

CTAHR BIO-Bibliography

Noa Kekuwa 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 800	1	Spring 2024	1
TPSS 699	3	Spring 2025	5
TPSS 431	1	Fall 2024	13
TPSS 800	1	Fall 2024	1
TPSS 699	1	Fall 2024	4
TPSS 499	1	Fall 2024	1
TPSS 800	1	Spring 2024	1
TPSS 700	1	Spring 2024	2
TPSS 699	3	Spring 2024	2
TPSS 499	1	Spring 2024	1
TPSS/SUST 200 01	3	Fall 2023	20
TPSS/SUST 200 02	3	Fall 2023	20
TPSS/SUST 200 03	3	Fall 2023	56
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 01	3	Fall 2022	20
TPSS/SUST 200 02	3	Fall 2022	20
TPSS/SUST 200 03	3	Fall 2022	76
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 01	3	Fall 2021	20

CTAHR BIO-Bibliography

TPSS/SUST 200 02	3	Fall 2021	20
TPSS/SUST 200 03	3	Fall 2021	64
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 01	3	Fall 2020	20
TPSS/SUST 200 02	3	Fall 2020	20
TPSS/SUST 200 03	3	Fall 2020	65
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 01	3	Fall 2019	20
TPSS/SUST 200 02	3	Fall 2019	20
TPSS/SUST 200 03	3	Fall 2019	24
TPSS/ANTH 431	1	Fall 2019	16
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

CTAHR BIO-Bibliography

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.)

2024 – Present	Member	Mahukona HILT Master Planning Committee
2022 – Present	Board Member	Hawai'i 'Ulu Producers Cooperative
2020 – 2024	Member	Ag HUI Think Tank
2020 – Present	Member	Transforming Hawaii's Food System Together Think Tank
2018 – 2019	Member	Oahu Comprehensive Economic Development Plan
2018 – Present	Board Member	Hawai'i Farmers' Union United: Kona Chapter
2018 – Present	Advisory Council	Kaulunani Urban and Community Forestry
2018 – Present	Board Member	Slow Food Hawai'i Arc of Taste
2018 – Present	Production Advisor	Hawai'i 'Ulu Producers Cooperative
2018 – Present	Production Advisor	Kuleana Rum
2018 – Present	Cultural Advisor	Kuleana Rum
2018 – Present	Board Member	Kona Producers Cooperative
2018 – 2019	Landscape Advisor	Bishop Museum
2017 – Present	Board Member	'Āina Momona
2017 – Present	Board Member	Friends of the Amy B.H. Greenwell Ethnobotanical Garden
2016 – 2019	Member	Kukaniloko OHA Master Planning Committee
2016 – Present	Board Member	Ulu Mau Puanui
2015 – Present	Science Advisor	Ulu Mau Puanui

University and System

OVPRI Congressional Earmark Development; 2023-2024

Hawaii on the Hill UH Representative; 2023, 2024

Development of MOA of Exchange with Cebu Technological Institute; 2021-Present

UH Strategic Plan Imperative #4 Working Group; 2023-Present

UH SUST Committee; 2018-2020

Hanai Host Faculty Mentor Program; 2018-2019

OIWI Leadership Institute; 2018-2019

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 BIO-Bibliography

Childrens Healthy Living Advisory Board; 2023-Present
Komohana Grounds Restoration; 2023-Present
CTAHR Hawaii County Administrator Hiring Committee; 2023
GoFARM Advisory Panel; 2022-Present
Komohana Tissue Culture Laboratory Committee; 2022-Present
CTAHR Local Food Initiative; 2019-Present
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

Search Committee; Agroforestry Junior Extension Agent; 2024
Search Committee; Pacific Crops Extension Agent; 2023-2024
Search Committee Integrated Ag Researcher; 2019
TPSS Magoon and Pope Facilities Committee; 2017-2019
Search Committee Chair Sustainable Agriculture Extension Agent; 2017-2018
TAE Curriculum Committee; 2016-2022
TPSS Graduate Program Committee; 2016-2022
Search Committee Extension Agent; 2016-2017
Search Committee Junior Extension Agent; 2016
TPSS Undergraduate Advisor – Soils Track; 2016-Present
TPSS Representative to CTAHR Senate; 2015-2019
Search Committee Department Secretary; 2015-2016

Graduate Students

<u>Category</u>	<u>Current Students</u>	<u>Graduated</u>
Chair of Master Committees	5	10
Chair of PhD Committees	4	1
Member of Master Committees	3	7
Member of PhD Committees	1	2

Publications

Books

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

Edited Volumes

Shailesh, S., Settee, P., and **Lincoln, N. K.** (in press) Indigenous Insights, Initiatives, and Innovations for Planetary Health and Sustainable Food Systems. Canadian Scholar Press. [33%, 33%] (see [Book Contract Indigenous Food Systems](#))
Chang, K., Winter, K. B., & **Lincoln, N. K.** (2022). [Biocultural Restoration in Hawai‘i](#). MDPI; Basel, Switzerland. [33%, 33%]

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Book Chapters

- Fialkowski, M.K., Young, C., Antonio, M., **Lincoln, N.K.**, Riley, L. (in press) Traditional Food Systems, Nutrition and Health of Kānaka ʻŌiwi In Ghost, D., Perera, C., Perera, A.D., and Bogueva, D. [Eds]. *Nutritional and Health Aspects of Traditional and Ethnic Foods: Oceania*. Elsevier; Amsterdam, Netherlands.
- Lincoln, N.K.** (in press). “He Kauwā Wale ke Kanaka: Worldview and agriculture in Hawai’i.” In Shulka, S., Sette, P., and Lincoln, N [Eds]. *Indigenous Insights, Initiatives, and Innovations for Planetary Health and Sustainable Food Systems*. Canadian Scholar Press; Toronto, Canada.
- Ogura, S., Hove, E.M., Lepcha, K., **Lincoln, N.K.**, and Fowell, S.J. (in press) “Meaning and Practice of Ancient Grains Cultivation in Three Diverse Localities.” In Shulka, S., Sette, P., and Lincoln, N [Eds]. *Indigenous Insights, Initiatives, and Innovations for Planetary Health and Sustainable Food Systems*. Canadian Scholar Press; Toronto, Canada.
- Sandor, J.A., Homburg, J.A., **Lincoln, N.K.**, & Wiedner, K. (2024). Soils, Agricultural. In *Encyclopedia of Geoarchaeology*. Cham: Springer Nature Switzerland.
- Lincoln, N. K.** (2023). Pakukui: The productive fallow of ancient Hawaii. In Cairns, M. [Ed] *Farmer Innovations and Best Practices by Shifting Cultivators in Asia-Pacific* (pp. 431-453). CABI Press; Oxfordshire, UK.
- Lincoln, N. K.**, Vaughan, M. B., & Kurashima, N. (2022) 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: Huluhia, 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

- Dow, G.J., **Lincoln, N.K.**, Autufuga, D., & Paull, R., (2025). From forests to farming: identification of photosynthetic limitations in breadfruit across diverse environments. *Tree Physiology* 45(2), tpaf007.
- McGuire, G., Keliioomalulu-Holz, K.P., Lee, T.M. & **Lincoln, N.K.** (2025). Constellating cultivationL: texturing agroecological legacies with a mixed-method approach in Hawaii. *Ecology and Society* 30(1):11.
- Cochrane, E.E., Quintus, S., Prebble, M., Tautunu, T.A.A.M., Autufuga, D., **Lincoln, N.** (2024). Collective action problems led to the cultural transformation of Sāmoa 800 years ago. *PLOS ONE* 19(6): e0304850.
- Kirch, P. V., Horrocks, M., Murakami, G., **Lincoln, N. K.**, Autufuga, D., & Swift, J. (2024). Pre-Contact Vegetation and Persistence of Polynesian Cultigens in Hālawā Valley, Moloka’i. *Pacific Science*, 78(1), 1-17.
- Lincoln, N.**, Lee, T.M., Quintus, S. Haensel, T., & Chen, Q. (2024). Agroforestry Distribution and Contributions in Ancient Hawaiian Agriculture. *Human Ecology*.
- Orura, S., Forwell, S.J., Backman, C., **Lincoln, N.K.**, Bulkan, J., Odakawa, K., Sakawa, T., & Shiiba, M. (2024). Meaning of small grains cultivation as a traditional occupation in Japan. *Journal of Occupational Science*, DOI: 10.1080/14427591.2023.2284164
- 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*

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- Management. doi 10.1111/sum.12886
- Erland, L. A., Needham, A. M., Kehinde, A. Z., Adebawale, 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.
- Lee, T. M., & **Lincoln, N. K.** (2023). Forgotten forests: expanding potential land use in traditional Hawaiian agroecosystems, and the social-ecological implications. *Ecology and Society*, 28(4).
- 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>
- Marahatta, S. & **Lincoln, N.K.** (2023). Nematode Communities in the Rhizosphere of 'Ma'afala' Breadfruit (*Artocarpus altilis*) on Hawai'i Island. *Pacific Agriculture and Natural Resources*, 13(1), 1-9.
- 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 mānaki (*Pipturus albidus*). *Rhizosphere*, 100337.
- 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.

CTAHR BIO-Bibliography

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- 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'o 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 of Hawai'i Island. *Ecology and Society*, 23(3), 20
- 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

CTAHR BIO-Bibliography

- 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

- Meilleur, B., **Lincoln, N. K.**, Dobbs, J., Tichenal, C. A., Jones, R. R., and Huang, A. S. (2024). Hawaiian Breadfruit: Ethnobotany, Human Ecology, Agronomy, Nutrition, Modernity. College of Tropical Agriculture and Human Resources; Honolulu, HI.
- 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.**, Trump, A., Mermel, Z., Sansone, D., Dickinson, N. (2022). 'Ulu Agroforestry in Hawai'i. Hawai'i 'Ulu Producers Cooperative, Kainaliu, HI.
- 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.

Creative Works

CTAHR BIO-Bibliography

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

Presentations

Academic Conference

- Lincoln, N. (Oct, 2024). *Hawaiian Agriculture*. First Nations Food Summit; Suquamash, Washington. (Speaker) [100%, 100%]
- Lincoln, N. (Sep, 2024). *Nitrogen Fixation in Hawaiian Sugarcane*. ASHS; Honolulu, Hawaii. (Speaker) [100%, 100%]
- Lincoln, N. (Sep, 2024). *Indigenous Cropping Systems in TPSS*. ASHS; Honolulu, Hawaii. (Speaker) [100%, 100%]
- Lincoln, N. (Sep, 2024). *Soil Carbon Accumulation Under Managed Agroforestry System*. ASHS; Honolulu, Hawaii. (Speaker) [100%, 100%]
- McMillan, H., Lincoln, N., Makasobe, J., & Sato, P. *Community Forestry*. Hawaii Conservation Conference, Honolulu, Hawaii. (Panelist) [25%, 25%]
- Lincoln, N. (Jun, 2024). *Hawaiian Culture and Plant Breeding*. Plant Biology; Honolulu, Hawaii. (Speaker) [100%, 100%]
- Gunasakara, I., Lincoln, N. a& Makasobe, J. (Jun, 2024). *Niu*. Festival of Pacific Arts and Culture; Honolulu, Hawaii. (Panelist) [33%, 33%]
- Li, Z., Chen, Q., Yang, Z., Chen, H., Lincoln, N. K., Cao, C., ... & Willis, P. (Jul, 2024). *Innovative Crop Mapping in Hawaii: The First 10Meter Resolution Cropland Data Layers for 2023*. 12th International Conference on Agro-Geoinformatics; Novi Sad, Serbia. (Speaker) [10%, 5%]
- McMillan, H., Lincoln, N., Sato, P., and Makasobe, J. (Aug, 2024) *Urban and Community Forestry: The Year of the Urban Forest*. Hawaii Conservation Conference; Honolulu, Hawai'i. (Panelist) [25%, 25%]
- Lincoln, N. (Jul, 2024). *The Political Ecology of Hawaii*. Bioregioning Working Group; Virtual. (Invited Speaker) [100%, 100%]
- Lincoln, N. (Jun, 2024). *Indigenous Hawaiian Agriculture: Regenerative?* Plant Biology Annual Meeting; Honolulu, HI. (Invited Speaker) [100%, 100%]
- Lincoln, N. (Jun, 2024). *Ko Kea and Niu Hiwa: Native Hawaiian Crop Varieties*. Festival of Pacific Arts and Culture, Honolulu, HI. (Invited Speaker) [100%, 100%]
- Lincoln, N. Makasobe, J., and Gunasikara, I. (Jun, 2024). *Contemporary Niu Restoration*. . Festival of Pacific Arts and Culture, Honolulu, HI. (Invited Panelist) [33%, 33%]
- Lincoln, N. (Mar, 2024). *Keynote: Agroforestry and Climate Resilience in Hawai'i*. Pacific Island Climate Adaptation Science Center Climate Symposium, Honolulu, HI. (Invited Keynote) [100%, 100%]
- Lincoln, N. (Dec, 2023). *Agriculture and Circular Economies*. University of Hawai'i Research and Innovation Summit; Honolulu, HI. (Invited Presenter) [100%, 100%]
- Lincoln, N. (Nov, 2023). *Agroecological Adaptation in Hawai'i*. American Geophysics Association. Virtual. (Presenter) [100%, 100%]
- Lincoln, N. (Nov, 2023). *Indigenous Perspectives on Climate Change Adaptation*. Legal and Policy Challenges on the Road to Net Zero. Implementing the IRA and Accelerating the Energy Transition, Environmental Law Institute; Washington, D.C. (Invited Speaker) [100%, 100%]
- Franklin, E., Lincoln, N., Tubon, T., and Fry, C. (Sep, 2023) *CLiRFIN Initiative*. THRIVE: Hawaii Agrifood Summit; Honolulu, Hawai'i. (Panelist) [20%, 20%]
- Lincoln, N. (Aug, 2023). *Harnessing Breadfruit Diversity*. Global Breadfruit Summit; Rarotonga, Cook Islands. (Invited Moderator) [10%, 10%]
- Lincoln, N. (Aug, 2023). *Breadfruit: Unlocking the Potential of Varieties*. Global Breadfruit Summit;

CTAHR BIO-Bibliography

- Rarotonga, Cook Islands. (Invited Speaker) [100%, 100%]
- Lincoln, N., Haensel, T., and Lee, T. (Aug, 2023) *Island Evolution and Hawaiian Agroecology*. Ecological Society of America; Portland, Oregon. (Presenter) [75% 80%]
- Lincoln, N. (Jul, 2023) *Keynote: Islands and Island Earth*. Mālama Honua Conference; Hilo, Hawai‘i. (Invited Keynote) [100%, 100%]
- Lincoln, N., Haensel, T., and Lee, T. (Jul, 2023) *Island Evolution and Hawaiian Agroecology*. Hawai‘i Ecosystem Meetings, Hilo, Hawai‘i. (Presenter) [75%, 75%]
- Lincoln, N. and Kantar, M. (Jun, 2023) *Ethnobotany and Agricultural Research*. Society of Economic Botany; Atlanta, Georgia. (Presenter) [75%, 80%]
- Lincoln, N. (Jun, 2023). *Decolonizing Food Systems*. Conference on Asian Pacific American Leadership; Washington, DC. (Invited Speaker) [100%, 100%]
- Lincoln, N. (Apr, 2023). *Breadfruit Research and Education in Hawai‘i*. Sustainable Agriculture Research and Education Western Regional Meeting; Hilo, HI. (Invited Speaker) [100%, 100%]
- Lincoln, N., Zerega, N., and Tufan, H. (Jan, 2023). *Culturally Informed Breeding Practices*. Center for Agroforestry Annual Symposium; Columbia, MO. (Invited Panelist) [33%, 33%]
- Lincoln, N. (Jan, 2023). *Agroforestry in Hawai‘i*. Center for Agroforestry Annual Symposium; Columbia, MO. (Invited Speaker) [100%, 100%]
- Lincoln, N. (Oct, 2022) *Breadfruit Research Priorities*. Global Breadfruit Summit; Honolulu, Hawai‘i. (Invited Panelist) [20%, 20%]
- Lincoln, N. (Oct, 2022). *Biocultural Restoration in Hawai‘i*. Hawaii Book and Music Festival; Honolulu, Hawai‘i. (Invited Speaker) [100%, 100%]
- Lincoln, N. (Oct, 2022). *Soil Methods in Archaeology*. Society for Hawaiian Archaeology; Kona, Hawai‘i. (Invited Speaker) [100%, 100%]
- Kirch, P., Lincoln, N., and Swift, J. (Oct, 2022). *Sustainable Pathways of Halawa Valley*. Society for Hawaiian Archaeology; Kona, Hawai‘i. (Presenter) [30%, 30%]
- Freeman, S., Shapiro, D., Milne, N., Lincoln, N., Albrecht, K., and Haws, M. (Oct, 2022) *Hawai‘i County Regional Food Economy*. Hawai‘i Ag Conference, Honolulu, Hawai‘i. (Panelist) [15%, 20%]
- Lincoln, N. (Aug, 2022). *Indigenous Agriculture Role in Climate Adaptation*. Grassroots Partnerships for Pacific Solutions Addressing Climate Change. PIFON; Honolulu, HI. (Speaker) [100%, 100%]
- Wiseman, BJ., Lincoln, N., Wall, MM., and Paull, RE. (Aug, 2022) *Influence of Maturity and 1-MCP on Postharvest Ripening of Breadfruit*. ASHS; Chicago, Illinois. [20%, 10%]
- Haensel, T., and Lincoln, N. (Jul, 2022) *Hawai‘i Island Biogeochemistry*. Goldschmidt; Honolulu, Hawai‘i. [50%, 25%]
- Lincoln, N. (Jun, 2022) *Ancient Agroforestry Footprint in Hawai‘i*. Hawai‘i Ecosystem Meetings; Hilo, Hawai‘i. (Presenter) [100%, 100%]
- Lincoln, N. (Apr, 2022) *Hawaiian Agroecology: Past and Present*. Food Relatives Conference; Berkeley, California. (Presenter) [100%, 100%]
- Lincoln, N. (Apr, 2022) *Localizing and Regionalizing Food Systems*. Hawaii Youth Food Summit; Honolulu, HI. (Invited Speaker) [100%, 100%]
- Lincoln, N. (Mar, 2022) *Value and Diversity of Native Hawaiian Sugarcane*. Society for Economic Botany, Kingston, Jamaica. (Speaker) [50%, 80%]
- Lincoln, N. (Mar, 2022) *Forest Gardens*. Society for Environmental Toxicology and Chemistry; Ventura, California. (Invited Speaker) [100%, 100%]
- Lincoln, N. (Feb, 2022). *NSF CAREER*. NSF TIP Directorate in Hawai‘i, Honolulu, Hawai‘i. (Invited Speaker) [100%, 100%]
- Lincoln, N. (Nov, 2021) *Sustainability in Indigenous Food Systems*. Society of Environmental Toxicology and Chemistry; Virtual. (Invited Speaker) [100%, 100%]
- Lincoln, N., and Chen, Q. (Oct, 2021) *The Hawaiian Footprint*. Society for Hawaiian Archaeology; Kona, Hawai‘i. (Speaker) [75%, 80%]

CTAHR BIO-Bibliography

- Lincoln, N., and Chen, Q. (Jun, 2021) *Historical Ecology of Kukui in Hawai'i*. Hawai'i Conservation Conference; Honolulu, Hawai'i. (Speaker) [75%, 80%]
- Lincoln, N. (Nov, 2020). *Food and Resilience in Hawaiian Landscaping*. Hawai'i Landscape Association Annual Meeting; Honolulu, Hawai'i. (Invited Keynote) [100%, 100%]
- Lincoln, N., and Miles, A. (May, 2020). *Agricultural Transformation*. Living Breath of wələbʔaltx^w Indigenous Food Symposium; Seattle, WA. (Speaker) [50%, 50%]
- Lincoln, N. (Jan, 2020) *Native Hawaiian Science*. Pacific Symposium for Science and Sustainability; Honolulu, HI. (Invited Speaker) [100%, 100%]
- Lincoln, N., and Chen, Q. (Oct, 2019) *The Extent of Pre-European Forest Modification in Hawai'i*. Society for Hawaiian Archaeology; Kona, Hawai'i. (Speaker) [75%, 80%]
- Lincoln, N. (Oct, 2019) Keynote: *Native Hawaiian Science*. Native Hawaiian Chamber of Commerce Annual Meeting; Kahului, HI. (Invited Keynote) [100%, 100%]
- Lincoln, N. (2019). *Adapting Island Agriculture to Climate Change*. Society for Advancing Chicanos/Hispanics and Native Americans in Science, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2019). *Niche Construction as a framework for Understanding Hawaiian Agricultural Evolution*. Society for Advancing Chicanos/Hispanics and Native Americans in Science, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2019). *Breadfruit Production: Current State and Future Challenges*. Hawaii Agricultural Conference, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2019). *The Extent of Pre-European Forest Modification in Hawai'i*. Hawaii Ecosystem Meetings, Hilo, Hawai'i. (Scholarship 100%, Authorship 100%)
- Baumhofer, K., Corley, M., Lincoln, N., Frank, K., and Revilla, K. (2019). *Impacts of Kalo as a First-Food on Human gut Microbiome*. Pacific Biosciences Research Center Symposium, Honolulu, Hawai'i. (Scholarship 10%, Authorship 10%)
- Lincoln, N. (2019) *The Extent of Pre-European Forest Modification in Hawai'i*. Hawaii Conservation Conference, Honolulu, Hawai'i.
- Lincoln, N., Rossen, J., Vitousek, P., Kahoonei, J., Kalawe, K., Pai, M., Marshall, K., Meheula, K. (2019). *ʻĀina Mālo'o and Biocultural Restoration*. Hawaii Conservation Conference, Honolulu, Hawai'i. (Scholarship 60%, Authorship 80%)
- Lincoln, N. (2018). *Kupuna Crops and Kuleana*. Piko'oko'o Conference, Hilo, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2018). *Traditional and Contemporary Propagation of Hawaiian Crops*. International Plant Propagators Society Annual Meeting (invited), Kona, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2018). *Climactic Drivers to Nutrient Cycling in Agroforestry*. Hawaii Ecosystem Meetings, Hilo, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2017). *Paleobotanical Samples of the Kohala Field System*. Hawaii Ecosystem Meetings, Hilo, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2017). *Student Diversity, Plant Varieties, and Hybrid Methods*. American Society of Horticultural Science (Early Career Award Competition, 1st Place Recognition), Waikoloa, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2017). *Breadfruit in Hawai'i's Food Systems: Past, Present, and Future*. American Society of Horticultural Science, Waikoloa, Hawai'i.
- Lincoln, N. (2017). *Introduction to Hawaiian Horticulture*. American Society of Horticultural Science, Waikoloa, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N., Hutchins, L., and Clark, J. (2017). *Nitrogen Fixation in Mixed Litter Decomposition Studies*. Ecological Society of American Annual Meeting, Baltimore, Maryland. (Scholarship 50%, Authorship 80%)
- Lincoln, N. (2017). *Breadfruit in Hawai'i's Food Systems: Past, Present, and Future*. Hawai'i AG Conference, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)

CTAHR BIO-Bibliography

- Quitous, S., and Lincoln, N. (2017). *Indicators of Soil Fertility in the Ka'u Field System*. Society for Hawaiian Archaeology, Kapolei, Hawai'i. (Scholarship 50%, Authorship 40%)
- Lincoln, N. (2017.) *Plenary Panel on Indigenous Epistemology to Sustainability*. Hawaii Sustainability in Higher Education Summit (invited), Kapolei, Hawai'i. (Scholarship 100%, Authorship 100%)
- Miles, A. and Lincoln, N. (2016). *The Role of Agroecology and Indigenous Science in (Re)Developing Sustainable Community Food and Farming Systems for Hawai'i and Beyond*. World Conservation Conference, Honolulu, Hawai'i. (Scholarship 50%, Authorship 50%)
- Lincoln, N. (2016). *Teaching Indigenous Agriculture*. North American Colleges and Teachers of Agriculture (invited), Manoa, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2016). *Establishing Long-term Agroforestry Sites*. Hawaii Ecosystem Meetings, Hilo, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2016). *Food for Thought: Sovereignty, Security, and Science*. Native American and Indigenous Studies Association, Manoa, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2015). *Effects of Monotypic Canopies on Earthworm Abundance and Disturbance by Feral Pigs*. Association of Tropical Biology Conference, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2015). *Lessons in Resilience from Hawaiian Agriculture*. Ecological Society of America, Portland, Oregon. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2015). *(Re)cycling of Nutrients in Arboriculture*. Hawaii Ecosystem Meetings, Hilo, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2015). *Effects of Monotypic Canopies on Earthworm Abundance and Disturbance by Feral Pigs*. Hawaii Conservation Conference, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)

Governmental Presentations and Invited Testimony

- Lincoln, N. (Jun, 2023) *The Hawaii 'Ulu Producers Cooperative: Leveraging HDOA Programs for Cooperative Development*. Hawaii Department of Agriculture Strategic Planning Retreat, Hilo, HI. (Invited Presenter)
- Lincoln, N. (Nov, 2023) *Bioremediation of Lahaina Landscape*. Council for Native Hawaiian Advancement, Kahului, Hawai'i. (Invited Presenter)
- Lincoln, N., Pelegrino, H., Kekona, K., and Hewahewa, K. (Nov, 2023). *Agroforestry for Local Food Security*. Council for Native Hawaiian Advancement, Kahului, Hawai'i. (Invited Panelist)
- Lincoln, N. (Jul, 2022) *Food Security in Hawai'i*. Council for Native Hawaiian Advancement; Honolulu, Hawai'i. (Invited Presenter)
- Lincoln, N. (Dec, 2020) *Indigenous Hawaiian Agriculture in the 21st Century*. Food and Agricultural Organization of the United Nations High-Panel of Experts, Rome, Italy.
- Lincoln, N (Jan, 2022) *State of Native Hawaiian Food Security*. Invited Testimony Bureau of Indian Affairs, Hilo, Hawaii.
- Lincoln, N. (2019). *Breadfruit Research for Pacific Island Production*. Pacific Island Forestry Coalition, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2019). *Breadfruit Propagation at Small, Medium, and Large Scale: A Hands-On Summary of Practices*. Pacific Island Forestry Coalition, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2019). *Traditional Hawaiian Forestry Practices*. Pacific Island Forestry Coalition, Honolulu, Hawai'i. (Scholarship 100%, Authorship 100%)
- Lincoln, N. (2016). *When You're Hungry, You Harvest*. Hawaii Conservation Alliance – Biocultural Stories of the Pacific (invited), Honolulu, Hawai'i.
- Lincoln, N. (2016) *Overview of Breadfruit Resources on Hawaii Island*. Hawaii County Research and Development; Finding the Fruit, Kona, Hawai'i.
- Lincoln, N. (2015). *Role of Indigenous Crops in Modern Food Security*. National Association of State

CTAHR BIO-Bibliography

Departments of Agriculture, Kona, Hawai'i. (Invited Keynote)

Grant Support

Title of Grant: Overcoming Barriers to Agroforestry Adoption

Source of Grant: Western SARE

Dollar Value: \$343,000

Dates of Grant: November 2024 – October 2027

Role: PI

Title of Grant: Defining Cultural Ecological Units

Source of Grant: NRCS Cooperative Agreement

Dollar Value: \$450,000

Dates of Grant: October 2024 – September 2027

Role: PI

Title of Grant: Science-Driven Methods for Scaling Afforestation of Dry Grass-Dominated
Landscapes

Source of Grant: PICASC, USGS

Dollar Value: \$495,106

Dates of Grant: October 2024 – September 2027

Role: PI

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: PICASC, USGS

Dollar Value: \$499,404

Dates of Grant: September 2023 – September 2025

Role: PI

Title of Grant: HI'A Wayfinding ITEK Curriculum to FAHN Pathways

Source of Grant: ANNH, USDA

Dollar Value: \$1,500,000

Dates of Grant: September 2024 – August 2027

Role: Co-PI

Title of Grant: GFH Growing Hawaii's Agricultural Workforce

Source of Grant: ANNH, USDA

Dollar Value: \$440,984

Dates of Grant: September 2024 – August 2027

Role: Co-PI

CTAHR BIO-Bibliography

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

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

CTAHR BIO-Bibliography

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

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

CTAHR BIO-Bibliography

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

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

CTAHR BIO-Bibliography

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