

Héctor R. Valenzuela
College of Tropical Agriculture and Human Resources
Department of Plant and Environmental Protection Sciences
FTE: 15% I, 20% R, 65% E

<https://scholar.google.com/citations?user=ygBoKkMAAAAJ&hl=en&oi=ao>
<https://www.researchgate.net/profile/Hector-Valenzuela-7>

Education:

<u>Degree</u>	<u>University</u>	<u>Major</u>
Bachelors	Washington State University	Agronomy
Masters	Washington State University	Horticulture/IPM
PhD	University of Florida	Vegetable Crops

Professional Appointments:

Professor and Vegetable Crops State Extension Specialist	2000-present
Dept. of Plant and Environmental Protection Sciences	
Dept. of Tropical Plant and Soil Sciences, Cooperating Graduate Faculty	
Dept. of Natural Resources and Environmental Management (affiliate)	
CTAHR, Cooperative Extension Service, University of Hawaii at Manoa	

Programmatic Leadership in Outreach/ Extension

- Associate Editor, Bragantia Journal, Brazil, (2015-present)
- Topic Editor and Member of Reviewer Board, Journal Sustainability, MDPI (Impact 2.075)
- Reviewed over 3100 refereed publications and/or project proposals.
- Reviewed refereed manuscripts for over 30 different scientific journals.
- Gave over 490 invited presentations in area of Crop Production, Agroecology & Sustainability.
- Authored over 590 scholarly, technical and educational publications.
- Conducted 120 workshops or field days in area of Crop Production, Organic Farming and Agroecology.
- Conducted over 280 field research experiments on Agroecology and Vegetable Crops Production Technology.
- Participated in over 20 International Assignments
- Established the first long-term Organic Research plots in Hawaii and the Pacific Region, 1993-present

Courses Taught

Course Number and Title (credits)

PEPS 310/SUST 320 Agriculture & Environment, Spring Semester (3), 2019-2025

Publications

Have authored over 600 technical, educational, and extension publications.

Publications: Critical Reviews of the Literature (Critical Reviews on Agroecology and Sustainable Crops production)

Crop Production Technology for Hawaii and the Tropics

1. Valenzuela, H.R., R. Hamasaki, and Steve Fukuda. 1994. Field cucumber production guidelines for Hawaii. Univ. Hawaii Coop. Ext. Serv. RES 151. (24 citations and over 6,400 reads on RG, by Nov. 2024)
2. Hamasaki, R.T., H.R. Valenzuela, Dick M. Tsuda, and J.Y. Uchida. 1994. Basil production guidelines for Hawaii. Univ. Hawaii Coop. Ext. Serv. RES 154 (19 citations over 1,500 reads on RG by Nov. 2024,)
3. Valenzuela, H.R. 1998. Industry in Transition: An overview of the statewide vegetable extension programs at the University of Hawaii at Manoa: 1998-2003. UHM CTAHR Vegetable Crops Update Newsletter, Vol. 8, No. 1, 12 pp.
4. Hamasaki, R., H.R. Valenzuela, and R. Shimabuku (editors and authors). 1999. Field Onion production in Hawaii. Univ. Hawaii at Manoa, CTAHR Coop. Ext. Service Publication. (co-authored the 6 chapters). ISBN: 1-929325-04-5, (8 citations, 1,017 reads in RG)
5. Valenzuela, H. et al., Additional Extension Publications on tomato sweetpotato, and lettuce production, providing information on state-of the art production techniques, for Hawaii.
6. Valenzuela, H. et al., Additional Extension Newsletter issues on Plasticulture, Living Mulches, Transplant Diseases, Drip Irrigation, Insectary plants, Cultivar trials for Hawaii.
7. Valenzuela, H. 2011. Farm and Forestry Production and Marketing Profile for Ginger (*Zingiber officinale*). pp. 193-204. In: Elevitch, C.R. (ed.). Specialty Crops for Pacific Island Agroforestry. Permanent Agriculture Resources (PAR), ISBN-13: 978-0-9702544-8-1. <http://agroforestry.net/scps/scpsbook.html>
8. Valenzuela, H. 2011. Farm and Forestry Production and Marketing Profile for Chili pepper Production. pp. 101-112. In: Elevitch, C.R. (ed.). Specialty Crops for Pacific Island Agroforestry. Permanent Agriculture Resources (PAR), ISBN-13: 978-0-9702544-8-1. <http://agroforestry.net/scps/scpsbook.html>
9. Valenzuela, H.R. (Editor). 2026. Important Vegetable Crops. Book Series. UNESCO-EOLSS. Paris. In Press. <https://www.eolss.net/latest-upcoming-chapters.aspx> (Book)
10. Valenzuela, H. 2026. Solanaceae: Tomatoes (Chapter). In: H. Valenzuela (Ed.) Important Vegetable Crops. UNESCO-EOLSS, Paris. In Press.
11. Valenzuela, H. 2026. Cucurbitacea Crops: Cucumber (Chapter). In: H. Valenzuela (Ed.) Important Vegetable Crops. UNESCO-EOLSS. Paris. In Press.
12. Choudhary, H., Padmanabha, K., and Valenzuela, H. 2026. Cucurbitacea Crops: Melons (Chapter). In: H. Valenzuela (Ed.) Important Vegetable Crops. UNESCO-EOLSS. Paris. In Press.
13. Borges, R.M., G.B. Amaro., R.L. Barbieri, N.R. Madeira, M.A. de Lima, A.C.R. Krolow, M.F. Lima, T.C. da Costa-Lima, S.R.R. Ramos and H. Valenzuela. 2026. Cucurbitacea Crops: Pumpkins (Chapter). In: H. Valenzuela (Ed.) Important Vegetable Crops. UNESCO-EOLSS. Paris. In Press.

Agroecology, Critical Reviews

1. Valenzuela, H.R. and J. DeFrank. 1995. Agroecology of tropical underground crops for small-scale agriculture. CRC Critical Review in Plant Sciences. 14:213-238. <https://doi.org/10.1080/07352689509701927>.
2. Valenzuela, H.R. 2000. Ecologically-based practices for vegetable crops production in the Tropics. HortReviews. 24:139-228. DOI: 10.1002/9780470650776.ch4
3. Valenzuela, H. 2009. Strategies to improve the ecological health of horticultural agroecosystems in the tropics. pp. 1-34. In: Proceedings of International Symposium of Tropical Agriculture on the Sustainable Utilization and Development. National Pingtung University of Science and Technology (NPUST). 250 pp
4. Valenzuela, H. 2016. Agroecology: A Global Paradigm to Challenge Mainstream Industrial Agriculture. Horticulturae. 2(1), 2; doi:10.3390/horticulturae2010002, <http://www.mdpi.com/2311-7524/2/1/2>

5. Valenzuela, H.R. 2018. Pollinators and Sustainable Farming in Hawaii. *Bee World*. 95(4)117-121 <https://doi.org/10.1080/0005772X.2018.1507347>
6. Valenzuela, H. and A. Miles, 2023. Agroecology: A Pathway to a new Model for Agriculture in Hawaii. *Hanai'Ai, The Food Provider CTAHR Sustainable Agriculture Newsletter*. Univ. Hawaii Coop. Ext. Serv. Sept. 2023.
7. Valenzuela, H. 2024. Ecological Sustainability. In: *Agriculture & Food System Sustainability*. Hawaii Integrated State Food Policy Framework.
8. Valenzuela, H. and A. Miles, 2024, Agroecology: A Pathway to a new Model for Agriculture in Hawaii. In: *Agriculture & Food System Sustainability, Ecological Sustainability*. <https://staging4.transforminghawaiifoodsystem.org/wp-content/uploads/2024/06/Agroec-Hawaii-Valen-Miles-23.pdf>

Organic Farming, Critical Reviews

1. Valenzuela, H. J. Smith and Ferentinos. 2002. A series of 20 Extension publications with a description and guidelines for the use of cover crops for Hawaii and the Tropics. Univ. Hawaii Coop. Ext. Serv
2. Valenzuela, H.R. 1994. Insectaries: the use of insectary plants as a reservoir for beneficials in vegetable agroecosystems. *Vegetable Crops Update*. 4(5). <http://www2.hawaii.edu/~hector/VegCropUpdates/1994/Nov94.html> (10 citations).
3. Valenzuela, H.R., R. Hamasaki, and T. Radovich. 1999. Nature farming compost experiments in Waimanalo, Hawaii. Five-year report: 1993-1998. Univ. Hawaii at Manoa, Coop. Ext. Service, Misc. Pub. 74 pp.
4. Radovich, T. and H. Valenzuela. 1999. Organic farming: an overview of the organic farming industry in Hawaii. *UH-CTAHR Vegetable Crops Update Newsletter*, v. 9, n. 1. Pg. 1-12.
5. Valenzuela, H.R. 2009. Integrated Cultural Programs for the Production of Cash Crops in Organic Systems. Pp. 127-142. In: *Proceedings: GoOrganic2009: The Approach of Organic Agriculture: New Markets, Food Security and a Clean Environment*, August 19-21, 2009, APEC. Pub. APEC#210-AT-04.1 Bangkok, Thailand.
6. Howe, L., N. Redfeather, and H. Valenzuela. 2012. The Hawaii Public Seed Initiative. *Hanai' Ai/The Food Provided. Sustainable Ag Newsletter*, CTAHR, March-April-May. 6 pp.
7. Valenzuela, H. 2015. Pest and Disease Control Strategies for Sustainable Pacific Agroecosystem (Chapter). In Elevitch, C.R. (Ed.) *Agroforestry Landscapes for Pacific Islands: Creating abundant and resilient food systems*. Publisher: Permanent Agriculture Resources (PAR), 2015, Kona, Hawaii Island. pp. 332.
8. Valenzuela, H. 2026. Nutrient Sources and Ecological Management in Organic Farming, Chapter. In: L.W. Awasthi (Ed.) *Recent Advances in Organic Farming*. CAB Publishers. Cambridge, UK (In Press).

Nutrient Management and Efficiency of Resource Utilization, Critical Reviews

1. Fox, R. and H.R. Valenzuela. 1992. Vegetables grown under tropical and subtropical conditions (Chapter). pp. 293-338. In: W. Wichmann (ed.) *IFA World Fertilizer Use Manual*. International Fertilizer Industry Assoc. Germany.
2. Valenzuela, H.R. (ed.). 1996. Plasticulture. Univ. Hawaii Coop. Ext., *Veg Crops Update Newsl.* 6(4).
3. Valenzuela, H. 2010. Earthworms in the Farm. *Hanai'Ai, The Food Provider CTAHR Sustainable Agriculture Newsletter*. 6 pp. Fall. 2010. www.ctahr.hawaii.edu/sustainag/news/articles/V5-Valenzuela-worm.pdf.
4. Valenzuela, H. 2011. Pigeon peas: A multipurpose crop for Hawaii. *The Food Provider CTAHR Sustainable Agriculture, Hanai'ai Newsletter*. 6 pp. Spring, March-April-May, 2011. Link March 23, 2011: www.ctahr.hawaii.edu/sustainag/news/articles/V7-Valenzuela-cajanus.pdf.
5. Fares, A., R. Awal, S. Fares, A. Johnson, and H. Valenzuela. 2016. Irrigation Water Requirements for Seed Corn and Coffee under Potential Climate Change Scenarios. *Journal of Water and Climate Change*, Vol. 7(1):39-51 (2015): jwc2015025. doi: 10.2166/wcc.2015.025.
6. Fares, A., Adam Bensley, Haimanote Bayabil, Ripendra Awal, Samira Fares, Hector Valenzuela, and Farhat Abbas. 2017. Carbon Dioxide Emission in Relation with Irrigation and Organic Amendment. *Journal of Environmental Science and Health, Part B*. <http://dx.doi.org/10.1080/03601234.2017.1292094>
7. Valenzuela, H. 2020. The use of crop residues on the Farm. *Hanai Ai Sustainable Ag Newsletter*, CTAHR, Spring 2020. 50 pp. https://www.researchgate.net/publication/338980740_The_use_of_Crop_Residues_on_the_Farm#fullTextFileContent
8. Valenzuela, H. 2023. Ecological Management of the Nitrogen Cycle in Organic Farms. *Nitrogen* 4, 58-84
9. Valenzuela, H. 2024. Optimizing the Nitrogen Use Efficiency in Vegetable Crops. *Nitrogen* 5, 106–143.

Public Seed Initiative in Hawaii

1. Redfeather, N., H. Valenzuela, and L. Howe (eds.) 2011. Beginners Seed Production manual. Prepared as part of three day Seed Production Workshop held in Kauai, Nov. 6-8, 2011.
2. Howe, L., N. Redfeather, and H. Valenzuela. 2012. The Hawaii Public Seed Initiative. Hanai' Ai/The Food Provided. Sustainable Ag Newsletter, CTAHR, March-April-May. 6 pp. <http://www.ctahr.hawaii.edu/sustainag/news/articles/V11-Valenzuela-seedinitiative.pdf>

Industrial agriculture and crop biotechnology, Critical Assessment

1. Valenzuela, H. 2013. Pesticide Use in Crop Biotechnology (Chapter). pp. 17-24. In: C.M. Black (ed.) Facing Hawai'i's Future. Hawaii Seed: Essential information about gmos. Hawaii Seed. Koloa, HI. Palace Press International. 96 pg. ISBN-10: 0615706118, ISBN-13: 978-0-615-70611-5
2. Valenzuela, H. 2013. Environmental and Health Risks of Synthetic Chemicals used by the Biotechnology Seed Industry in Hawaii: <https://docs.google.com/document/d/1FrgfwqSlAmxhUzb-2JvhWZwSwOZSOM7RKpxnY3NSgl0/edit>.
3. Valenzuela, H. 2016. Assessment on the risk of pesticides used by the Seed Industry in Kauai. Comments for The Joint Fact Finding (JFF) Study Group Report. Pp. 763-778. In: P.S. Adler (Ed.) Report: Pesticide use by large agribusinesses on kaula'i: Findings and Recommendations. Section: Written Comments. Kauai. April 7, 2016. 16 pp.
4. Valenzuela, H. 2016. Agroecology: A Global Paradigm to Challenge Mainstream Industrial Agriculture (Refereed). Horticulturae. 2(1), 2; doi:10.3390/horticulturae2010002
5. Valenzuela, H. 2018. "A New Chapter for Agriculture in Hawaii and the UH College of Tropical Agriculture" Hnl. Star. Adv. March 25, 2018.

Other scholarly products (such as software, Internet, video or film)

1. Valenzuela, H. 2016. Hoopili Radio Interview. Radio Interview, Hoopili Project, Urbanization and protection of valuable agricultural Lands. KWAH 1080AM. Jan. 8, 2016.
2. Valenzuela, H. 2016. Protection of Agricultural lands in Hoopili. Interview by former Honolulu City Council member Tom Berg, Video Presentation, May 13, 2016, <https://www.youtube.com/watch?v=4C-6AEtj2ow>.
3. Valenzuela, H. 2016. The Disposition of Hoopili seeking Court Ordered Injunction to Stop Ho'opili., Video Presentation, May 13, 2016. <https://youtu.be/XwDp-V2Yl4w>.
4. Valenzuela, H. 2016. Professor Hector Valenzuela Busts Economic Benefit Myth of Pesticide Farming in Hawaii & Internationally. Video as part of Shaka March, Iolani Palace, Honolulu, June 12, 2016. <https://vimeo.com/170557007>
5. Television/online Interview, Extension work in Hawaii to support local Agriculture: The Role of the Extension Specialist. Think Tech. Host Justine Espiritu. ThinkTech Hawaii, Dec. 15, 2016.
6. Introduction to Organic Farming. Invited presentation and interview to be shown on Olelo Public Television, Mapunapuna, Oahu, Hawaii. May 21, 2017
7. Valenzuela, H. 2017. Interview as part of the movie "Abundant Life." Producer, Natasha Fiorentino.
8. Valenzuela, H. 2017. Radio Interview on Silencing Hector Valenzuela. Food Sleuth Radio, Columbia, Missouri. Hector Valenzuela Interview. Sleuth Radio. May 26, 2017. <https://beta.prx.org/stories/206005>.
9. Valenzuela, H. 2017. Introduction to GMOs, part I. Invited presentation. Show "News & Views." Host Renee Ing. Olelo Public Television. Honolulu, Hawaii, Nov. 19, 2017.
10. Valenzuela, H. 2018. Introduction to GMOs II and Food Security in Hawaii. Invited presentation. Show "News & Views." Host Renee Ing. Olelo Public Television. Honolulu, Hawaii, April 28, 2018.
11. Valenzuela, H. 2018. Working towards Food self-sufficiency in Hawaii. Invited presentation. Show "News & Views." Host Renee Ing. Olelo Public Television. Honolulu, Hawaii, Sept. 20, & Oct. 2018.
12. Valenzuela, H. 2019. Organic Food Nutrition & Regenerative Agriculture. Invited presentation. Show "News & Views." Host Renee Ing. Olelo Public Television. Honolulu, Hawaii, Played on several occasions on Spring 2019.
13. Valenzuela, H. 2020. Agroecology and Sustainable Agriculture in Hawaii. YouTube Channel. https://www.youtube.com/channel/UCj4I2IqUoapXR_qF_39sk2Q
14. Valenzuela, H. 2020. Basics of Organic Farming in Hawaii. Video presentation. Jan. 29, 2020. <https://youtu.be/71LvrObHTQc>
15. Valenzuela, H. 2020. Food Security for Hawaii, Agroecology and the Victory Garden Models. Video presentation. Jan. 29, 2020. <https://youtu.be/SNs581nWjKo>.

16. Valenzuela, H. 2020. Organics and Regenerative Farming-- Good for the Planet, Video presentation. Jan. 29, 2020. <https://youtu.be/yhqZ6CgtLMI>.
17. Valenzuela, H. 2020. GMO basics, Video presentation. Jan. 29, 2020. https://youtu.be/tfro_ivGdU4
18. Valenzuela, H. 2020. "A Road Map for Food Security in Hawaii," Video presentation. Jan. 29, 2020. https://youtu.be/2E5Z2aO_tjY
19. Valenzuela, H. 2020. "The myths of Industrial Agriculture and a call for an agroecological approach to farming in Hawaii
20. Video presentation. Feb. 2, 2020. https://youtu.be/omxKnOv_S60
21. Valenzuela, H. 2020. Video: Basics of Organic Farming in Hawaii (Olelo Public Television), <https://youtu.be/71LvrObHTQc>
22. Valenzuela, H. 2020. Video: Food Security for Hawaii, Agroecology and the Victory Garden Models (Olelo Public Television), <https://youtu.be/SNs581nWjKo>
23. Valenzuela, H. 2020. Organics and Regenerative Farming-- Good for the Planet (Olelo Public Television), <https://youtu.be/yhqZ6CgtLMI>
24. Valenzuela, H. 2020. Video: GMO basics (Olelo Public Television) https://youtu.be/tfro_ivGdU4
25. Valenzuela, H. 2020. Video: "A Road Map for Food Security in Hawaii" (Olelo Public Television), https://youtu.be/2E5Z2aO_tjY
26. Valenzuela, H. 2020. Video: Extension work at UH and programs to support local agriculture (Think-Tech Hawaii), <https://youtu.be/Zh9zCHzScHk>.
27. Valenzuela, H. 2022. Organic Certification and Pest control strategies. NOP Pilot Trial: Certified Organic Farm Technician Certification. Leilehua HighSchool. Oahu, July 14, 2022.
28. Valenzuela, H. 2023. Workshop and Presentation on Alternative management strategies for the control of Coffee Leaf Rust in Hawaii. Kona. About 35 participants. May 22, 2023. <https://www.youtube.com/watch?v=F8It0yJHv0E>
29. Bondera, C., M. Johnson and H. Valenzuela. 2023. Video on Project: Alternative Management practices for Coffee Leaf Rust in Hawaii (English version). https://youtu.be/SYvOG_mpJjk
30. Bondera, C., M. Johnson and H. Valenzuela. 2023. Video on Project: Alternative Management practices for Coffee Leaf Rust in Hawaii (Spanish Version). <https://www.youtube.com/watch?v=Au5CGsIbWB0>

Leadership Roles (Committees, Boards, Advisory, etc.)

- √ Topic Editor and Member of Reviewer Board, Journal: Sustainability, MDPI
- √ Associate Editor, Bragantia Journal, among top-agricultural Journals in Latin America (2015-present)
- √ Senior Editor, Book on "Important Vegetable Crops," UNESCO-Encyclopedia of Life Support Systems (EOLSS)√
- √ Advisor, Board of Directors, Hawaii Organic Farming Association, 2013-present
- √ PEPS, Department Personnel Committee, 2012-2013, 2020-2022, 2023-2024
- √ UHM Tenure and Promotion Review Committee (TPRC), 2000-2001; 2006-7; 2017-18, 2020-21.
- √ Senator, University of Hawaii at Manoa Faculty Senate, 2013-2017

Grant Support

Total over tenure, as P.I. or co-P.I. \$2.2 million

Alternative Management Practices for Coffee Leaf Rust. Organic Farming Research Foundation (Project led by organic farmer, Mr. Colehour Bondera), \$31,000	2021-2022
Organic farming system options for control of Coffee Leaf Rust on five organic farms in Kona, Hawaii, USDA Systems Approaches to Improve Production and Quality of Specialty Crops Grown in the U.S. Pacific Basin, Award no. 39288, 2022-2024, \$61,900	2022-2024
Organic farming system options for control of Coffee Leaf Rust on five organic farms in Kona, Hawaii, USDA Systems Approaches to Improve Production and Quality of Specialty Crops Grown in the U.S. Pacific Basin, 2024-2026, \$61,900	2024-2026

Presentations and Workshops

Total No. of Professional and invited presentations, 495

Total No. of organized workshops, 126

Field day and hands-on activities, establishing a garden. KEY-Project, Hauula, program co-sponsored by HOFA. Hauula, Oahu. About 25 participants. Feb. 21, 2015.

HOFA Organic Annual Farming Conference. I co-organized this meeting as a board member of HOFA. About 60 participants. March 28, 2015.

Field Day as part of HOFA Organic Annual Farming Conference. Key Project, Oahu. About 60 participants . March 28, 2015.

Irrigation Management for Small Farms in Hawaii. Go-Farm new Farm training program. UH Waimanalo Experiment Research Station. Field visit and 2-hour lecture. About 25 participants. April 22, 2015.

Annual Meeting of the Hawaii Organic Farmers Association. KEY Project, Kaneohe, Oahu. About 60 participants. May 28, 2016.

Field Day, hands-on-activities. As part of Annual Meeting of the Hawaii Organic Farmers Association. KEY Project, Kaneohe, Oahu. About 40 participants. May 28, 2016.

Introduction to Agroecology and Organic Farming. Four-day Workshop. RESOPP Farmer Cooperative and Winrock International, Thies, Senegal. About 35 participants. October 10-13, 2016.

Field Day and Farm Visits as part of Workshop on Organic Farming. RESOPP Farmer Cooperative and Winrock International, Thies, Senegal. About 35 participants. October 12, 2016.

Hawaii Organic Farming Association Annual Conference. Captain Cook, Hawaii Island. About 50 participants. July 22, 2017.

Introduction to GMOs II and Food Security in Hawaii. Invited presentation. Show “News & Views.” Host Renee Ing. Olelo Public Television. Honolulu, Hawaii, April 28, 2018.

Organic Farming Production and Certification. Invited Presentation. Malama Kauai, Food Forest, Kilauea, Kauai. About 15 participants. July 9, 2018.

Moderator, presentation on Biotechnology, Pesticides and Gene-drives by invited speaker Jonathan Latham. University of Hawaii School of Hawaiian Studies. About 50 participants. Aug. 2, 2018

Educational booth, Sustainable Agriculture. Kauai Farm Fair. About 100 participants. Kapaa, Kauai. Aug. 17, 2018.

Educational booth, Sustainable Agriculture. Kauai Farm Fair. About 100 participants. Kapaa, Kauai. Aug. 18, 2018.

Recommendations on plant and soil regeneration in areas affected by sulfur dioxide and vog. Invited Presentation. Hawaii Farmers Union, Puna, Hawaii Island, About 30 participants. Sept. 1, 2018.

Working towards Food self-sufficiency in Hawaii. Invited presentation. Show “News & Views.” Host Renee Ing. Olelo Public Television. Honolulu, Hawaii, Sept. 20, 2018.

Organic Food Nutrition & Regenerative Agriculture. Invited presentation. Show “News & Views.” Host Renee Ing. Olelo Public Television. Honolulu, Hawaii, Nov. 25, 2018.

Organic Vegetable Crops Production. Invited presentation. Honokaa, Big Island. About 30 participants. March 22, 2019.

Tax and business update workshop, HOFA, Kona, Jan. 10, 2020 (ca 30 participants).

Tax and business update workshop, HOFA, Hilo, Jan. 12, 2020 (ca 15 participants)

Tax and business update workshop, HOFA, Maui, Jan. 15, 2020 (ca 15 participants)

Tax and business update workshop, HOFA, Kauai, Jan. 18, 2020 (ca 15 participants)

Tax and business update workshop, HOFA, Windward Community College, Jan. 31, 2020 (ca 4 participants)

Tax and business update workshop, HOFA, Leeward Community College, Jan. 30, 2020 (ca 10 participants)

Food Security for Hawaii, Agroforestry and Victory Gardens, virtual Conference, Pahoa, Big Island, ca 30 participants, July 2, 2020.

Sustainability of Horticultural Systems in the Tropics. Invited Virtual Lecture, School of Agriculture, Zamorano, Honduras. With professor Hugo Ramirez. About 120 participants. Jan. 22, 2021.

History of plant breeding in Hawaii. Guest lecture, Hort 451, Univ. Hawaii at Hilo, for Professor Celia Tapp. About 14 participants. Oct. 27, 2021.

Organic Certification and Pest control strategies. Guest Lecture, NOP Pilot Trial: Certified Organic Farm Technician Certification. Leilehua High School. 5 participants Oahu, July 14, 2022.

History of plant breeding in Hawaii. Guest lecture, Hort 451, Univ. Hawaii at Hilo, for Professor Celia Tapp. About 8 participants. Sept. 28, 2022.

Presentation: Alternative management strategies for the control of Coffee Leaf Rust in Hawaii. Kona. About 35 participants. May 22, 2023.

One day Workshop on Alternative management strategies for the control of Coffee Leaf Rust in Hawaii. Kona. About 35 participants. May 22, 2023.

Workshops and training sessions for Cooperating farmers on the preparation of Indigenous microorganisms, and on Korean Natural Farming (several workshops, Jan. Feb. 2024).

Agroecology perspectives in Hawaii. Guest Lecture, Undergraduate Agroecology Course, Prof. Albie Miles, Univ. Hawaii West Oahu, Kapolei, HI. April 30, 2024. About 10 participants.