

Noelani Puniwai, PhD

Associate Professor of Mālama ‘Āina
Kamakakūokalani Center for Hawaiian Studies | University of Hawai‘i at Mānoa
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PROFESSIONAL PREPARATION

- 2014-2016 **PostDoc:** Geography Department
University of Hawai‘i at Hilo
- 2015 **Doctor of Philosophy:** Natural Resources and Environmental Management
University of Hawai‘i at Mānoa
Dissertation (Chair: Dr. Steven Gray): *‘Ike i ke au nui ke au iki - Complex Social and Physical Seascapes of Hawai‘i Island*
- 2003 **Master of Science:** Environmental Science
Washington State University at Vancouver
Thesis (Chair: Dr. Brian Tissot): *Spatial and temporal distribution of the crinoid *Florometra serratissima* on the Oregon continental shelf*
- 2000 **Bachelor of Arts:** Marine Science
Minor: Hawaiian Studies
University of Hawai‘i at Hilo

PROFESSIONAL APPOINTMENTS

- 2021 **Associate Professor of Mālama ‘Āina:** University of Hawai‘i at Mānoa, Hawai‘inuiākea School of Hawaiian Knowledge, Kamakakūokalani Center for Hawaiian Studies
- 2018 **Affiliate Graduate Faculty,** UH Mānoa Indigenous Political Science
Affiliate Graduate Faculty, University of Maine
- 2017 **Affiliate Faculty,** UH Hilo Tropical Conservation Biology & Environmental Science
Affiliate Faculty, UH Mānoa Interdisciplinary Studies
- 2016 **Assistant Professor of Mālama ‘Āina:** University of Hawai‘i at Mānoa, Hawai‘inuiākea School of Hawaiian Knowledge, Kamakakūokalani Center for Hawaiian Studies
- 2009 **Internship, Education and Outreach Coordinator,** UH Hilo Pacific Island Programs for Exploring Science
- 2008 **Science Curriculum Writer,** UH Mānoa Center on Disability Studies (GRA)

2003 **Marine Coordinator**, UH Mānoa Center for Conservation Research & Training,
College of Tropical Agriculture and Human Resources (RCUH hire)

SELECTED SCHOLARLY ARTICLES *student co-author

Pihana, H., **Puniwai, N.**, & Perry, H. (2022). Nā Wa‘a Mauō Marine Stewardship Program: Perpetuating the practices of our Kūpuna to care for our oceans and strengthen our next generation of marine stewards. Parks Stewardship Forum, 38(2).

Puniwai, N. (2020). Pua ka Wiliwili, Nanahu ka Manō: Understanding Sharks in Hawaiian Culture. *Human Biology*, 92(1), 25-xx.

Puniwai-Ganoot, N., Ziegler-Chong, S., Ostertag, R., & Ching, M. (2018). Mentoring Pacific Island Students for Conservation Careers. *Scholarship and Practice of Undergraduate Research*, 1(4), 25-32.

Laursen, S., **Puniwai, N.**, Genz, A. S., Nash, S. A., Canale, L. K., & Ziegler-Chong, S. (2018). Collaboration across worldviews: managers and scientists on Hawai‘i Island utilize knowledge coproduction to facilitate climate change adaptation. *Environmental management*, 62(4), 619-630.

Puniwai, N., Gray, S., Lepczyk, C., *Kaponu, A., & Severance, C., (2016). Mapping Ocean Currents through Human Observations: Insights from Hilo Bay, Hawai‘i. *Human Ecology*, DOI. 10.1007/s10745-016-9822-0 44(3), 365-374.

Book Chapter

Puniwai, N. (March 2021). Interview: Traditional ecological knowledge. *Preparing a Workforce for the New Blue Economy*. Elsevier Press.

Puniwai, N. & *Grant, G., (Oct 2020). Ka ‘Āina Moana. *Value of Hawai‘i III - Huluhia*. University of Hawai‘i Press.

Technical Report

Alessa, L., Kliskey, A., Meyers, M., Veazy, P., Gray, S., **Puniwai, N.**, Shanahan, L., Jensco, K., Galindo, E., Gosz, J., Anderson, J., Smith, A. (2013). Community Based Observation Networks (CBON's) for Arctic Adaptation and Security. Arctic Observing Summit. White Paper.

TV segments

Seraphin, K. (2019) Voice of the Sea: Adapting Culture to Climate Change [Season 5, Episode 9].

LECTURES AND COLLOQUIA

Invited Keynote Presentations - International

2023 Connecting to Climate Change - ‘Ōiwi Stories. - International Day of the World’s Indigenous Peoples Symposium. The University of Melbourne, Victoria. Aug 9th Online

- 2022 'Ike i ke au nui me ke au iki: Big and Little Currents of an Indigenous Scientist. American Society of Limnology and Oceanography Multicultural Program at Ocean Sciences Online February
- 2020 Conservation and Preservation in a multi-crisis world: A symphony of Perspectives on Nature and Culture - The Exchange @ the East-West Center. UH Mānoa September 14, 2020.
- 2020 Our Pono Future: Nurturing a place of abundance. International Graduate Student Conference (IGSC), February 13-15 at Imin International Conference Center, UH Mānoa.
- 2019 Aloha 'Āina; the science of loving place and people. Presidential Symposium: Bridges Not Borders: Benefits of Building Trans-National Collaborations, 100th Anniversary of the Western Society of Naturalists. Ensenada, Mexico. November 2.

Regional

- 2022 Weaving our Pathways to an Abundant Future - Women In Science Conference, UH Hilo Online March
- 2020 Invited Plenary Panelist. State of Hawai'i Climate Change Conference – Hā i ke Kai. January 13, UH Mānoa.
- 2019 Puniwai, N., Alegado, R., Fox, K., Kagawa-Viviani, A., Kane, H., Kāne and Kanaloa are coming; How will you receive them? Plenary Panel Hawai'i Conservation Conference. Honolulu, HI July 9th.

Invited Panel and Colloquium Presentations - International

- 2022 Oceanic Insights - A Weaving of Indigenous Ways of Knowing the Kai. Goldschmidt 2022
- 2019 Puniwai, N. Regional Plenary Panelist: Issues in Marine Conservation in the Pacific Islands - Opportunities, past, present and future. Pew Marine Fellows Annual Meeting. Hilo, HI.
- 2014 Puniwai, N. Bringing together social-ecological research and management in coastal marine environments workshop (invited closing panelist). Ocean Sciences Meeting: American Society of Limnology and Oceanography, Honolulu, HI.

Regional

- 2021 Using Pono Science to Achieve an 'Āina Momona. HK West Maui Community Scholars. April 12th.
- 2020 Actively challenging STEM pedagogy - (Lunch Panel) Creating Balance in an Unjust World. January 18, UH Mānoa
- 2020 Pono Science: Working together toward an abundant future. UHH Tropical Conservation Biology Seminar Series, September 11th.
- 2019 Pono science – Understanding Decolonization. UH Mānoa Natural Resources and Environmental Management seminar series. September 25th.
- 2019 Decolonizing Conservation. Society of Conservation Biology quarterly meeting. September 25th.
- 2018 Knowing our ocean through times of change. Pacific Biosciences Research Center. Kewalo Marine Lab, Nov 28th.
- 2018 Seascapes – Knowing our ocean through times of change. Institute for Sustainability and Resilience Seminar Series on Climate Change Adaptation. iLab, Oct 8th.

Scholarly Presentations - International

- 2022 Wedding L., and Puniwai N., Pittman S, Lepczyk C., Crowder L. Integrating Multiple Perspectives in Sustainable Ocean Planning. Ocean Sciences Mtg, Online February
- 2020 Puniwai, N. and Michelle María Early Capistrán. Learning from hawaiian ethics to improve marine conservation research. Western Society of Naturalist, (pending, Nov 5th).

- 2019 Puniwai, N. Hawaiian methods of marine monitoring and efforts to re-establish cultural stewardship of marine mammals - Panel on Biocultural Research and Cooperative Management of Marine Resources. Pew Marine Fellows. Hilo, HI Dec 14th.
- 2019 *Goin, G & Puniwai, N. E ho 'i i ka pono lawai'a (Return to righteous fishing). Western Society of Naturalist. Ensenada, Mexico, Nov 2nd.
- 2019 *Akaka, K., *Rodrigues, J.P., & Puniwai, N. Re-emergence of indigenous science in Hawai'i. Western Society of Naturalist. Ensenada, Mexico, Nov 2nd.
- 2018 Wedding, L., Puniwai, N., Parrain, C., Seascape ecology: a holistic approach for understanding and managing complex marine systems. Royal Geographical Society International, Cardiff England. August 31st.
- 2017 *Pihana, H., Puniwai-Ganoot, N., *Costa, M., Nā Wa'a Mauō The canoes in which sustain us, the application of wa'a kaukahi and wa'a kaulua, single-hull and double-hull canoes, in marine resource management, scientific research, and outreach education conducted throughout the Hawaiian Islands. He Manawa Whenua Indigenous Research Conference, New Zealand (March).
- 2016 Puniwai, N. and C. Parrain. Seascape Identities; Understanding Values and Cultural Patterns. 13th International Coral Reef Symposium, Honolulu, HI. Abstract ID 29278.

Regional

- 2019 Puniwai, N., Akutagawa, M., Quioco, K., Kia'i Kanaloa. Hawai'i Conservation Conference. Honolulu, HI, July 9th
- 2019 Puniwai, N. Panelist "Ola ka 'Ōlelo: A Hawaiian Language Session on Language and Culture in Conservation". Hawai'i Conservation Conference. Honolulu, HI, July 9th.
- 2015 Puniwai, N., Gray, S., and Lepczyk, C. Hawai'i's Cultural Seascapes: Perspectives from Paddlers and Surfers in Hilo Bay. Hawai'i Conservation Conference, Hilo, HI.

GRANTS AND AWARDS

Awarded	Support
2023 Richmond, Tellei, Yugi, Puniwai, Tisthammer. <i>Scholarships to Support Students at Hawaiian and Pacific Island Institutions of Higher Education in STEM Degree Programs</i> . \$5million/5 years. NSF S-STEM. <i>Effort entails research and coordination.</i>	2cr/yr; 1 mo overload
2022 Ostertag, B. and Puniwai, N. <i>REU Site: Ka 'ao: Telling the Stories of Hawaiian Ecosystems</i> . \$387,134. NSF REU. <i>Effort entails advising on administration of the program. 50%</i>	10 UG/yr
2022 Many faculty at UH Mānoa. <i>Hō'ola Waiale'e</i> . Internal VCR funding. <i>Minimum effort</i>	n/a
2021 Staudt, C., Covitt, B., Puniwai, N., and Moher T. <i>Precipitating Change With Alaskan and Hawaiian Schools: Bridging Indigenous and Western Science While Modeling Mitigation of Coastal Erosion</i> . \$3million/3 years. NSF DRK12 - Level II. <i>Effort entails being the lead investigator for Hawai'i; 25%.</i>	1.5 mo. Smr salary and 1 GRA
2021 Lee, W., Kim, A., Puniwai, N., and Sasaki, K. <i>Breaking Barriers to Participation: A Cultural Approach to Increasing Native Hawaiian Representation in Engineering</i> . \$639,370. NSF, Broadening Participation in Engineering. <i>Effort entails</i>	1 mo. Smr salary

	<i>coordinating the mentoring component and advising grad students; 15%.</i>	
2019	Protect Kaho‘olawe Ohana. <i>I Ola Kanaloa</i> . \$15,000. NOAA National Marine Fisheries Service – Marine Educational Training Grant. <i>Written by Puniwai and haumana in partner with PKO as part of HWST 456; Writing effort 25%, and implementation effort 45%.</i>	n/a
2017	Vaughan, M., Nobrega-Olivera, M., Akutagawa, M., Beamer, K., Chung, G., Puniwai, N. , Goodyear-Ka‘ōpua, N., Kikiloi, K., Alegado, R., Francis, O., Lincoln, N., Everson, C.. <i>Kū‘oko‘a: Sustaining Abundant ‘Āina and Resilient Leadership Strategic Initiative</i> . UH Mānoa VCAA Strategic Investment Initiative. <i>Implementation effort 25%; Grant management 10%</i>	\$214,000
2018	Puniwai, N. <i>Nā Wa ‘a Mauō: The canoes that sustain us</i> . NOAA National Marine Fisheries Service – Marine Educational Training Grant. <i>Writing and implementation effort 80%.</i>	\$15,000
	Ostertag, R. and Puniwai, N. <i>Research Experience for Undergraduates Site: Hanakahi</i> . National Science Foundation. <i>Writing 50% and implementation effort 20%.</i>	\$467,682
	Puniwai, N. and Perry, H. <i>Mānowai o Hanakahi Marine Conservation and Training Project</i> . NOAA National Marine Fisheries Service – Marine Educational Training Grant. <i>Writing and implementation effort 50%.</i>	\$15,000
2015	Ostertag, R. and Puniwai, N. <i>Research Experience for Undergraduates Site: Conservation Science in Hawaiian Ecosystems</i> . National Science Foundation. <i>Writing effort 50%; Implementation effort 20%.</i>	\$356,579
2014	Puniwai, N. <i>Coastal Seascapes of Hawai‘i</i> . USGS Pacific Islands Climate Science Center. <i>Writing and implementation effort 100%.</i>	\$156,000

SERVICE ACTIVITIES

UNIVERSITY OF HAWAI‘I at MĀNOA

- Search Committee for faculty in NREM for Biocultural Resources (Sp 2023)
- Search Committee for Dean of SOEST (failed search Fall 2022)
- Search Committee for Director for the Institute of Astronomy (Fall2019-Sp2020).
- Advisory Board and PI for the Pacific Internships for Exploring Science 30 yr old summer internship program supporting kama‘āina in mālama ‘āina pathways
- Assisting with the development of the International REU Galapagos course and summer internship experience
- Hānai Mentor Host for 3 incoming freshman (SY 2018 & 2019)
- Institute for Sustainability and Resiliency Curriculum Committee (Sp2018 - Current)
- Institute for Sustainability and Resiliency Certificate Proposal (Sp2020)
- Contributor to the Sea Grant Center for Integrated Knowledge Systems
- Affiliate Faculty in Indigenous Politics at UH Mānoa, TCBES at UH Hilo and Graduate Faculty at the University of Maine

HAWAI‘INUIĀKEA SCHOOL FOR HAWAIIAN KNOWLEDGE

- Co-Lead for the development of a PhD in Hawaiian Knowledge Committee, led submission of an Authorization to Plan (Fall2022-Current)
- KCHS faculty representative on three Search Committees: Administrative Officer (x2) and Academic Support Position (Fall 2016, Summer/Fall 2017, Fall 2019)
- Pīko‘oko‘o Initiative - Co-lead the \$100K proposal to host a conference and resulting book publication on the progress of UH Mānoa working towards a Hawaiian Place of Learning (Jan 2018 - present)
- Kū‘oko‘a Initiative - served on the Steering committee, helping to guide the certificate application, review budget needs, and discuss development of field course offerings

KAMAKAKŪOKALANI CENTER FOR HAWAIIAN STUDIES

- ‘Aha Kuhina (8/2016 to present): Faculty representative to the School
- Search committee for two new I-3 Faculty positions (Fall 2018 - Sp2019)
- Departmental Personnel Committee for advancement of Instructors (x2) (Sp2019)
- Provided guidance to assist in the alignment of courses and their requirements in the Mālama ‘Āina strand of curriculum. Completed necessary supporting paperwork
- Faculty representative at Transfer Fairs, School Open House, New Student Orientation, College and Career Fairs, and community events
- Support faculty in use of technology in classroom instruction such as with Google Suite and Classroom, Zoom, and Flipgrid.

COMMUNITY SERVICE

- DLNR DAR Holomua: Marine 30x30 Advisory Network
- Hawai‘i Community Foundation Holomua Marine Initiative Advisory Committee (3 year term)
- WESPAC Social Science Planning Committee
- Hawai‘i Department of Education - Natural Resources Management Standards Workgroup (High school science tracks)
- Grant Writing Support for community organizations; awarded \$15k
- Founding member of Puakea Foundation of Hawai‘i and current Board of Director Treasurer (2004-present)
- Board of Directors for Aloha ‘Āina Education Center (2019 - present)
- Volunteer at numerous mālama ‘āina and educational events Statewide
 - Hale o Lono Loko i‘a Workdays
 - Ka‘akepa, Puna