# ASHLEY McGuigan, PhD

# FULBRIGHT SCHOLAR | FOOD SYSTEMS SCIENTIST

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#### **EDUCATION**

# University of Hawai'i at Mānoa

PhD in Botany - Ethnobotany Concentration

Dissertation: Social-ecological resilience of agroforests in Fiji

Committee: Tamara Ticktin (chair), Michael Balick, Gregory Plunkett, Mark Merlin,

Orou Gaoue, Rachel Novotny

**MS** in Botany

Interdisciplinary Specialization Program: Ecology, Evolution, and Conservation Biology

### **North Carolina State University**

**BS** in Biology - Ecology, Evolution, and Conservation Concentration

Interdisciplinary Certificate: Global Perspectives

Magna Cum Laude

# University of the South Pacific, Fiji

Study Abroad (1 year) - Tropical Marine and Terrestrial Biology

#### **FELLOWSHIPS AND GRANTS**

Soroptimist Founder Region Fellowship for Women	\$10.000	2021-2022
National Science Foundation Graduate Research Fellowship	\$138,000	2018-2021
Foreign Language and Area Studies Fellowship, US Dept Edu	\$31,190	2017-2018
Fulbright U.S. Student Research Grant to Fiji	\$21,250	2016-2017
Foreign Language and Area Studies Fellowship, US Dept Edu	\$31,190	2016
(Declined to accept Fulbright)	Total: \$231,630 U	SD

#### **GRANTS AND SMALL FELLOWSHIPS**

Society for Economic Botany Travel Grant, SEB	\$550	2022
Cost of Education Grant, UHM-NSF	\$3,000	2021
Conservation and Equipment Grant, Idea Wild	\$900	2020
Biocultural Speakers Series, Frank Lake, BCIP, SAPFB (covid forfeit)	\$1,828	2020
Botany in Action Fellowship, Phipps Botanical Garden	\$5,000	2020
Society for Economic Botany Travel Grant, SEB (covid forfeit)	\$550	2020
Cost of Education Grant, UHM-NSF	\$4,800	2020
Cost of Education Grant, UHM-NSF	\$4,800	2019
Post-Cyclone Rebuilding Schools in Fiji Fundraising, Crowdsourced	\$5,000	2017
Botany in Action Fellowship, Phipps Botanical Garden	\$5,000	2017
Distinguished Lecture Series Exchange Drs. Thaman, EBS, SAPFB	\$4,140	2016
Recruitment and Volunteer Event Series: Fall 2016 for BSA, SAPFB	\$260	2016
Beatrice Krauss Fellowship in Botany, UHM	\$1,000	2016
Torrey-Degener-Rock Scholarship, UHM	\$589	2016
Beatrice Krauss Fellowship in Botany, UHM	\$1,500	2015

Total: \$38, 917 USD

#### **AWARDS**

Botany Achievement Award, UHM	\$1,750	2022
Achievement Award for College Scientists, ARCS Foundation	\$5,000	2020
Graduate Division Achievement Award, UHM	\$1,500	2020
Graduate Student Organization Award, UHM (covid forfeit)	\$1,155	2020
Botany Achievement Award, UHM	\$1,100	2016
Alexander Global Village Study Abroad Award, NCSU	\$500	2011
On-Campus Resident Study Abroad Award, NCSU	\$250	2011
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Total: \$11,255 US

#### **PUBLICATIONS**

**McGuigan, A.,** Ticktin, T., Novotny, R., Tikonavuli, V., Vuli, U Ecological functional diversity predicts nutritional functional diversity in complex agroforests. *In review at Global Food Security*.

Ticktin, T., **McGuigan, A.,** Plunkett, G., Ranker, T., Balick, M., Chanel, S., Alo, F., Doro, T., Boraks, A. Resilience of Vanuatu forests to a Category 5 cyclone. *In revision for Science of the Total Environment.* 

**McGuigan, A.**, Ticktin, T., Tikonavuli, V., Tora, M. Predictors of tree damage and survival in agroforests after major cyclone disturbance in the Pacific. *In review at Agroforestry Systems*.

**McGuigan, A.,** Ticktin, T., Tora, M., Tikonavuli, V., Dacks, R., Quazi, S. 2022. Post-cyclone resilience of an agroforest-based food system in the Pacific Islands. Regional Environmental Change 22:57. ResearchGate Link

Ticktin, T., Dacks, R., Quazi, S., Tora, M., **McGuigan, A.,** Hastings, Z., and Naikatini, A. 2018. Significant linkages between measures of biodiversity and community resilience in Pacific Island agroforests. Conservation Biology 32 (5): 1085-1095. ResearchGate Link

#### **EXPERIENCE**

# Assistant Extension Specialist, Climate, Agroforestry, and Food Systems (Assistant Professor Rank)

University of Hawaiʻi at Mānoa, Honolulu, HI

Developing a program on climate change mitigation and adaptation within agroforestry and specialty crop production, working to enhance the resilience of food systems in the face of environmental change and challenges to fulfill Coordinator responsibilities (belew). This involves working with agricultural, ranching, and agroforestry producers, Agents, and Specialists to understand needs, provide technical assistance in adapting to future climate scenarios, develop extension materials, coordinate and collaborate with other CTAHR faculty on climate-related programs, and supervise graduate student research.

#### Coordinator, Hawai'i & US Affiliated Pacific Islands

US Department of Agriculture, Southwest Climate Hub

Coordinates initiatives for climate adaptation and mitigation among diverse working land producers in Hawai'i and the US Affiliated Pacific Islands, developing a centralized resource directory, facilitating access and development of grant opportunities, offering tailored technical assistance, and fostering collaborative networks to support under-represented producers.

01/2024 – concurrent with below

01/2024 – concurrent with above

07/2023 - 12/2023

Environmental Defense Fund, Raleigh, NC

Co-developed the FORCAST Tool, designed to assess crop resilience to climate hazards, integrating Indigenous and local knowledge with scientific research. Co-organized a workshop at the 2023 World Food Prize Borlaug Dialogue, focusing on the importance of food system diversification and the role of underutilized crops in resilience. Contributions extended to co-authoring reports and developing strategic documents, emphasizing the need for alliances across climate, nutrition, ecology, equity, and resilience intersections. Contributed on multi-disciplinary teams, fostering collaboration and knowledge exchange in these areas.

# Graduate Researcher, Soroptimist Founder Region Fellowship

07/2018 - 05/2022

University of Hawai'i at Mānoa, Honolulu, HI

Prepared manuscripts for publication and reviewed scientific and technical literature to identify additional knowledge gaps. Made recommendations for changes to food security plans and nutrition policies by integrating agroforestry.

# Graduate Researcher, National Science Foundation Graduate Research Fellowship

07/2018 - 05/2022

University of Hawai'i at Mānoa, Honolulu, HI; University of the South Pacific, Herbarium, Suva, Fiji Investigated connections between what people grow and their diets in 10 villages across Fiji collecting data about agroforest biodiversity, dietary nutrition, and sociocultural events to assess resilience to major climate risks and disturbances. Operationalized theories of resilience to identify the types of data to collect and the analytical methods to use, and prepared findings for communication across technical and non-technical audiences.

# Graduate Researcher, Ecological Analysis of Forests in Vanuatu & Medicinal Ethnobotany

2019; 2017; 2016;

2015

New York Botanical Garden, New York, NY; Forestry Department, Port Vila, Vanuatu

Built a team of young women skilled in biodiversity and ethnobotanical field survey methods to collect biodiversity data in damaged forests, and information about plants used for women's health in their villages. The data is being used to create a plant guide for the villages.

#### Graduate Researcher, Foreign Language and Areas Studies Fellowship in Fijian

07/2017 - 07/2018

US Department of Education; University of Hawai'i at Mānoa, Honolulu, HI

Used linguistics to identify 7 naming structures for 50+ food plants introduced to Fiji post-European contact to better understand the influence of introduced species on food systems, biodiversity, nutrition, and resilience.

### Fulbright U.S. Student Research Grant, Fiji

09/2016 - 07/2017

University of the South Pacific, Suva, Fiji; University of Hawai'i at Mānoa, Honolulu, HI
Established the groundwork for 7 year social-ecological resilience research securing support from stakeholders in the ministries of Indigenous Affairs, Agriculture, Forestry, Health and Medical Services, and Education, 10 villages, and the Wildlife Conservation Society to identify local and national research needs and align research objectives. Constructed and completed 50 biodiversity, 150 dietary recall, and 10 sociocultural surveys.

#### Herbarium Researcher, Pacific Collections, Fiji

06/2016-09/2016

University of the South Pacific Regional Herbarium, Suva, Fiji

Utilized historical herbarium and literature collections to research the ecological functions of plants and their nutritional qualities for use in longitudinal social-ecological research project.

# **Teaching Assistant, Plant Conservation Biology**

01 - 05/2016

Botany Department, University of Hawai'i at Mānoa, Honolulu, HI

Organized field trips for students to learn biodiversity data collection methods and taught student how to use tools like GIS and R to analyze datasets.

# **Teaching Assistant, Ethnobotany**

Botany Department, University of Hawai'i at Mānoa, Honolulu, HI

Co-taught with 2 Teaching Assistants updating lesson plans to meet student needs and interests, and graded students' assignments on a weekly basis.

# Biosecurity Research Technician, Fruit Fly Quarantine

03 - 07/2015

08 - 12/2015

US Department of Agriculture-APHIS-Plant Protection and Quarantine, Honolulu, HI
Worked on a team to compile regulatory reports on host plants of fruit flies of international environmental concern and edited USDA encyclopedic database of fruit fly host plants.

# Research Assistant, Social-Ecological Resilience in Fiji

02 - 07/2015

University of Hawai'i at Mānoa, Honolulu, HI

Investigated linkages between social and ecological drivers of resilience in terrestrial and marine environments in Fiji. Compiled and translated field survey documents.

#### **Research Assistant:**

Community-Mediated Conservation in Asia-Pacific Region, Hollins University, Hollins, VA	05/2014 - 02/2015
Land-Use History and Biodiversity, North Carolina State University, Raleigh, NC	08-12/2014
Conservation Biology/Fire Ecology, North Carolina State University, Raleigh, NC	05 – 08/2013
Ecosystem Pollution/Molecular Biology, North Carolina State University, Raleigh, NC	08 – 12/2011
Global Change Biology/Ecophysiology, North Carolina State University, Raleigh, NC	05 – 08/2011
Large Felid Conservation and Diversity, North Carolina State University, Raleigh, NC	01 – 05/2011

#### LEADERSHIP AND MENTORSHIP EXPERIENCE

# Fulbright Alumni Ambassador, Fulbright Alumni Ambassador Program

01/2020 - 10/2022

U.S. Department of State, ECA; Institute of International Education

Nominated by the U.S. Department of State to lead recruitment webinars about the U.S. Student Fulbright Program at universities and conferences nation-wide and co-formed working group to improve diversity, equity, and inclusion initiatives in Fulbright. Lead to the development of recurring workshops around ethical research and community engagement activities.

# Fulbright Alumni Mentor, East Asia & the Pacific Fulbright Pre-Departure Orientation

07/2019 - 10/2022

U.S. Department of State, ECA; Institute of International Education
Invited annually to serve as a mentor for new Fulbright awardees and lead panels around discussions of identity, leadership, community engagement, and research practices.

# President/Vice-President of the Ethnobiology Society at the University of Hawai'i

01/2016 - 07/2017

University of Hawaiʻi at Mānoa, Honolulu, HI

Designed 7 day exchange for two accomplished scholars from Fiji to speak in Hawai'i about ecological, economic, and social needs and constraints in the Pacific and scheduled networking events for students and faculty to initiate collaborations.

Secretary for the Botanical Society of America, *University of Hawai'i at Mānoa, Honolulu , HI*Peer Mentor, EcoVillage Learning Community, *North Carolina State University, Raleigh, NC*President, International Student Association, *University of the South Pacific, Suva, Fiji*12/2015 – 05/2016
08/2013 – 12/2013
02/2012 – 11/2012

#### **CONFERENCE PRESENTATIONS**

**McGuigan, AA.** Ticktin, T. Ecological functional diversity predicts nutritional functional diversity in complex agroforests. Oral Presentation. Society for Economic Botany/International Society for Ethnobiology. 2022 May 31; Jamaica.

**McGuigan, AA.,** Ticktin, T., Tora, M., Vuli, U., Tikonavuli, V., Batibasaga, R., Quazi, S., Dacks, R. Understanding social-ecological resilience: The dynamics of post-cyclone agroforest recovery in Fiji. Oral Presentation. Hawai'i Conservation Conference. 2020 September 1; Honolulu, HI.

Ticktin T, Quazi S, Dacks R, Tora M, **McGuigan AA**, Hastings Z. Drivers of biological and biocultural diversity in Pacific Island agroecosystems. Oral Presentation. Society for Economic Botany; 2017 June 6; Portugal.

Balick MJ, Plunkett GM, Ranker TA, Thackurdeen RS, Tuiwawa M, Harrison KD, Chanel S, Dovo P, Ala P, Alo F, Doro T, Wahe JP, Ramon L, Ticktin T, **McGuigan AA**, Naikatini A, Munzinger J, Perry BA., Amend AA. "*Plants mo Pipol blong Vanuatu*": A long-term multidisciplinary study. Oral Presentation. Society for Economic Botany. 2017 June 6; Portugal.

Plunkett GM, Balick MJ, Ranker TA, Thackurdeen RS, Tuiwawa M, Chanel S, Dovo P, Ala P, Alo F, Doro T, Wahe JP, Ramon L, Ticktin T, **McGuigan AA**, Naikatini A, Munzinger J, Perry BA., Amend AA., Harrison KD. "*Plants mo Pipol blong Vanuatu*": Long-term botanical studies in a South Pacific archipelago. Oral Presentation. Botany Conference. 2016 Aug 2; Savannah, GA.

**McGuigan AA**, Hawkins B. Using the three estrogen receptor model of the Atlantic croaker, *Micropogonias undulatus*, to screen nonpoint source pollution for environmental estrogens. Poster Presentation. Abstract Published In: Proceedings of the 7th Annual North Carolina Undergraduate Research and Creativity Symposium (SNURCS); 2011 Nov 4; Greenville, NC.

Nielsen N, **McGuigan AA**, Rierson SM, Ferzli M. How behavior, genetic diversity, and habitat loss affect big cat populations. Poster Presentation. Abstract Published In: Proceedings of the 21st Annual North Carolina State Undergraduate Research Symposium; 2011 April 12; Raleigh, NC.

#### **OUTREACH PANELS AND PRESENTATIONS**

- Ecological Functional Diversity Predicts Nutritional Functional Diversity in Complex Agroforests. Children's Healthy Living Center Food Systems Meeting. University of Hawai'i at Mānoa; 2022 Aug 9. Virtual.
- Social-Ecological Resilience of Agroforests in Fiji. Dissertation Defense. University of Hawai'i at Mānoa; 2022 May 3. Virtual.
- Your Identity Abroad: Race and Ethnicity. Understanding and Confronting our Biases as White Fulbrighters. Discussion Facilitator. Pre-Departure Orientation, Fulbright. Colorado State University; Institute of International Education; 2022 June 22. Virtual.
- South Pacific Country Sessions: Fiji, Solomon Islands, Tonga. Discussion Facilitator. Pre-Departure Orientation, Fulbright. Colorado State University; Institute of International Education; 2022 June 22. Virtual.
- Fulbright IS for You. Panel Discussion with Athena Fulay and Caroline Hendy. NAFSA: Association of International Educators Hawai'i Pacific District. 2022 April 29. Virtual
- Funding Your Graduate Studies. Panel Discussion with Kristen Connors and Shana Brown. University of Hawai'i at Mānoa. 2021 Oct 6. Virtual.
- Fulbright Information Session Webinar. Panel Discussion with Kristen Connors. University of Hawai'i at Mānoa. 2021 April 27. Virtual.
- Your Identity Abroad: Race and Ethnicity. Understanding and Confronting our Biases as White Fulbrighters. Discussion Facilitator. Pre-Departure Orientation, Fulbright. University of North Carolina; Institute of International Education; 2021 June 23. Virtual.
- Researching Abroad. Panel Discussion with Dr. Jessamyn Bowling, Bryan Nguyan, and Brittany Bondi. Pre-Departure Orientation, Fulbright. University of North Carolina; Institute of International Education; 2021 June 22. Virtual.

- Community Engagement Alumni Ambassador Panel for 2022-2023. Panel Discussion with Lee Rivers, Lindsey Liles, and Fernando Abarca. Fulbright Webinar Series. 2021 June 8. Virtual.
- Independent Research Alumni Ambassador Panel for 2022-2023. Panel Discussion with Lee Rivers, Pandora White, and Cris Ramón. Fulbright Webinar Series. 2021 May 5. Virtual.
- Your Identity Abroad: Race and Ethnicity. Understanding and Confronting our Biases as White Fulbrighters. Discussion Facilitator. Pre-Departure Orientation, Fulbright. University of North Carolina; Institute of International Education; 2020 Sept 30. Virtual.
- Researching Abroad. Panel Discussion with Dr. Jessamyn Bowling, Eric Miller, and Steven Gu. Pre-Departure Orientation, Fulbright. University of North Carolina; Institute of International Education; 2020 Sept 25. Virtual.
- South Pacific Country Sessions: Fiji, Solomon Islands, Samoa. Discussion Facilitator. Pre-Departure Orientation, Fulbright. University of North Carolina; Institute of International Education; 2020 Sept 23. Virtual.
- Submit a Winning Fulbright Application. Panel Discussion with Gerti Wilson and Rachel Oshinsky. Simmons University. 2020 April 30. Virtual.
- Independent Research Alumni Ambassador Panel for 2021-2022. Panel Discussion with Grant Stream-Gonzalez, Gerti Wilson, and Pandora White. Fulbright Webinar Series. 2020 April 27. Virtual.
- Fulbright Information Session Webinar. Panel Discussion with Kristen Connors. University of Hawai'i at Mānoa. 2020 April 24. Virtual.
- Fulbright Digital Information Session. Panel Discussion with Samantha Senda-Cook. Creighton University 2020 April 23. Virtual.
- Practical Tools for Telling your Fulbright Story. Panel Contributor, Allie Kuenzi, Joanne Katz. Pre-Departure Orientation, Fulbright. University of North Carolina; 2019 July 17. Charlotte, NC.
- Your Identity Abroad: Mental and Emotional Health. Stress Avoiding Burnout and the Importance of Self-care. Discussion Facilitator. Pre-Departure Orientation, Fulbright. University of North Carolina; Institute of International Education; 2019 July 16. Charlotte, NC.
- U.S. Fulbright Student Researcher: Best Practices for Ensuring a Successful Fulbright Grant and Thriving Abroad. Panel Discussion with Dave Paulson, and Dr. William Taylor. Pre-Departure Orientation, Fulbright. University of North Carolina; Institute of International Education; 2019 July 16. Charlotte, NC.
- South Pacific Country Sessions: Fiji, Tonga, Samoa. Discussion Facilitator. Pre-Departure Orientation, Fulbright. University of North Carolina; Institute of International Education; 2019 July 15. Charlotte, NC.

#### INVITED LECTURES

- Conservation and Restoration of Pacific Island Agroforestry Systems. Co-led Talk with Zoe Hastings. Biophilia Network Speaker Series. Phipps Conservatory and Botanical Gardens; 2020 Oct 1. Virtual.
- Career Options. Lecture. Freshman Seminar, BOT100. University of Hawai'i at Mānoa; 2019 Sept 9; Honolulu, HI.
- Agroforest resilience and contributions to nutritional diversity in Fiji. Biophilia Network Speaker Series. Phipps Conservatory and Botanical Gardens; 2017 Sept 15. Pittsburgh, PA.
- What is Agroforestry? Lecture. Ethnobotany, BOT105. University of Hawai'i at Mānoa; 2017 Sept 6; Honolulu, HI.

- Mangrove Conservation and Reforestation in Fiji. Lecture. Insight Global Education Engage Fiji. 2017 May 17; Suva, Fiji.
- Ethnobotanical Research Methods. Lecture. Ethnobotany, BOT105. University of Hawai'i at Mānoa; 2015 Oct 28; Honolulu, HI.
- Study Abroad: How to go and the Global Perspectives Certificate to Pursue After. Lecture. World Population and Food Prospects, STS323. North Carolina State University; 2014 Dec 9; Raleigh, NC.
- Do Historic Land-use Practices at Yates Mill Park Affect Biodiversity? Lecture. Field Ecology Methods, BIO460. North Carolina State University, 2013 Dec 4; Raleigh, NC.

# **CIVIC ENGAGEMENT AND COMMUNITY SERVICE**

SACNAS Conference Volunteer, Soc. for Adv. of Chicanos/Hispanics and Native Americans in Sci	. 10/2019
Graduate Student Representative, Government, University of Hawai'i at Mānoa, Honolulu, HI	08/2015 - 05/2018
Kaho'olawe Service-Learning Volunteer, University of Hawai'i at Mānoa, Honolulu, HI	10/2015
Teaching Farm Volunteer, Inter-Faith Food Shuttle, Raleigh, NC	06/2013 - 09/2013
Econesian Society Member, University of the South Pacific, Suva, Fiji	02/2012 - 01/2015
Alexander Global Village Resident, North Carolina State University, Raleigh, NC	09/2010 - 12/2011
Conservation Crew Member, Student Conservation Association, Natchez Trace Park, MS	07/2009

# PROFESSIONAL DEVELOPMENT EVENTS

Society for Economic Botany/International Society for Ethnobiology, Kingston, Jamaica	05/2022	
Science Engagement and Communication Workshop, Phipps Botanical Gardens, Virtual	09/2020	
AIBS Communication Boot Camp for Scientists, American Institute for Biological Sciences, Virtual	07/2020	
Why Place-based Learning is Important: Building Pilina Workshop, Honolulu, HI	10/2019	
Species Red Listing Workshop, Suva, Fiji	02/2019	
Science Engagement and Communication Workshop, Phipps Botanical Gardens, Pittsburgh, PA	09/2017	
Biocultural Indicators Workshop, Suva, Fiji	05/2016	
Assessing Biocultural Indicators of Community and Ecological Resilience, SNAP, Honolulu, HI	12/2015	
Structural Equation Modeling Workshop by Dr. James Grace, USGS, Honolulu, HI	03/2015	
International Conference on Renewable Energy & Climate Change, Suva, Fiji	07/2014	
Society for Conservation Biology Oceania Conference, Suva, Fiji	07/2014	
Society of Ethnobiology/Society for Economic Botany, Cherokee, NC	05/2014	
State of North Carolina Undergraduate Research Symposium, East Carolina University, NC	11/2011	
North Carolina State Undergraduate Research Symposium, Raleigh, NC	04/2011	

#### LANGUAGES

Fijian – advanced working proficiency Spanish – limited working proficiency Bislama – elementary proficiency

# **PROFESSIONAL MEMBERSHIPS**

Association for Temperate Agroforestry	2023 – Present
IEEE - Institute of Electrical and Electronics Engineers	2020 – Present
United States Fulbright Program	2016 – Present
AAAS/Science Program for Excellence in Science	2016 – Present
Biocultural Initiative of the Pacific	2015 – Present
Botanical Society of America	2015 – Present
Society for Economic Botany	2014 – Present
International Society of Ethnobiology	2014 – Present
Econesian Society	2012 – 2015

#### **PROFESSIONAL CERTIFICATIONS**

Food Systems Live!: Entrepreneurship in Emerging Economies, Harvardx	01/2023 - Present
Teaching License, Fiji Teachers Registration Authority	09/2016 – 09/2017
Climate Change in the Pacific Islands, UNESCO Master-class Series	10/2015 – 11/2015
SCUBA Open Water Diver, Professional Association of Diving Instructors (PADI)	02/2012 - Present

# PRESS COMMUNICATIONS

- Fellowship promoting women empowerment awarded to 4 UH students. 2021 November. https://www.hawaii.edu/news/2021/11/01/fellowship-promoting-women-empowerment/
- Musa. Herbs in Action: Reflections and Stories from the Phipps Botany in Action Fellows. Podcast. http://www.mjbergerfoundation.org/herbs-in-action
- 2020 Fulbright Alumni Ambassadors. Biography. Fulbright U.S. Student Program. 2020 January. <a href="https://us.fulbrightonline.org/alumni/alumni-ambassadors">https://us.fulbrightonline.org/alumni/alumni-ambassadors</a>
- Up Close & Personal. Ke Aniani 'Ōpaka, The Prism The University of Hawai'i at Mānoa International Newsletter. International. The University of Hawai'i at Mānoa. Fall 2018. Issue 15. Honolulu, HI. <a href="https://manoa.hawaii.edu/international/prism/PDF/The\_Prism\_Fall\_2018.pdf">https://manoa.hawaii.edu/international/prism/PDF/The\_Prism\_Fall\_2018.pdf</a>
- Botany students receive NSF awards. Interview. College of Natural Sciences. The University of Hawai'i at Mānoa. 2017 April 15; Honolulu, HI. http://natsci.manoa.hawaii.edu/view/?permalink=botany-students-receive-nsf-awards
- Goatweed. Herbs in Action: Reflections and Stories from the Phipps Botany in Action Fellows. Podcast. http://www.mjbergerfoundation.org/herbs-in-action
- Fulbright Awardee Ashley McGuigan. Interview. Graduate Division. The University of Hawai'i at Mānoa. 2016 June 18; Honolulu, HI. http://www.manoa.hawaii.edu/graduate/content/fulbright-awardee-ashley-mcguigan
- Botany graduate student received Fulbright Grant. Interview. Kaunānā The Research Publication of the University of Hawai'i at Mānoa. The University of Hawai'i at Mānoa. 2016 July 8; Honolulu, HI. <a href="http://manoa.hawaii.edu/kaunana/botany-graduate-student-received-fulbright-grant/">http://manoa.hawaii.edu/kaunana/botany-graduate-student-received-fulbright-grant/</a>
- Featured Alumni, Global Perspectives Program. Interview. Global Perspectives Certificate Newsletter. North Carolina State University. 2015 October. Raleigh, NC. https://gpc.dasa.ncsu.edu/about/gpc-alumni/ashley-mcguigan/