

Rosemary Gutierrez-Coarite
College of Tropical Agriculture and Human Resources
Tropical Plant and Soil Science
FTE Distribution: 100% Extension

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
Bachelors	Catholic Bolivian University	Agronomy
Masters	South Dakota State University	Horticulture
PhD	South Dakota State University	Entomology

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Junior researcher	University of Hawaii at Manoa	Apr-2014 to Feb-2019
Assistant extension agent	University of Hawaii at Manoa	Feb-2019 to present

Peer-reviewed Publications

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., and Miyasaka, S.C. 2022. Breeding and selection of Taro (*Colocasia esculenta*) for improved disease-resistance in Hawai'i. *Plants, People, Planet*.
<https://nph.onlinelibrary.wiley.com/doi/10.1002/ppp3.10335>.

Shikano, I., **Gutierrez-Coarite R.**, Streit, C., Perez, E., Fujitani, E. and Mau, R. 2022. Field Tests of Three Alternative Insecticides with Protein Bait for the Development of an Insecticide Rotation Program to Control Melon Flies, *Zeugodacus cucurbitae* (Coquillett) (Diptera: Tephritidae). *Insects* 2022, 13, 629. <https://doi.org/10.3390/insects13070629>.

Gutierrez-Coarite, R., Cho, A.H., Mollinedo, J., Pulakkatu-Thodi, I., & Wright, M.G. 2020. Macadamia felted coccid impact on macadamia nut yield in the absence of a specialized natural enemy, and economic injury levels. *Crop Protection* 139: 105378

Gutierrez-Coarite, R., Pulakkatu-thodi, I., and Wright, M. 2018. Binomial Sequential Sampling Plans for Macadamia Felted Coccid, *Eriococcus ironsidei* (Hemiptera: Eriococcidae) Infesting Hawaii Macadamia Orchards. *Environ. Entomol.* <https://doi.org/10.1093/ee/nvy160>.

Gutierrez-Coarite, R., Mollinedo, J., Cho, A., Wright, M. 2018. Canopy management of macadamia trees and understory plant diversification to reduce macadamia felted coccid (*Eriococcus ironsidei*) populations. *Crop Protection*, Vol 113: 75-83.
<https://doi.org/10.1016/j.cropro.2018.07.014>.

Gutierrez-Coarite, R., Heller, W., Wright, M., Mollinedo, J., Keith, L., Sugiyama, L., Chun, S. 2018. Entomopathogenic Fungi as Mortality Factors of Macadamia Felted Coccid (*Eriococcus ironsidei*) in Hawaii. Proceedings of Hawaiian Entomological Society, 50: 9-16.

Pulakkatu-thodi, I., **Gutierrez-Coarite, R.** and Wright, M. 2018. Dispersion and sequential sampling plan for coffee berry borer (Coleoptera: Curculionidae) infestations in Hawaii. Environ. Entomol. <https://doi.org/10.1093/ee/nvy098>.

Gutierrez-Coarite, R., Yoneishi, N., Mollinedo, J., Calla, B., Wright, M. and Geib, S. 2018. PCR- Based Gut Content Analysis to Detect Predation on *Eriococcus ironsidei* (Hemiptera: Eriococcidae) by Coccinellidae species in Macadamia Nut Orchards in Hawaii. J. Econ. Entomol. 111(2): 885-891. doi: 10.1093/jee/toy019.

Pulakkatu-thodi, I., **Gutierrez, R.** and Wright, M. 2017. Comparison of sampling intensity to estimate infestations of coffee berry borer on Hawaii Island. Proceedings of Hawaiian Entomological Society, 49:11-16.

Peer-Reviewed Extension Publications

1. **Gutierrez-Coarite, R.**, Tavares, K., Uyeda, J., and Silva, J. 2023. Evaluation of Amulet™ C-L Fruit Fly Bait Stations and Roosting Host Plants for the Control of Melon Fruit Fly on Zucchini Crops. College of Tropical Agriculture and Human Resources. University of Hawaii at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-54.pdf>
2. Kawabata A., Uyeda J., Miyahira M., **Gutierrez-Coarite R.**, Sand S., and Nakamoto S. 2021. Sprayer Calibration with Handheld Sprayer Systems for Orchard Crops. College of Tropical Agriculture and Human Resources. University of Hawaii at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PRRE-10.pdf>
3. Kawabata A., **Gutierrez-Coarite R.**, and Nakamoto S. 2021. Pulverización para suprimir la roya del café (*Hemileia vastatrix*) en Hawai. College of Tropical Agriculture and Human Resources. University of Hawaii at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-120.pdf>
4. **Gutierrez-Coarite, R.**, Kawabata, A., Cho, A., Mollinedo, J. and Wright, M. 2020. Macadamia nut orchard modification strategies for reducing macadamia felted coccid (*Eriococcus ironsidei*) populations in Hawaii. College of Tropical Agriculture and Human Resources. University of Hawaii at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-48.pdf>
5. **Gutierrez-Coarite, R.**, Shimabuku, R., Tavares, K., Hamasaki, R., Souder, S. and Manoukis, N. 2020. Olive Fruit Fly Management. College of Tropical Agriculture and Human Resources. University of Hawaii at Manoa. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-49.pdf>
6. **Gutierrez-Coarite, R.**, Zarders D., Pulakkatu-Thodi, I., Mollinedo, J., Yalemar, J., Wright, M. and Cho, A. 2017. Macadamia Felted Coccid *Eriococcus ironsidei* (Hemiptera: Eriococcidae) Description, Monitoring and Control. College of

Tropical Agriculture and Human Resources. University of Hawaii at Manoa. IP-43. <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/IP-43.pdf>

Extension Newsletters Articles

1. Manandhar, R., Ahmad, A. Cheng, Z., Friday, F., Goodwin, J., **Gutierrez-Coarite, R.**, Hawkins, J., Kawabata, A., Keach, J., Kirk, E., Melzer, M., Shikano, I., Silva, J., Sipes, B., Tay, J., Thorne, M., Uyeda, J., Wang, K., and Wright, M. 2023. Hawai'i Invasive Pest Communication and Networking. CTAHR Impact Statement.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=72139&dt=3&g=12>
2. **Gutierrez-Coarite R.** 2022. Sweetpotato Varieties Tolerant to Insect Pest Damage. Hanai' Ai Newsletter.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=71761&dt=3&g=12>
3. **Gutierrez-Coarite R.**, and Tavares, K. 2022. The Importance of Pollinator-Friendly Habitat Using Native Hawai'ian Plants. Hānai' Ai Newsletter. Volume 46: June
<https://cms.ctahr.hawaii.edu/soap/Hanai-Ai/ArtMID/40474/ArticleID/2492/Volume-46-April-%7c-May-%7c-June-2022>
4. **Gutierrez-Coarite R.** and Lutgen, H. 2022. Common Citrus Pests in Hawaii. Hawaii Landscape Magazine.
https://hawaiiscape.starchapter.com/images/downloads/Documents/landscape_hawaii_july_aug_2022_r3.pdf
5. **Gutierrez-Coarite R.**, Tavares, K., Uyeda, J., Silva, J., Kirk, E. and Manandhar, R. 2022. Hawai'i Diamondback Moth Insecticide Resistance Management Program. CTAHR Impact Statement.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=71086&dt=3&g=12>
6. Ahmad, A., Wang, K., Uyeda, J., Wages, S., Kirk, E., **Gutierrez-Coarite, R.**, Silva, J., Hawkins, J., Radovich, T., Galanti, R., Tavares, K., and Sugano, J. Revitalizing the Declining Hawai'i Banana Industry via Statewide Extension Program and Technology Transfer to Local Growers. CTAHR Impact Statement.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=72005&dt=3&g=12>
7. Ahmad, A., Radovich, T.J.K., Uyeda, J., Motomura, S., Kirk, E., Silva, J., Tavares, K., **Gutierrez-Coarite, R.**, Hawkins, J., and Sugano, J. 2022. Intercropping: A Sustainable Strategy for Hawaii's Small Farm Holders. Hanai' Ai Newsletter.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=71116&dt=3&g=12>.
8. Ahmad, A., Wang, K.H., Radovich, T.J.K., Uyeda, J., Wages, S.M., Kirk, E., Silva, J., **Gutierrez-Coarite, R.**, Tavares, K., and Sukan, J. 2021. Transitioning Tissue Culture Banana Seedlings from Lab to Field. Hanai' Ai Newsletter.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=69436&dt=3&g=12>.
9. **Gutierrez-Coarite R.**, Tavares Kylie, and Glenn Teves. 2021. Tomato Virus Resistant Varieties “a way to avoid yield loss”. Hānai 'Ai Newsletter. Volume 44: Fall 2021.

- <https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=70597&dt=3&g=12>
10. Kirk E., Sand S., Bloese J., **Gutierrez-Coarite R.**, Keach K., and Eng S. 2021. COVID-19 Hawaii Agriculture Survey: Initial and On-going Impacts. Hānai 'Ai Newsletter. Volume 44: Fall 2021.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=70601&dt=3&g=12>
 11. **Gutierrez-Coarite R.**, and Tavares Kylie. 2021. Onion thrips management in bulb onions. Hānai' Ai Newsletter. Volume 43: Summer 2021.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=69157&dt=3&g=12>
 12. **Gutierrez-Coarite, R.** How to Grow Microgreens. UH News. Published on April 2020.
<https://www.hawaii.edu/news/2020/04/24/how-to-grow-microgreens/>
 13. **Gutierrez-Coarite, R.** and Shimabuku, R. CTAHR Impact Statement on “Controlling Melon Fruit Fly Infestations: On-Farm Model”. Published on March 2020.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=67122&dt=3&g=12>
 14. Tavares, K., R. Shimabuku, and **R. Gutierrez-Coarite.** 2019 Maui Sweet Onion Variety Trial—Short-Day Late Bulb Onions. Hānai' Ai Newsletter. Volume 35: Fall 2019.
<https://gms.ctahr.hawaii.edu/gs/handler/getmedia.ashx?moid=66169&dt=2&g=12>

Grant Support

Title of Grant: Hawaii integrated pest management program for Diamondback moth and other lepidopteran pests on crucifers.

Source of Grant: Hawaii Department of Agriculture, Specialty Crop Block Grant.

Total Dollar Value: \$50,000.00.

Dates of Grant: March 1, 2024, to December 31, 2026.

Role: PI

Title of Grant: Evaluation of new strategies to increase water use efficiency under drought conditions.

Source of Grant: USDA, NRCS Conservation Innovation Grants.

Total Dollar Value: \$723,686.00.

Dates of Grant: August 7, 2023, to August 6, 2026.

Role: PI

Title of Grant: Field Assessment of Avocado Rootstock Selections Tolerant to Avocado Root Rot in Maui.

Source of Grant: Maui County Office of Economic Development.

Total Dollar Value: \$27,000.00.

Dates of Grant: March 1, 2023, to December 31, 2023.

Role: PI

Title of Grant: Increasing the number of sweet potato storage roots to increase the yield of sweet potato crops in Hawaii.

Source of Grant: Hawaii Department of Agriculture, Specialty Crop Block Grant.

Total Dollar Value: \$40,000.00
Dates of Grant: March 1, 2023, to February 28, 2025.
Role: PI

Title of Grant: Evaluation of onion yield under organic and conventional soil fertilizers and irrigation systems.
Source of Grant: Maui County Office of Economic Development
Total Dollar Value: \$ 26,153.00
Dates of Grant: 01/01/22 to 12/31/22
Role: PI

Title of Grant: A Unified Proposal for National Clean Plant Network-Sweetpotato
Source of Grant: National Plant Network
Total Dollar Value: \$ 40,000.00
Dates of Grant: 01/01/22 to 12/31/23
Role: Co-PI

Title of Grant: Improving the Growth and Yield of Tomato through new Integrated Pest Management Strategies.
Source of Grant: Hawaii Department of Agriculture
Total Dollar Value: \$ 40,000.00
Dates of Grant: 01/01/22 to 12/31/23
Role: PI

Title of Grant: Expanding Availability of High Yielding Mamaki Varieties for Better Selection by Hawaii's Growers.
Source of Grant: Hawaii Department of Agriculture
Total Dollar Value: \$ 55,000.00
Dates of Grant: 01/01/22 to 12/31/23
Role: Co-PI

Title of Grant: Establishment of On-Farm Pollinator Friendly Habitat Using Native Hawaiian Plants.
Source of Grant: Maui County Office of Economic Development
Total Dollar Value: \$ 23,792
Dates of Grant: 01/01/21 to 12/31/21
Role: PI

Title of Grant: Assessing Olive Fruit Fly control strategies in Hawaii.
Source of Grant: Hawaii Department of Agriculture
Total Dollar Value: \$35,000
Dates of Grant: 01/01/21 to 12/31/22
Role: PI

Title of Grant: Alternatives to Control Melon Fly.
Source of Grant: USDA-NIFA

Total Dollar Value: \$181,879
Dates of Grant: 09/01/19 to 08/31/21
Role: Co-PI

Title of Grant: Assessing dead-end trap crops for the management of diamondback moths in Hawaii.

Source of Grant: Hawaii Department of Agriculture

Total Dollar Value: \$39,867

Dates of Grant: 01/01/21 to 12/31/22

Role: Co-PI

Title of Grant: Evaluation of Insecticide Sprays on the Roosting Host Plants for the Control of Melon fly on cucurbits in Maui County.

Source of Grant: Maui County Office of Economic Development

Total Dollar Value: \$8,030.00

Dates of Grant: 01/01/20 to 12/31/20

Role: PI

Title of Grant: Hawaii integrated pest management program for Diamondback moth and other lepidopteran pests on crucifers.

Source of Grant: HDoA

Total Dollar Value: \$46,400.00

Dates of Grant: 08/01/19 to 06/31/22

Role: PI

Title of Grant: Fruit fly integrated pest management outreach education

Source of Grant: USDA-NIFA, CTAHR Statewide IPM

Total Dollar Value: \$4,263.00

Dates of Grant: 06/01/19 to 12/31/19

Role: PI

Title of Grant: Hands-on Integrated Pest Management Education

Source of Grant: USDA-NIFA, CTAHR Statewide IPM

Total Dollar Value: \$6,000.00

Dates of Grant: 06/01/19 to 12/31/19

Role: PI

Presentations at Conferences

Title: Organic Management of Melon and Oriental Fruit Flies.

Authors: Gutierrez-Coarite.

Name of conference: Mini-Conference of Organic, Transitioning to Organic & Sustainable Agriculture.

Location: Hawaii (Online).

Date: August 19-20, 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 Species Conference.

Location: Oahu, HI.

Date: August 9-10, 2023.

Title: Evaluation of Amulet C-L Fruit Fly Bait Stations and Roosting Host Plants for the Control of Melon Fruit Fly on Zucchini Crops.

Authors: Gutierrez-Coarite, R., Uyeda, J., Silva, J., Tavares, K.

Name of conference: Annual Conference of the American Society for Horticultural Science.

Location: Orlando, FL.

Date: July 29 – August 5, 2023.

Title: Hawai‘i Diamondback Moth Insecticide Resistance Management Program.

Authors: Gutierrez-Coarite, R., Uyeda, J., Silva, J., Tavares, K., Mau, R. and Shimabuku, R.

Name of conference: Entomological Society of America Annual Meeting.

Location: Vancouver, Canada.

Date: November 13-16, 2022.

Title: Hawai‘i Diamondback Moth Insecticide Resistance Management Program.

Authors: Gutierrez-Coarite, R., Uyeda, J., Silva, J., Tavares, K., Mau, R. and Shimabuku, R.

Name of conference: Hawaii Agriculture Conference.

Location: Honolulu, HI.

Date: September 27-28, 2022. (Poster)

Title: Outreach Education Through Educational Videos for Edible Crops Stakeholders

Authors: Gutierrez-Coarite, R.

Name of conference: Western Extension Leadership Program Conference. San Diego CA.

Date: September 18-23, 2022. (Poster)

Title: Developing Sprayer Calibration Tools for Coffee and Orchard Crop Farmers That Reduce Their Production and Legal Risks.

Authors: Uyeda, J., Kawabata A., Gutierrez-Coarite R., Sand S., Miyahira, M. and Nakamoto, S.

Name of conference: ERME

Date: Nebraska. March 2022. (Poster)

Title: Evaluation of Amulet C-L Bait Stations for the Control of Melon Fly on Zucchini in Hawai‘i.

Authors: Gutierrez-Coarite, R., Shimabuku, R. and Mau, R.

Name of Conference: American Congress of the Fruit Fly.

Location: Online.

Date of Presentation: 2020

Title: Efficacy of spot-spray applications of protein bait-insecticide combinations to roosting

hosts of melon fly (*Zeugodacus cucurbitae*) in Hawai'i.

Authors: Streit, C., **Gutierrez-Coarite, R.**, Mau, R. and Shikano, I.

Name of Conference: Entomological Society of America Annual Meeting.

Location: Online.

Date of Presentation: 2020

Title: Olive Fruit Fly Management

Authors: **Gutierrez-Coarite, R.**, Souder, S. and Manoukis, N

Name of Conference: Hawaii Invasive Species Mini-Conference.

Location: Online.

Date of Presentation: 2020

Title: Evaluation of New Taro Varieties Resistant to Taro Leaf Blight in Hawaii

Authors: Gutierrez-Coarite, R., Robin Shimabuku, Kylie Tavares, Lynn Nakamura-Tengan, James Keach, and Susan C. Miyasaka

Name of Conference: Annual Horticulture Association meeting

Location: Las Vegas, NV.

Date of Presentation: 2019

Gutierrez-Coarite, R., Mollinedo, J., Cho, A. and Wright, M. 2019. Economic injury level for macadamia felted coccid (*Eriococcus ironsidei*). Hawaii Invasive Species Conference. Hilo, HI.

Title: Economic injury level for macadamia felted coccid (*Eriococcus ironsidei*).

Authors: **Gutierrez-Coarite, R.**, Mollinedo, J., Cho, A. and Wright.

Name of Conference: Hawaii Invasive Species Conference

Location: Hilo, HI.

Date of Presentation: 2019

Title: Macadamia felted coccid monitoring and management.

Authors: Gutierrez-Coarite, R.

Name of Conference: Hawaii Macadamia Nut Association meeting,

Location: Hilo, HI.

Date of Presentation: 2018

Title: Entomopathogenic Fungi as Biological Control agents of Macadamia Felted Coccid (*Eriococcus ironsidei*) in Hawaii.

Authors: Gutierrez-Coarite, R. Keith, L., Chun, S. and Wright, M.

Name of Conference: Pacific Entomology Conference

Location: Honolulu, HI.

Date of Presentation: 2017

Title: PCR- Based Gut Content Analysis to Detect Predation on *Eriococcus ironsidei* (Hemiptera: Eriococcidae) by Coccinellidae species in Macadamia Nut Orchards in Hawaii.

Authors: Gutierrez-Coarite, R., Yoneishi, N., Mollinedo, J., Calla, B., Wright, M. and Geib, S.

Name of Conference: Entomological Society of America Annual Conference

Location: Denver, CO.

Date of Presentation: 2017

Title: Canopy management of macadamia trees and understory plant diversification to reduce macadamia felted coccid (*Eriococcus ironsidei*) populations

Authors: Gutierrez-Coarite, R., Wright, M. and Cho, A.

Name of Conference: International Macadamia Research Symposium.

Location: Hilo, Hawaii

Date of Presentation: 2017

Title: Biological and Chemical Control of Macadamia Felted Coccid in Hawaii

Authors: Gutierrez-Coarite, R., Cho, A. and Wright, M.

Name of Conference: Hawaii Macadamia Nut Association Annual Meeting

Location: Hilo, Hawaii.

Date of Presentation: 2017

Title: Efficiency of Insecticides in the Control of Macadamia Felted Coccid.

Authors: Gutierrez-Coarite, R., Pulakkatu-Todi I. and Wright, M.

Name of Conference: 1st Annual Hawaii Invasive Pest Symposium.

Location: Kauai, Hawaii

Date of Presentation: 2017

Title: Determination of population distribution of macadamia felted coccid.

Authors: Gutierrez-Coarite, R. and Wright, M.

Name of Conference: National Association County Agricultural Agents, Western Regional Annual Meeting and Professional Improvement.

Location: Kona, HI.

Date of Presentation: 2016

Title: Entomopathogenic Fungi as Biological Control agents of Macadamia Felted Coccid (*Eriococcus ironsidei*) in Hawaii.

Authors: Gutierrez-Coarite, R. Chun, S. and Wright, M.

Name of Conference: XXV International Congress of Entomology.

Location: Orlando, Florida.

Date of Presentation: 2016.

Title: Biology and Management of Macadamia Felted Coccid in Hawaii.

Authors: Gutierrez-Coarite, R., Chun S., Zarders D. and Wright, M.

Name of Conference: Hawaii Macadamia Nut Association Annual Meeting.

Location: Hilo, Hawaii.

Date of Presentation: 2016.

Title: Canopy management of macadamia nut trees and understory plant diversification to reduce macadamia felted coccid (*Eriococcus ironsidei*) populations.

Authors: Gutierrez-Coarite, R., Pulakkatu-Todi I. and Wright, M.

Name of Conference: Pacific Branch Annual Conference.

Location: Honolulu, Hawaii.

Date of Presentation: 2016.

Title: Determination of population distribution of macadamia felted coccid.

Authors: Gutierrez-Coarite, R. and Wright, M.

Name of Conference: Pacific Branch of Entomology Conference.

Location: Coeur d'Alene, Idaho.

Date of Presentation: 2015.

Title: Corn leaf aphid (Hemiptera: Aphididae) and mycotoxin threats in transgenic maize.

Authors: Gutierrez-Coarite, R., B. W. Fuller and B. McManus.

Name of Conference: North Central Branch Meeting of Entomology.

Location: Rapid City, SD.

Date of Presentation: 2013.

Title: Corn Leaf Aphid Abundance in CryBb1- and Conventional-Maize Hybrids in South Dakota

Authors: B. W. Fuller, Gutierrez-Coarite, R. and B. McManus.

Name of Conference: 24th International Congress of Entomology.

Location: Daegu, South Korea.

Date of Presentation: 2012.

Title: Ethics Education for Scientists and Engineers: Ethics in agriculture.

Authors: Gutierrez-Coarite, R. and D. Rickerl.

Name of Conference: Oglala Lakota College,

Location: Kyle, SD.

Date of Presentation: 2011.

Title: Ethics Education for Scientists and Engineers: Ethics in Transgenic crops.

Authors: Gutierrez-Coarite, R.

Name of Conference: Oglala Lakota College,

Location: Kyle, SD.

Date of Presentation: 2011.

Title: Incidence of Mycotoxins in Bt- and Conventional-Corn Hybrids in Relation to Insect Abundance.

Authors: Gutierrez-Coarite, R., B. W. Fuller and B. McManus.

Name of Conference: Entomology Society of America Annual Meeting,

Location: Reno, NV.

Date of Presentation: 2011.

Title: Corn Insect Impacts on Mycotoxin Concentrations.

Authors: Gutierrez-Coarite, R. and R. Berg.

Name of Conference: Southeast South Dakota Research Farm Highlights.

Location: South Dakota Research Farm Beresford.

Date of Presentation: 2011.

Title: Black Light Trap Insect Station Research.

Authors: Gutierrez-Coarite, R. and R. Berg.
Name of Conference: Southeast South Dakota
Location: South Dakota Research Farm Highlights Field Day
Date of Presentation: 2011.

Title: Incidence of Mycotoxins in Bt and Conventional Corn Hybrids in Relation to Insect Pest Abundance.

Authors: Gutierrez-Coarite R., B. W. Fuller, and B. McManus.
Name of Conference: 66th Meeting of the Entomological Society of America's North Central Branch.

Location: Minneapolis, MN

Date of Presentation: 2011.

Title: "Eco-cultural gardening".

Authors: Gutierrez-Coarite, R., R. Burrows and D. Rickerl.

Name of Conference: 38th Annual Convention of National Indian Education Association.

Location: Honolulu, Hawaii.

Date of Presentation: 2007.