

CTAHR BIO-Bibliography

Noa Kekuewa Lincoln

Associate Researcher
Tropical Plant and Soil Sciences
FTE Distribution: 25% I, 75% R

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
BS	Yale University	Environmental Engineering
PhD	Stanford University	Biogeochemistry; Social Ecology

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Associate Researcher	University of Hawai'i at Mānoa	2020-present
Assistant Researcher	University of Hawai'i at Mānoa	2015-2020
Adjunct Researcher	Canterbury University	2013-2015
Field Supervisor	Hawaii Community College	2006-2008
Ethnobotany Educator	Bishop Museum	2005-2008
Project Coordinator	RCUH	2004-2005

Courses Taught

<u>Course ID</u>	<u>Credits</u>	<u>Semester/Year</u>	<u>No of Students</u>
TPSS/SUST 200	3	Fall 2023	96
TPSS 800	1	Fall 2023	1
TPSS 700	1	Fall 2023	2
TPSS 699	6	Fall 2023	2
TPSS/ANTH 431	1	Fall 2023	8
TPSS 699	6/1	Spring 2023	2/1
GES 499	3	Fall 2022	1
TPSS/SUST 200	3	Fall 2022	120
TPSS 431	1	Fall 2022	11
TPSS 699	5/4/2/1	Fall 2022	1/1/1/1
TPSS 499	3	Summer 2022	1
TPSS 699	5	Summer 2022	1
TPSS 699	8/5/2/1	Spring 2022	1/1/1/1
TPSS 700	1	Spring 2022	1
TPSS/SUST 200	3	Fall 2021	104
TPSS 431	1	Fall 2021	18
TPSS 699	6/3/2/1	Fall 2021	1/2/1/1
TPSS 699	1	Summer 2021	1
TPSS 699	6/3/1	Spring 2021	2/1/1
TPSS 700	1	Spring 2021	2
TPSS/SUST 200	3	Fall 2020	95
TPSS 431	1	Fall 2020	16
TPSS 699	6/3/1	Fall 2020	2/1/1
TPSS 700	1	Fall 2020	2
TPSS 699	7/5/3/1	Spring 2020	1/1/2/1
TPSS 700	1	Spring 2020	1
TPSS/SUST 200	3	Fall 2019	64
TPSS/ANTH 431	1	Fall 2019	16

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TPSS 699	7/6/2	Fall 2019	1/2/1
TPSS 699	2	Summer 2019	1
TPSS 499	2	Spring 2019	2
TPSS 699	4/3/1	Spring 2019	1/2/2
TPSS 700	1	Spring 2019	1
OCN 499	3	Fall 2018	1
TPSS 200	3	Fall 2018	40
TPSS 431	1	Fall 2018	13
TPSS 699	3/2/1	Fall 2018	2/1/2
TPSS 156 / L	4	Summer 2018	14
OCN 499	3/1	Spring 2018	1/1
TPSS 499	3	Spring 2018	1
TPSS 699	3/1	Spring 2018	2/2
OCN 499	1	Fall 2017	1
TPSS 200	3	Fall 2017	21
TPSS 431	1	Fall 2017	5
TPSS 699	5/1	Fall 2017	1/1
TPSS 156 / L	4	Summer 2017	22
BIO 156 (Hilo)	3	Summer 2017	10
MARE 156L (Hilo)	1	Summer 2017	10
NREM 699	3/1	Spring 2017	1/1
TPSS 499	3/1	Spring 2017	1/1
TPSS 200	3	Fall 2016	18
TPSS 491	1	Fall 2016	4
TPSS 499	3/2	Fall 2016	1/1
TPSS 670	3	Fall 2016	4
TPSS 499	1	Summer 2016	1
BIO 156 (Hilo)	3	Summer 2016	10
MARE 156L (Hilo)	1	Summer 2016	10
TPSS 499	3/1	Spring 2016	1/1
TPSS 200	3	Fall 2015	25
TPSS 499	3	Fall 2015	1

Leadership Roles (while at UH Mānoa)

Professional

2020 – Present	Member	Society of Economic Botany
2018 – Present	Member	Kaulunani Urban and Community Forestry Council
2018 – Present	Team Member	Transforming Hawai'i's Food System Together
2018 – Present	Member	AgHUI
2017 – Present	Member	Ecological Society of America
2016 – Present	Member	American Society of Horticultural Science
2016 – 2018	Member	Kukaniloko Master Planning Committee
2015 – Present	Member	Society for Hawaiian Archaeology

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

2022 – Present	Board Member	Hawai'i 'Ulu Producers Cooperative
2018 – Present	Board Member	Hawai'i Farmers' Union United: Kona Chapter
2018 – Present	Production Advisor	Hawai'i 'Ulu Producers Cooperative
2018 – Present	Production Advisor	Kuleana Rum
2018 – Present	Cultural Advisor	Kuleana Rum
2017 – Present	Board Member	'Āina Momona

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2017 – Present	Board Member	Friends of the Amy BH Greenwell Ethnobotanical Garden
2016 – Present	Board Member	Ulu Mau Puanui
2015 – Present	Science Advisor	Ulu Mau Puanui

University and System

UHM Faculty Senate; 2016-2018
Committee of Professional Matters; 2017-2018
All Campus Faculty Senate; 2017-2018
UHM New Faculty Orientation Presenter; 2017
CAE Presenter; 2017
Hanai Host Faculty Mentorship Program; 2018-2019
OIWI Leadership Institute; 2018-2019
Presidents Emerging Leadership Program; 2018-2019
CTAHR Representative to Sustainability Institute; 2018-2019

College

CTAHR Hawaii County Administrator Hiring Committee; 2023
CTAHR Dean Hiring Committee; 2017
CTAHR Hawaii County Administrator Hiring Committee; 2020
CTAHR Cultural Advisory Board; 2017-2022
CTAHR Taro Research Advisory Board; 2022-Present
CTAHR Local Food System Working Group; 2015-Present
CTAHR Faculty Senate; 2015-2019
CTAHR Senate Instructional Committee; 2015-2017
CTAHR Senate Leadership Committee; 2017-2019
CTAHR Soils Collaborative; 2017-Present
CTAHR Undergraduate Showcase Judge; 2 years

Unit/Department

TAE Curriculum Committee; 2016-2022
TPSS Graduate Program Committee; 2016-2022
TPSS Instructor Search Committee; 4 hires
TPSS Extension Agent Search Committee; 3 hire
TPSS Department Personnel Search Committee; 1 hire
TPSS Undergraduate Advisor; 2018-Present
TPSS Magoon and Pope Facilities Committee; 2017-2019

Graduate Students

<u>Category</u>	<u>Current Students</u>	<u>Graduated</u>
Chair of Master Committees	7	6
Chair of PhD Committees	4	0
Member of Master Committees	1	2
Member of PhD Committees	1	1

Publications

Books

Lincoln, N.K. (2020) Ko: An Ethnobotanical Guide to Native Hawaiian Sugarcane Varieties.
University of Hawai‘i Press; Honolulu, Hawai‘i, USA

Book Chapters

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- Lincoln, N. K.**, Vaughan, M. B., & Kurashima, N. Hawai'i. In Beamer, K., Vitousek, P.M. and Tau, T [Eds] *Islands and Cultures*, pp. 35-75. Yale University Press; New Haven, CT, USA.
- Lincoln, N.K.** (2020). State of Our Starches. In Goodyear-Ka'ōpua, N., Howes, C., Osorio, J. K. K. O., & Yamashiro, A. [Eds] *The Value of Hawai'i 3: Hulihia, the Turning*. University of Hawai'i Press; Honolulu, Hawai'i, USA.
- Lincoln, N. K.**, Kagawa-Viviani, A., Marshall, K., and Vitousek, P. (2017) Observations of Sugarcane in Traditional Hawaiian Cropping Systems. In Rachel Murphy [Ed] *Sugarcane: Production Systems, Uses, and Economic Impact*. Nova Science Publishers, Hauppauge, NY, USA

Refereed Journal Publications

- Autufuga, D., Quintus, S., Yoo, K., Day, S., Huebert, J., Deenik, J., & **Lincoln, N. K.** (2023). Distribution of Soil Nutrients and Ancient Agriculture on Young Volcanic Soils of Ta 'ū, American Samoa. *Soil Systems*, 7(2), 52.
- de Pinho, R. C., Pequeno, P. A. C. L., Alfaia, S. S., Barbosa, R. I., & **Lincoln, N. K.** (2023). Soil fertility in indigenous swidden fields and fallows in northern Amazonia, Brazil. *Soil Use and Management*. doi 10.1111/sum.12886
- Erland, L. A., Needham, A. M., Kehinde, A. Z., Adebowale, A. P., **Lincoln, N. K.**, Ragone, D., & Murch, S. J. (2023). Impact of microclimate on *Artocarpus altilis* (Parkinson) Fosberg var *Ma'afala* fruit and nutritional quality. *Journal of Food Composition and Analysis*, 115, 104983.
- Lincoln, N.K.**, Santiago, R. P., Tatum, D., Del Valle-Echevarria, A. (2023) Evidence of Downregulation in Atmospheric Nitrogen-Fixation in Native Hawaiian Sugarcane (*Saccharum officinarum* L.) Cultivars. *Plants*, 12(3), 605.
- Lincoln, N. K.**, Haensel, T. P., & Lee, T. M. (2023). Modeling Hawaiian Agroecology: Depicting traditional adaptation to the world's most diverse environment. *Frontiers in Sustainable Food Systems*, 7.
- Livingston, C. & **Lincoln, N.K.** 2023. Determining Allometry and Carbon Sequestration Potential of Breadfruit (*Artocarpus altilis*) as a Climate-Smart Staple in Hawai'i. *Sustainability* 15, no. 22: 15682. <https://doi.org/10.3390/su152215682>
- Soong, K. V., **Lincoln, N. K.**, Lee, T. M., & Ladefoged, T. N. (2023). Assessing spatial models of Hawaiian agroecological extents. *Journal of Archaeological Science: Reports*, 51, 104121.
- Wiseman, B. J., Paull, R. E., **Lincoln, N. K.**, & Wall, M. M. (2023). 1-methylcyclopropene and Harvest Maturity Impact 'Ma'afala' Breadfruit Postharvest Storage. *HortScience*, 58(6), 666-670.
- Berning, E. H., Andersen, C. V. H., Mertz, O., Dickinson, N., Opgenorth, M., **Lincoln, N. K.**, ... & Rønsted, N. (2022). Resilience of breadfruit agro-ecosystems in Hawai'i during the COVID-19 pandemic. *CABI Agriculture and Bioscience*, 3(1), 1-8.
- Lincoln, N.**, Anderson, T., Kantar, M., You, Q., & Wang, J. (2022). Diversity and Value of Extant Hawaiian Sugarcane (*Saccharum officinarum* [L.] Cultivars. *Economic Botany*, 1-15.
- Quintus, S., Mills, P., Konter, J., Day, S., Gilreath, D., **Lincoln, N.K.**, Lundblad, S., Vonderhaar, D., and Yoo, K. (2022) Trace element and Pb isotope analyses highlight decentralized inter-island exchange in American Sāmoa (Polynesia). *Archaeological and Anthropological Sciences*, 14:103. <https://doi.org/10.1007/s12520-022-01571-w>
- Sirabis, W. C., Kantar, M. B., Radovich, T., & **Lincoln, N. K.** (2022). Nitrogen Dynamics and Sweet Potato Production under Indigenous Soil Moisture Conservation Practices in the Leeward Kohala Field System, Hawai'i Island. *Soil Systems*, 6(1), 16.
- Wiseman B.J., **Lincoln N.K.**, Wall M.M., Paull R.C. 2022. Influence of Maturity and 1-MCP on Postharvest Ripening of Breadfruit [abstract]. *HortScience* 57(9S):S111. <https://doi.org/10.21273/HORTSCI.57.9S.S1>
- Bendes, M. S., & **Lincoln, N. K.** (2021). Impacts of underground competition and establishment on growth and root ARCHITECTURE of breadfruit (*Artocarpus altilis*) and māmakī (*Pipturus albidus*). *Rhizosphere*, 100337.

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- Eng, S., Khun, T., Esquivel, M., Ooki, N., Bloese, J., Sand, S., & **Lincoln, N.** (2021). Farmers' Perceived Needs of Extension' Support During Covid-19 in Hawai'i. *Journal of Extension*, 59(2), 15.
- Fardkhales, S. A., & **Lincoln, N.** (2021). Food hubs play an essential role in the COVID-19 response in Hawai 'i. *Journal of Agriculture, Food Systems, and Community Development*, 10(2), 1-18.
- Lincoln, N.**, Zhang, Q., & Chen, Q. (2021). State of the State Tree: Historical and Modern Ecology of Kukui (Candlenut, *Aleurites Moluccanus*) in Hawai 'i. *Pacific Science*, 74(4), 419-434.
- Quintus, S., Autufuga, D., Day, S., Huebert, J., **Lincoln, N. K.**, Motu, N., & Yoo, K. (2021). Tracking Emergent Spatial and Social Patterns across Terraced Landscapes in Polynesia. *Journal of Field Archaeology*, 1-16.
- Hill, A. J., **Lincoln, N. K.**, Rachmilevitch, S., & Shelef, O. (2020). Modified Hiltner Dew Balance to Re-Estimate Dewfall Accumulation as a Reliable Water Source in the Negev Desert. *Water*, 12(10), 2952.
- Lincoln, N. K.** (2020). Agroforestry form and ecological adaptation in ancient Hawai'i: Extent of the pākukui swidden system of Hāmākua, Hawai'i Island. *Agricultural Systems*, 181, 102808.
- Mausio, K., Miura, T., & **Lincoln, N. K.** (2020). Cultivation potential projections of breadfruit (*Artocarpus altilis*) under climate change scenarios using an empirically validated suitability model calibrated in Hawai'i. *Plos one*, 15(5), e0228552.
- Needham, A., Jha, R., & **Lincoln, N. K.** (2020). The Response of Breadfruit Nutrition to Local Climate and Soil: A Review. *Journal of Food Composition and Analysis*, 103451.
- Quintus, S., Huebert, J., Day, S., **Lincoln, N.**, Yoo, K., Lee, T., ... & Autufuga, D. (2020). Tempo and Trajectory of The Built Landscape on Ta 'Ū Island, Manu'a Group, American Sāmoa: Integrating Extensive Radiocarbon Dating With Joint Posterior Modeling. *Radiocarbon*, 1-21.
- Winter, K., **Lincoln, N.**, Berkes, F., Alegado, R., Kurashima, N., Frank, K., ... & McClatchey, W. (2020). Ecomimicry in Indigenous resource management: optimizing ecosystem services to achieve resource abundance, with examples from Hawai'i. *Ecology and Society*, 25(2).
- Winter, K., Rii, Y., Reppun, F., Hintzen, K., Alegado, R., Bowen, B., ...**Lincoln, N.**,... & Falinski, K. (2020). Collaborative research to inform adaptive comanagement: a framework for the He'eia National Estuarine Research Reserve. *Ecology and Society*, 25(4).
- Lincoln, N. K.**, Cho, A., Dow, G., & Radovich, T. (2019). Early Growth of Breadfruit in a Variety× Environment Trial. *Agronomy Journal*, 111(6), 3020-3027.
- Lincoln, N.K.**, Radovich, T., Acosta, K., Isele, E., Cho, A. (2019). Towards standardization of foliar tissue sampling of breadfruit. *Hort. Tech.* 29(4):443-449
- Needham, A., & **Lincoln, N.** (2019). Interactions between People and Breadfruit in Hawai'i: Consumption, Preparation, and Sourcing Patterns. *Sustainability*, 11(18), 4983.
- Quintus, S., Huebert, J., Kirch, P. V., **Lincoln, N.K.**, & Maxwell, J. (2019). Qualities and Contributions of Agroforestry Practices and Novel Forests in Pre-European Polynesia and the Polynesian Outliers. *Human Ecology*, 1-15.
- Kagawa-Viviani, A., Levin, P., Johnson, E., Kantar, M., Ooka, J., Baker, J.D., and **Lincoln, N.K.** (2018) I ke ēwe 'āina o ke kupuna: Hawaiian ancestral crops in perspective. *Sustainability* 10(12), 4607
- Langston, B., and **Lincoln, N.K.** (2018). The role of breadfruit in biocultural restoration and sustainability in Hawai'i. *Sustainability* 10(11), 3965
- Lincoln, N.K.**, Rossen, J., Vitousek, P., Kahoonei, J., Shapiro, D., Kalawe, K., Pai, M., Marshall, K., and Meheula, K. (2018). Restoration of 'āina malo'ō on Hawai'i Island: Expanding Biocultural Relationships. *Sustainability* 10(11), 3985
- Lincoln, N.K.**, McCoy, M.D., and Ladefoged, T. (2018). Stable carbon and nitrogen isotopes in kukui (*Aleurites moluccanus*) endocarp along rainfall and elevation gradients: archaeological implications. *PLoS One* 13(10), e0204654
- Kagawa-Viviani, A., **Lincoln, N.K.**, Quintus, S., Lucas, M., & Giambelluca, T. (2018). Spatial patterns of seasonal crop production suggest coordination within and across dryland agricultural systems

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- Ladefoged, T. N., Preston, A., Vitousek, P. M., Chadwick, O. A., Stein, J., Graves, M. W., & **Lincoln, N.K.** (2018). Soil nutrients and pre-European contact agriculture in the leeward Kohala field system, Island of Hawai 'i. *Archaeology in Oceania*, 53(1), 28-40.
- Lincoln, N.K.**, D. Ragone, N. Zerega, L.B. Roberts-Nkrumah, M. Merlin, and A.M Jones. (2018). Grow us our daily bread: A review of breadfruit cultivation in traditional and contemporary systems. *Horticultural Reviews*, 46, 288-384.
- Quintus, S., & **Lincoln, N. K.** (2018). Integrating Local and Regional in Pre-Contact Hawaiian Agriculture at Kahuku, Hawai'i Island. *Environmental Archaeology* 2018, 1-16.
- Winter, K.B., **Lincoln, N.K.**, and Berkes, F. (2018). The socio-ecological keystone concept: A quantifiable metaphor for understanding the structure, function, and resilience of a biocultural system. *Sustainability*. 10(9), 3294.
- Gould, R., and **Lincoln, N. K.** (2017) Expanding the suite of Cultural Ecosystem Services to include ingenuity, perspective, and life teaching. *Ecosystem Services* 25(2017), 117-127.
- Lincoln, N. K.**, and Vitousek, P. M. (2017). Indigenous Polynesian Agriculture in Hawai'i. *Oxford Research Encyclopedias; Environmental Science* March (2017). DOI: 10.1093/acrefore/9780199389414.013.376
- Marshall, K., Koseff, C., Roberts, A., Lindsey, A., Kagawa-Viviani, A., **Lincoln, N. K.**, and Vitousek, P. (2017). Restoring People and Productivity to Puanui: Challenges and opportunities in the restoration of an intensive rain-fed Hawaiian field system. *Ecology and Society* 22(2): 23-32
- Lincoln, N.** & Ardoin, N. (2016). Farmer Typologies: Who is Farming How and What. *Food, Culture, and Environment* 19(3): 563-585
- Giovanni, Z., Irene, P., András, B., Jon, C., Roberta, A., & **Lincoln, N. K.** (2015). Sustainable landscape development and value rigidity: the Pirsig's monkey trap. *Landscape Online* 40, 1-19
- Lincoln, N.**, & Ardoin, N. (2015) Cultivating Values: Environmental Values and Sense of Place as Predictors for Sustainable Agricultural Practices in Five Categories. *Culture, Agriculture, and the Environment*, 33(2), 389-401
- Lincoln, N.**, & Vitousek, P. M. (2015) Effects of Sugarcane and Farming Practices on Nitrogen Distribution and Cycling in Pre-European Hawaiian Agriculture. *International Journal of Sustainable Agriculture*, 14(2), 214-231

Non-refereed Journal Publications

- Chang, K., Winter, K.B., and **Lincoln, N.K.** (2019) Hawai'i in focus: navigating pathways in global biocultural leadership. *Sustainability* 11(1), 283
- Langston, B.J., and **Lincoln, N.K.** (2019) Benefits of Citizen Science in Agronomic Research: The breadfruit phenology project. *Rural Connections* (Spr/Sum), 30-32.
- Lincoln, N.K.** (2019). Learning from Indigenous Agriculture. *Nature Sustainability* 1(1), 167

Extension Publications

- Wiseman, B. R. Paull, **N. Lincoln** & M. Wall. 2023. Ma'afala Breadfruit: When to Harvest? University of Hawaii at Manoa, College of Tropical Agriculture and Human Resources. Fruit, Nut, and Beverage Crops, FN-66.
- Lincoln, N.**, Autufuga, D., Uchida, J., Redfern, T., Jones, A., & Ragone, D. (2021). Breadfruit and Breadfruit Diseases in Hawai'i. College of Tropical Agriculture and Human Resources.
- Wiseman, B., Chen, N.J., **Lincoln, N.**, and Paull, R. (2021) 'Ulu — Breadfruit — Postharvest Handling and Quality Maintenance Guidelines. College of Tropical Agriculture and Human Resources.
- Lincoln, N.** (2020) Nutrient Management for Breadfruit Production. ICS Lab; Hilo, HI.
- Lincoln, N.**, Lucero, A., Ednie, E., Isele, E., and Shapiro, D. (2019). 'Ulu Propagation Techniques for Backyard and Commercial Growers. Hawai'i 'Ulu Producers Cooperative.
- Lincoln, N.**, Lucero, A., Carter, C., and Shapiro, D., (2019). Pruning Breadfruit. Hawai'i 'Ulu Producers Cooperative.

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Creative Works

Lincoln, N. (2017) Description of Hawaiian Sugarcane Varieties. Retrieved from: <http://cms.ctahr.hawaii.edu/cane>

Grant Support

Title of Grant: AgriWatch: Innovating Agriculture Disaster Response with AI-Empowered Real-Time Monitoring

Source of Grant: USDA-NIFA-Disaster Response

Dollar Value: \$268,472

Dates of Grant: December 2023 – November 2024

Role: Co-PI

Title of Grant: Lauhala: Weaving Knowledges and Practices with a Climate Resilient and Culturally Significant Plant on Hawai'i Island

Source of Grant: USDA-ANNH

Dollar Value: \$499,404

Dates of Grant: September 2023 – September 2025

Role: PI

Title of Grant: Type 1: Climate Resilient Food Innovation Network (CLiRFIN) for Hawai'i and the USAPI Region

Source of Grant: NSF ENGINES

Dollar Value: \$1,000,000

Dates of Grant: June 2021-June 2022

Role: Co-PI

Title of Grant: Building Pilina: Community Engagement for Kūkaniloko

Source of Grant: Office of Hawaiian Affairs

Dollar Value: \$240,000

Dates of Grant: June 2023-June 2025

Role: PI

Title of Grant: Improving Breadfruit Cultivar Access for Industry Expansion and Quality

Source of Grant: Hawaii Dept. of Agriculture

Dollar Value: \$29,693

Dates of Grant: March 2023 – September 2024

Role: PI

Title of Grant: GoFarm Hawaii (GFH): Growing Hawaii's

Source of Grant: USDA-ANNH

Dollar Value: \$440,984

Dates of Grant: September 2022 – September 2025

Role: Co-PI

Title of Grant: Soil Rehabilitation Planning and Implementation for Kūkaniloko

Source of Grant: Office of Hawaiian Affairs

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Dollar Value: \$80,000
Dates of Grant: June 2021-June 2022
Role: PI

Title of Grant: Soil Rehabilitation Planning and Implementation for Kūkaniloko
Source of Grant: Office of Hawaiian Affairs
Dollar Value: \$80,000
Dates of Grant: June 2021-June 2022
Role: PI

Title of Grant: Leveraging Existing Research Plantings of Breadfruit (*Artocarpus altilis*) to Understand Drivers of Fruit Quality and its Impacts on Post-Harvest Processes and Profits
Source of Grant: Office of Hawaiian Affairs
Dollar Value: \$480,000
Dates of Grant: January 2021 – December 2025
Role: PI

Title of Grant: Soil Rehabilitation Planning and Implementation for Kūkaniloko
Source of Grant: Office of Hawaiian Affairs
Dollar Value: \$50,000
Dates of Grant: June 2020-June 2021
Role: PI

Title of Grant: Soil Pedogenesis, Agroecology, and their Interactions
Source of Grant: National Science Foundation
Dollar Value: \$822,484
Dates of Grant: July 2020-June 2025
Role: PI

Title of Grant: Soil Rehabilitation Planning and Implementation for Kūkaniloko
Source of Grant: Office of Hawaiian Affairs
Dollar Value: \$50,000
Dates of Grant: April 2019-April 2020
Role: PI

Title of Grant: Cataloging and Testing Breadfruit Diseases in Hawai'i
Source of Grant: Western SARE
Dollar Value: \$49,998
Dates of Grant: July 2019-June 2021
Role: PI

Title of Grant: Land Suitability Analysis for Crop Growth in Hawai'i
Source of Grant: HATCH-USDA
Dollar Value: \$80,000
Dates of Grant: October 2017-October 2019
Role: Co-PI

Title of Grant: Supplementary Funding for Breadfruit Variety Trials in Maui County
Source of Grant: Maui County R&D

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Dollar Value: \$2,750
Dates of Grant: January 2019-December 2019
Role: PI

Title of Grant: Supplementary Funding for Experimental Breadfruit Processing Facility in
Honalo, Hawai'i
Source of Grant: Hawai'i State Department of Agriculture
Dollar Value: \$15,000
Dates of Grant: January 2018-June 2018
Role: PI

Title of Grant: Hawai'i Conservation Experience
Source of Grant: Dorrance Family Foundation
Dollar Value: \$70,000
Dates of Grant: January 2017-August 2017
Role: Co-PI

Title of Grant: Examining the Development of Economic Landscapes on Tau Island from 1500-
200BP
Source of Grant: NSF-Archaeology
Dollar Value: \$231,943
Dates of Grant: May 2017-May 2020
Role: Co-PI

Title of Grant: Establishing a Commercial-scale Breadfruit Propagation Facility in Hawai'i
County
Source of Grant: Hawai'i County R&D
Dollar Value: \$24,982
Dates of Grant: January 2017 – December 2017
Role: PI

Title of Grant: Establishing a Commercial-scale Breadfruit Propagation Facility in Hawai'i
County
Source of Grant: Hawai'i State Department of Agriculture
Dollar Value: \$30,000
Dates of Grant: January 2017 – December 2017
Role: PI

Title of Grant: Experiential Learning 4 Resilient C's: Culture, Community, Conservation, and
Climate
Source of Grant: USDA-NIFA
Dollar Value: \$278,688
Dates of Grant: April 2017 – May 2020
Role: Co-PI

Title of Grant: Gut Microbiome Changes During Introduction of Poi as the First Solid Food in
Breastfed Infants
Source of Grant: C-MAIKI
Dollar Value: \$25,000

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Dates of Grant: June 2017 – June 2020

Role: Co-PI

Title of Grant: Publication and Promotion of *Kō: An Ethnobotanical Guide to Native Hawaiian Sugarcane Varieties*

Source of Grant: Private Donor

Dollar Value: \$30,000

Dates of Grant: June 2017 – June 2020

Role: PI

Title of Grant: Breadfruit Production Practices

Source of Grant: Western SARE

Dollar Value: \$220,812

Dates of Grant: April 2017 – April 2020

Role: PI

Title of Grant: Nutrient Supply to Plant Growth from Mixed-Litter Decomposition

Source of Grant: USDA-HATCH

Dollar Value: \$63,000

Dates of Grant: October 2016 – October 2018

Role: PI

Title of Grant: Evaluation of Breadfruit Varieties in Maui County Source of Grant: C-MAIKI

Dollar Value: \$11,550

Dates of Grant: June 2017 – June 2018

Role: Co-PI

Presentations at Conferences

Title: *CLiRFIN Initiative*

Authors (put an asterisk on the presenter): Lincoln, N*, Franklin, E*, Tubon, T*, Fry, C*

Name of Conference: THRIVE: Hawaii Agrifood Summit

Date of Presentation: Sep 7th, 2023

Title: *Breadfruit: Unlocking the Potential of Varieties*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Global Breadfruit Summit

Date of Presentation: Aug 22th, 2023

Title: *Island Evolution and Hawaiian Agroecology*

Authors (put an asterisk on the presenter): Lincoln, N*, Haensel, T., and Lee, T

Name of Conference: Ecological Society of America

Date of Presentation: Aug 7th, 2023

Title: *Keynote: Islands and Island Earth*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Malama Honua

Date of Presentation: July 20th, 2023

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Title: *Island Evolution and Hawaiian Agroecology*
Authors (put an asterisk on the presenter): Lincoln, N*
Name of Conference: Hawaii Ecosystem Meetings
Date of Presentation: July 6th, 2023

Title: *Ethnobotany and Agricultural Research*
Authors (put an asterisk on the presenter): Lincoln, N*
Name of Conference: Society of Economic Botany
Date of Presentation: June 6th, 2023

Title: *Breadfruit Research Priorities*
Authors (put an asterisk on the presenter): Lincoln, N*
Name of Conference: Global Breadfruit Summit
Date of Presentation: Oct 18th, 2022

Title: *Sustainable Pathways of Hawala Valley*
Authors (put an asterisk on the presenter): Kirch, P*, Lincoln, N and Swift, J.
Name of Conference: Society for Hawaiian Archaeology
Date of Presentation: Oct 10th, 2022

Title: *Hawai'i County Regional Food Economy*
Authors (put an asterisk on the presenter): Freeman, S., Shapiro, D., Milne, N., Lincoln, N, Albrecht, K., and Haws, M.
Name of Conference: Hawai'i Ag Conference
Date of Presentation: Sep 28th, 2022

Title: *Hawaii Island Biogeochemistry*
Authors (put an asterisk on the presenter): Haensel, T.* and Lincoln, N
Name of Conference: Goldschmidt
Date of Presentation: July 14th, 2022

Title: *Food Security in Hawai'i*
Authors (put an asterisk on the presenter): Lincoln, N*
Name of Conference: Council for Native Hawaiian Advancement
Date of Presentation: July 6th, 2022

Title: *Agroforestry in Hawai'i*
Authors (put an asterisk on the presenter): Lincoln, N*
Name of Conference: Hawaii Ecosystem Meetings
Date of Presentation: June 30th, 2022

Title: *Hawaiian Agroecology: Past and Present*
Authors (put an asterisk on the presenter): Lincoln, N*
Name of Conference: Food Relative Conference
Date of Presentation: Apr 1st, 2022

Title: *Value and Diversity of Native Hawaiian Sugarcane*
Authors (put an asterisk on the presenter): Lincoln, N* and Kantar, M.
Name of Conference: Society for Economic Botany

CTAHR BIO-Bibliography

Date of Presentation: Mar 31st, 2022

Title: *Forest Gardens*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Society for Environmental Toxicology and Chemistry

Date of Presentation: Mar 25th, 2022

Title: *The Hawaiian Footprint*

Authors (put an asterisk on the presenter): Lincoln, N* and Qian, Q.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 2nd, 2021

Title: *Historical Ecology of Kukui in Hawai'i*

Authors (put an asterisk on the presenter): Lincoln, N* and Qian, Q.

Name of Conference: Hawai'i Conservation Conference

Date of Presentation: Jun 25th, 2021

Title: *The Extent of Pre-European Forest Modification in Hawai'i*

Authors (put an asterisk on the presenter): Lincoln, N* and Qian, Q.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 25th, 2019

Title: *Adapting Island Agriculture to Climate Change*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Society for Advancing Chicanos/Hispanics and Native Americans in Science

Date of Presentation: Oct 31st, 2019

Title: *Niche Construction as a framework for Understanding Hawaiian Agricultural Evolution*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Society for Advancing Chicanos/Hispanics and Native Americans in Science

Date of Presentation: Nov 1st, 2019

Title: *Breadfruit Production: Current State and Future Challenges*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Hawaii Agricultural Conference

Date of Presentation: Oct 14th, 2019

Title: *Impacts of Kalo as a First-Food on Human gut Microbiome.*

Authors (put an asterisk on the presenter): Baumhauser, K., Frank, K., Lincoln, N*

Name of Conference: Pacific Biosciences Research Center Symposium

Date of Presentation: May 10th, 2019

Title: *The Extent of Pre-European Forest Modification in Hawai'i*

Authors (put an asterisk on the presenter): Lincoln, N* and Qian, Q.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 25th, 2019

Title: *The Extent of Pre-European Forest Modification in Hawai'i*

CTAHR BIO-Bibliography

Authors (put an asterisk on the presenter): Lincoln, N* and Qian, Q.

Name of Conference: Hawaii Conservation Conference

Date of Presentation: June 10th, 2019

Title: *'Āina Mālo'o and Biocultural Restoration.*

Authors (put an asterisk on the presenter): Lincoln, N.*, Rossen, J., Vitousek, P., Pae, M., Kalawe, K., Kahoonui, J., and Meheula, K.

Name of Conference: Hawaii Conservation Conference

Date of Presentation: Jun 10th, 2019

Title: *Breadfruit Research for Pacific Island Production*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Pacific Island Forestry Coalition

Date of Presentation: May 14th, 2019

Title: *Breadfruit Propagation at Small, Medium, and Large Scale: A Hands-On Summary of Practices.*

Authors (put an asterisk on the presenter): Lincoln, N* and Shapiro, D.

Name of Conference: Pacific Island Forestry Coalition

Date of Presentation: May 14th, 2019

Title: *Traditional Hawaiian Forestry Practices*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Pacific Island Forestry Coalition

Date of Presentation: May 14th, 2019

Title: *Traditional and Contemporary Propagation of Hawaiian Crops.*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: International Plant Propagators Society Annual Meeting

Date of Presentation: Oct 6th, 2018

Title: *Climactic Drivers to Nutrient Cycling in Agroforestry*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Hawaii Ecosystem Meetings

Date of Presentation: June 1st, 2019

Title: *Student Diversity, Plant Varieties, and Hybrid Methods*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: American Society of Horticultural Science

Date of Presentation: August 20th, 2019

Title: *Breadfruit in Hawai'i's Food Systems: Past, Present, and Future*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: American Society of Horticultural Science

Date of Presentation: August 20th, 2019

Title: *Paleobotanical Samples of the Kohala Field System*

Authors (put an asterisk on the presenter): Lincoln, N*

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Name of Conference: Hawaii Ecosystem Meetings

Date of Presentation: June 30th, 2019

Title: *Indicators of Soil Fertility in the Ka'u Field System*

Authors (put an asterisk on the presenter): Quintus, S* and Lincoln, N.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 20th, 2017

Title: *Mixed Litter Decomposition Dynamics*

Authors (put an asterisk on the presenter): Lincoln, N.*, Bosner, J. and Hutchins, L..

Name of Conference: Ecological Society of America

Date of Presentation: Aug 20th, 2017

Title: *Plenary Panel on Indigenous Epistemology to Sustainability*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Hawaii Sustainability in Higher Education Summit

Date of Presentation: May 25th, 2017

Title: *The Role of Agroecology and Indigenous Science in (Re)Developing Sustainable Community Food and Farming Systems for Hawai'i and Beyond.*

Authors (put an asterisk on the presenter): Miles, A.* and Lincoln, N*

Name of Conference: World Conservation Conference

Date of Presentation: June 5th, 2016

Title: *When You're Hungry, You Harvest*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Hawaii Conservation Alliance – Biocultural Stories of the Pacific

Date of Presentation: Jun 4th, 2016

Title: *Establishing Long-term Agroforestry Sites*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Hawaii Ecosystem Meetings

Date of Presentation: Jun 4th, 2016

Title: *Teaching Indigenous Agriculture*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: North American Colleges and Teachers of Agriculture

Date of Presentation: Mar 6th, 2016

Title: *Food for Thought: Sovereignty, Security, and Science*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Native American and Indigenous Studies Association

Date of Presentation: Mar 4th, 2016

Title: *Effects of Monotypic Canopies on Earthworm Abundance and Disturbance by Feral Pigs*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Association of Tropical Biology Conference

Date of Presentation: Jun 4th, 2015

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Title: *Lessons in Resilience from Hawaiian Agriculture*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Ecological Society of America

Date of Presentation: August 4th, 2015

Title: *Role of Indigenous Crops in Modern Food Security*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: National Association of State Departments of Agriculture

Date of Presentation: May 4th, 2015

Title: *Effects of Monotypic Canopies on Earthworm Abundance and Disturbance by Feral Pigs*

Authors (put an asterisk on the presenter): Lincoln, N*

Name of Conference: Hawaii Conservation Conference

Date of Presentation: Jun 28th, 2015