
Role: Co-PI

Title of Grant: Kaua‘i Coffee Berry Borer response.
Source of Grant: Office of Economic Development, Kaua‘i County
Total Dollar Value: $40,000
Dates of Grant: 2021-2022
Role: Co-PI

Title of Grant: The Pacific Food Safety Center: Supporting Small, Disadvantaged Farmers to Comply with Food Safety Requirements.
Source of Grant: CTAHR Supplemental Funding
Total Dollar Value: $60,000
Dates of Grant: 2019-2022

Role: Co-PI

Title of Grant: Implementing Integrated Pest Management (IPM) strategies to manage key insect pests of vegetables on small immigrant farms of Kauaʻi.
Source of Grant: USDA-NIFA
Total Dollar Value: $4,500
Dates of Grant: 2019-2023
Role: PI

Title of Grant: Invasive species extension and management
Source of Grant: Extension POW
Total Dollar Value: $4,500/year
Dates of Grant: 2019-2023
Role: PI

Title of Grant: CTAHR Extension faculty communication on current invasive pest concerns and research.
Source of Grant: Extension Group POW
Total Dollar Value: 63,350
Dates of Grant: 2019-2023
Role: PI

Title of Grant: Insecticide resistance management for diamondback moth in organic farms: from manipulating insect behavior and biological control to push and pull strategies.
Source of Grant: CTAHR Team Science Concept Note
Total Dollar Value: 80,000
Dates of Grant: 2019-2020
Role: Co-PI

Title of Grant: Hands-on Integrated Pest Management Education.
Source of Grant: USDA-NIFA
Total Dollar Value: $6,000
Dates of Grant: 2019
Role: Co-PI

Title of Grant: Immigrant farmer support program – translation services (Pesticide Education).
Source of Grant: State Legislature Grant
Total Dollar Value: $25,000
Dates of Grant: 2019
Role: PI

Title of Grant: Immigrant farmer support program – translation services (Farm Food Safety).
Source of Grant: $25,000
Total Dollar Value: State Legislature Grant
Dates of Grant: 2019
Role: Co-PI

Title of Grant: Sweet potato variety trial.
Source of Grant: State Legislature Grant
Total Dollar Value: $9,000
Dates of Grant: 2019

Role: PI

Presentations at Conferences
Title: On-going efforts to control and manage invasive species
Authors: Panel discussion with Wright, M., Price, M. and Montgomery, M.
Name of Conference: CTAHR Conference
Location: Honolulu, Hawai‘i
Date of Presentation: April 10-11, 2023

Title: Hawai‘i Invasive Species Extension: Detections, Rapid Responses and Communication
Authors: *Manandhar, R.*
Name of Conference: Pacific Branch Entomological Society of America
Location: Salt Lake City, UT
Date of Presentation: March 30-April 2, 2025

Title: Research update on management of Coconut rhinoceros beetle (*Oryctes rhinoceros*) in Hawai‘i
Authors: Cheng, Z.*, Russo, M., ***Manandhar, R.*** and Li, J.
Name of Conference: Pacific Entomological and Botanical Meeting
Location: Honolulu, Hawai‘i
Date of Presentation: December 7-9, 2023

Title: Hawai‘i Invasive Pest Communication and Networking.
Authors: ***Manandhar, R.****
Name of Conference: Invasive Pest Conference
Location: Honolulu, Hawai‘i
Date of Presentation: August 9-10, 2023

Title: Hawai‘i Integrated Pest Management Program for Diamondback Moth: Pesticide Resistance Management.
Authors: Gutierrez-Coarite R.*, Tavares, K., Uyeda, J., Silva, J., Kirk, E. and ***Manandhar, R.***
Name of Conference: Invasive Pest Conference
Location: Honolulu, Hawai‘i
Date of Presentation: August 9-10, 2023

Title: *Phythopthora cinnamomi* and *Phytophthora helicoides* are associated with avocado root rot in Hawai‘i.
Authors: Adhikari, A.*, ***Manandhar, R.***, Wages, S. and Tian, M.
Name of Conference: American Phytopathology Society Conference
Location: Denver, Colorado
Date of Presentation: August 12-16, 2023

Title: Role of parasitoids for corn earworm management on hemp
Authors: Shrestha, G., Kafle, B. D*., Hilton, R. J., ***Manandhar, R.*** and Fadamiro, H. Y.
Name of Conference: Entomological Society of America (ESA)
Location: Vancouver, Canada
Date of Presentation: November 13-16, 2022

Title: Plants, pests and community: The UH CTAHR extension program.
Authors: ***Manandhar, R****
Name of Conference: Hawaii Invasive Species Awareness Month
Location: Virtual

Date of Presentation: February 23, 2021

Title: Coconut rhinoceros beetle (*Oryctes rhinoceros*) and its management effort on Oahu in Hawaii
Authors: Cheng, Z.*, Kellar, M., Hara, A. H. and ***Manandhar, R.***
Name of Conference: International Congress of Entomology
Location: Orlando, Florida
Date of Presentation: September 25-30, 2016

Title: Survey of entomopathogenic nematodes on Oahu: potential for biological control of coconut rhinoceros beetle
Authors: ***Manandhar, R.****, Kellar, M. and Cheng, Z.
Name of Conference: Pacific Branch Entomological Society of America (PBESA)
Location: Honolulu, Hawaii
Date of Presentation: April 3-6, 2016

Title: Evaluation of trap crops for their attractiveness to the key caterpillar pest complex and the harlequin bug in cole crops
Authors: ***Manandhar, R.**** and Pinero, J. C.
Name of Conference: ESA
Location: Minneapolis, Minnesota
Date of Presentation: November 15-18, 2015

Title: Arthropod abundance and diversity on elderberry extrafloral nectaries is influenced by cultivar and pruning methods.
Authors: ***Manandhar, R.**** and Pinero, J. C.
Name of Conference: ESA
Location: Portland, Oregon
Date of Presentation: November 16-19, 2014

Title: Incidence of MMV and MCMV in corn, in relation to within-field activity of their vector insects as influenced by sunn hemp intercropping
Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: ESA
Location: Portland, Oregon
Date of Presentation: November 16-19, 2014

Title: Augmentative- and conservation biological control of corn earworm, *Helicoverpa zea* in Hawaii
Authors: ***Manandhar, R.*** and Wright, M. G.*
Name of Conference: PBESA
Location: Tucson, Arizona
Date of Presentation: April 6-9, 2014

Title: Enhancing bio-control agents of *Helicoverpa zea* and thrips through incorporating floral resources in corn - cover crop intercropping systems
Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: International Symposium on Biological Control of Arthropods
Location: Pucon, Chile
Date of Presentation: March 4-8, 2013

Title: Examining the spatio-temporal distribution pattern of corn planthopper, *Peregrinus maidis* in corn – sunn hemp cropping system and corn monoculture

Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: ESA
Location: Knoxville, Tennessee
Date of Presentation: November 11-14, 2012

Title: Spatio-temporal distribution pattern of corn planthopper, *Peregrinus maidis* in corn-sunn hemp intercropping system
Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: CTAHR Symposium
Location: UH Manoa
Date of Presentation: April 13-14, 2012

Title: *Helicoverpa* Management: problems and prospects in Nepal
Authors: **Manandhar, R.*** and Pandey, R. R.
Name of Conference: ESA
Location: Reno, Nevada
Date of Presentation: November 13-16, 2011

Title: Parasitism and predation of corn earworm (*Helicoverpa zea*) eggs in corn - sunn hemp cropping system and corn monoculture with release of *Trichogramma* in corn
Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: ESA
Location: Reno, Nevada
Date of Presentation: November 13-16, 2011

Title: Cover crop as a habitat manipulation technique to enhance conservation biological control in corn
Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: CTAHR Symposium
Location: UH Manoa
Date of Presentation: April 8-9, 2011

Title: Effects of cover crops on parasitism of *Helicoverpa zea* and occurrence of *Orius* spp. on corn intercropping systems
Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: PBESA
Location: Kona, Big Island
Date of Presentation: March 27-30, 2011

Title: Use of strip-till cover crop system to manipulate above and below ground organisms in cucurbit plantings
Authors: Wang, K-H.*, Hooks, C. R. R., Marahatta, S. P. and ***Manandhar, R.***
Name of Conference: American Phytopathology Society
Location: Charlotte, North Carolina
Date of Presentation: August 7-11, 2010

Title: Using cover crops to manipulate densities of corn planthoppers and reduce its associated damage symptoms in corn – cover crop intercropping systems
Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: ESA
Location: San Diego, California

Date of Presentation: December 9-12, 2010

Title: Effects of cover crops on population densities of corn planthoppers and incidence of Maize mosaic virus (MMV) in corn plantings
Authors: ***Manandhar, R.**** and Wright, M. G.
Name of Conference: CTAHR Symposium
Location: UH Manoa
Date of Presentation: April 9-10, 2010

Title: Effects of sunn hemp and marigold living mulches on population densities of thrips and mites in a cucumber agroecosystem
Authors: ***Manandhar, R.****, Hooks, C. R. R., Wang, K-H. and Wright, M. G.
Name of Conference: Pacific Entomology Conference
Location: Honolulu, Hawaii
Date of Presentation: February 18-19, 2009

Title: Population densities of mixed species of thrips on cucumber in sunn hemp and marigold living mulches agroecosystems
Authors: ***Manandhar, R.****, Hooks, C. R. R., Wang, K-H. and Wright, M. G.
Name of Conference: CTAHR symposium
Location: UH Manoa
Date of Presentation: April 3-4, 2009

Title: Effects of barrier plants on the occurrences of aphid transmitted non-persistent virus in zucchini
Authors: ***Manandhar R.**** and Hooks, C. R. R.
Name of Conference: CTAHR symposium
Location: UH Manoa
Date of Presentation: April 11-12, 2008

Title: The effects of cover crops and intercrops on nutrient cycling arthropods, weeds, and plant parasitic nematode
Authors: Wang, K-H.*, Hooks, C. R. R. and ***Manandhar, R.***
Name of Conference: ESA
Location: San Diego, California
Date of Presentation: December 2007

Title: Integrating mixed cropping and living mulches into vegetable production systems.
Authors: Hooks, C. R. R.* and ***Manandhar R.***
Name of Conference: ESA
Location: San Diego, California
Date of Presentation: December 2007

Title: Evaluation of barrier plants for protecting zucchini from non-persistently aphid transmitted virus
Authors: ***Manandhar, R.**** and Hooks, C. R. R.
Name of Conference: ESA
Location: San Diego, California
Date of Presentation: December 2007

Title: Preliminary investigation of nematodes inhabiting banana fields in Hawaii and their management options
Authors: Wang, K-H.*, Hooks, C. R. R. and ***Manandhar, R.***

Name of Conference: Annual Hawaii Banana Industry Association Conference (AHBIAC)
Location: Honolulu, Hawaii
Date of Presentation: August 24, 2007

Title: The virulence of Banana bunchy top virus in banana plants after injection with a bananacide
Authors: Hooks, C. R. R.*, Fukuda, S., Perez, E. A., Kabasawa, D., Wright, M. G., ***Manandhar, R.***, Wang, K-H. and Almeida, R. P. P.
Name of Conference: AHBIAC
Location: Honolulu, Hawaii
Date of Presentation: August 24, 2007

Title: Comparative susceptibility of banana cultivars Dwarf Brazilian and Williams to Banana bunchy top virus
Authors: Hooks, C. R. R.*, Wright, M. G., ***Manandhar, R.***, Perez, E. A., Anhalt, M., Wang, K-H. and Almeida, R. P. P.
Name of Conference: AHBIAC
Location: Honolulu, Hawaii
Date of Presentation: August 24, 2007

Title: The influence of Banana bunchy top virus infection on the morphology and growth of banana
Authors: Hooks, C. R. R.*, Wright, M. G., Kabasawa, D., ***Manandhar, R.*** and Almeida, R. P. P.
Name of Conference: AHBIAC
Location: Hilo, Hawaii
Date of Presentation: August 25, 2006

Title: Cultural management of insect-pests: using barrier crops to protect against non-persistently transmitted virus
Authors: ***Manandhar, R.**** and Hooks, C. R. R.
Name of Conference: CTAHR Symposium
Location: UH Manoa
Date of Presentation: April 1-2, 2005