

# ELIZABETH ONEITA DAVIS

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## REFERENCES

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## PUBLICATIONS

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Cerri, J., **Davis, E.O.**, Verissimo, D., Glikman, J.A. 2021. Specialized questioning techniques and their use in conservation: A review of available tools, with a focus on methodological advances. *Biological Conservation*, 257(2021), <https://doi.org/10.1016/j.biocon.2021.109089>

**Davis, E.O.**, Owen, M.A., Glikman, J.A. 2021. Wildlife trade in 2021: Still start with the consumer. *Asian Journal of Conservation Biology*, 10(1), 1-2

**Davis, E.O.**, Crudge, B. and Glikman, J.A., 2020. The nominative technique: a simple tool for assessing illegal wildlife consumption. *Oryx*, pp.1-4.

**Davis, E.O.**, Verissimo, D., Crudge, B., Lim, T., Roth, V. and Glikman, J.A. 2020. Insights for reducing the consumption of wildlife: The use of bear bile and gallbladder in Cambodia. *People and Nature*, 1-14. <https://doi.org/10.1002/pan3.10164>

**Davis, E.O.**, Gaffi, L., Mussoni, G., Zaw, T. and Glikman, J.A., 2020. Insights into medicinal wildlife consumption and bear part use in Rakhine, Myanmar. *Journal for Nature Conservation*, p.125923.

Egna, N., O'Connor, D., Stacy-Dawes, J., Tobler, M., Pilfold, N., Neilsen, K., Simmons, B., **Davis, E.O.**.... et al., 2020. Camera settings and habitat type influence the accuracy of citizen science approaches to camera trap image classification. *Ecology and Evolution*, <https://doi.org/10.1002/ece3.6722>

Watsa, M. and Wildlife Disease Surveillance Focus Group (Erkenswick, G., Prost, S., **Davis, E.O.**, Meredith, A., Phillips, J., Owen, M., Ogden, R., Ryder, O., Witte, C., Moore, C., Kubiski, S., Steiner, C). 2020. Viewpoint: COVID-19: Rigorous wildlife disease surveillance: a decentralized model could address global health risks associated with wildlife exploitation. *Science*, 369 (6500), 145-147. DOI: 10.1126/science.abc0017

**Davis, E.O.**, Gibson, M., Lim, T. Glikman, J.A. 2020. Bear bile use at the intersection of maternal health in Cambodia. *Journal of Ethnobiology and Ethnomedicine*, 16, 28. <https://doi.org/10.1186/s13002-020-00380-6>

**Davis, E.O.**, Gaffi, L., Mussoni, G., Zaw, T., Glikman, J. 2020. Possible Evidence for a Lack of Medicinal Efficacy in Sun Bear Bile? *International Bear News*, 29(1), 15-16

**Davis, E.O.** and Glikman, J.A., 2020. An Assessment of Wildlife Use by Northern Laos Nationals. *Animals*, 10(4), p.685

**Davis, E.O.**, Willemsen, M., Dang, V., O'Connor, D. and Glikman, J.A., 2020. An updated analysis of the consumption of tiger products in urban Vietnam. *Global Ecology and Conservation*, 22, p.e00960.

**Davis, E.O.**, 2019. *Understanding Use of Bear Products in Southeast Asia: Human-Oriented Perspectives from Cambodia and Laos* (Doctoral dissertation, Ph. D. Thesis, University of Bristol, Bristol, UK).

Castro, A.O., **Davis, E.O.**, and Hinsley, A., 2019. Asking sensitive questions in conservation using the Unmatched Count Technique. *SocArXiv* 10.31235/osf.io/rcdbk

**Davis, E.O.**, Glikman, J.A., Crudge, B., Dang, V., Willemsen, M., Nguyen, T., O'Connor, D. and Bendixsen, T., 2019. Consumer demand and traditional medicine prescription of bear products in Vietnam. *Biological Conservation*, 235, pp.119-127.

Glikman, J.A., Ciucci, P., Marino, A., **Davis, E.O.**, Bath, A.J. and Boitani, L., 2019. Local attitudes toward Apennine brown bears: Insights for conservation issues. *Conservation Science and Practice*, 1(5), p.e25.

**Davis, E.O.**, Crudge, B., Lim, T., O'Connor, D., Roth, V., Hunt, M. and Glikman, J.A., 2019. Understanding the prevalence of bear part consumption in Cambodia: A comparison of specialised questioning techniques. *PloS one*, 14(2), p.e0211544

**Davis, E.O.**, Glikman, J.A., Crudge, B., Willemsen, M., Dang, V., Bendixsen, T. 2018. Bear Parts Use in Vietnam: Do We Know as Much as We Think We Do? *International Bear News*, 27(2), 12-13

**Davis, E.O.**, O'Connor, D., Glikman, J.A., Verissimo, D., Crudge, B., Lim, T., Hunt, M. 2018. Understanding Use of Bear Parts in Southeast Asia to Diminish Demand. *International Bear News*, 27(1), 9-10

**Davis, E.O.**, O'Connor, D., Crudge, B., Carignan, A., Glikman, J.A., Browne-Núñez, C., Hunt, M. 2016. Understanding public perceptions and motivations around bear part use: A study in northern Laos of attitudes of Chinese tourists and Lao PDR nationals. *Biological Conservation*, 203(2016), 282-289

Crudge, B., O'Connor, D., Hunt, M., **Davis, E.**, Browne-Núñez, C. 2016. Groundwork for effective conservation education: an example of in situ and ex situ collaboration in South East Asia. *International Zoo Yearbook*

O'Connor, D., Crudge, B., **Davis, E.**, Hunt, M., Harris, J., Browne-Núñez, C., Khuoy, P., Blint, E. 2015. Understanding attitudes and usage of wild bear parts in Laos and Cambodia: A preliminary study using citizen scientists. *Cambodian Journal of Natural History*, 1:67-68

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#### PUBLICATIONS IN PREP

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Ruppert, K.A., Sponarski, C.C., **Davis, E.O.**, Masiaine, S., Larpei, L., Lekalgitele, J., Lekupanai, R., et al. 2020. Use of Specialized Questioning Techniques to Detect Decline in Giraffe Meat Consumption. *SocArXiv*. September 26. doi:10.31235/osf.io/8vw7c. (submitted)

Cerri, J., **Davis, E.O.**, Diogo Verissimo, and Jenny A. Glikman. 2020. A Fine Balance: Specialized Questioning Techniques and Their Use in Conservation. *EcoEvoRxiv*. October 1. doi:10.32942/osf.io/f5e89 (accepted)

Ho, M.H., **Davis, E.O.**, Glikman, J.A. The spread of bear bile in a Vietnamese social network through gifting.

Frank, B., Glikman, J.A., **Davis, E.O.** "Loving parks to death": Wildlife value orientations of park visitors in Vancouver Island, Canada (submitted).

de Silva, S., **Davis, E.O.**, Glikman, J.A. Factors influencing coexistence with elephants in Sri Lanka.

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#### EDUCATION

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##### UNIVERSITY OF BRISTOL

*Doctor of Anthropology*

Bristol, UK

October 2015 – March 2020

##### UNIVERSITY OF ST. ANDREWS

*Bachelor of Science (Hons) in Zoology*

St. Andrews, UK

September 2010 – June 2014

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#### EXPERIENCE

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##### SAN DIEGO ZOO WILDLIFE ALLIANCE

*Leader, Asian Rainforest Hub*

San Diego, CA

January 2021 - Present

10 hrs/wk

- I guide our inter-disciplinary, inter-organizational conservation strategy in the Southeast Asian region and ensure that we have maximum impact with our suite of conservation activities, ranging from OneHealth veterinary strategies, to applied behavior change initiatives to reduce demand for wildlife.

## TRƯỜNG ĐẠI HỌC VINH (VINH UNIVERSITY)

*Adjunct Professor at the Center for Environment and Rural Development (CERD)*

Vinh, Vietnam  
July 2019 – Present  
10 hrs/wk  
Voluntary

- I am currently advising six masters students at Vinh University in the following projects: social network spread of bear bile use in the high consumption area of Nghe An Province; the consumption and trade of tigers in Nghe An (two students); motivations for consuming wild meat; motivations among ethnic groups such as the Hmong and the Thai for drinking wild animal wine; and the social influences of bear bile use and how those influences diverge by gender.
- Through the course of this partnership I have trained CERD students and other students in Biological Sciences at Vinh University with conservation social science skills, including how to design a research project, how to perform statistical analysis in R, and how to conduct and design surveys and interviews.
- I have managed a multi-province study of 2,000 surveys across Vietnam, which has the goal of understanding bear farming, trade in bear bile, and bear bile consumption. Data collection will be completed by mid-June 2020 with analysis and publications to follow later in the year.

## SAN DIEGO ZOO WILDLIFE ALLIANCE

*Postdoctoral Associate in Community Engagement*

San Diego, CA  
February 2019 - Present  
30 hrs/wk

- I am currently working for San Diego Zoo Global to understand wildlife consumption in Southeast Asia, with a particular focus on the consumption of bears. Through the course of this initiative I: perform statistical analysis in R; design surveys; conduct interviews; conduct training workshops of in-country research assistants; write research papers; advise in-country partners on questionnaire design; and advise on project implementation and protocol.
- As part of the above initiative, I am the research advisor for a behavior change initiative to reduce the consumption of bear bile in northeast Cambodia. The project will be implemented post COVID-19 and will be evaluated for success using pre and post surveys at control and treatment sites.
- I have been a facilitator for the San Diego Zoo's Advanced Inquiry Program for Masters-level students. In this program I have taught social science methods, statistical concepts, and the application of statistical tests in R. I have also graded students' work and acted as their point of contact. The three programs I have assisted on (through my role as a postdoctoral associate and as a contractor and research associate) are: Foundations of Inquiry, Human Dimensions of Conservation, and Socio-Ecological Methods in Conservation. Currently, I am advising a student in her master plan around demand reduction.
- I have advised and assisted an undergraduate summer fellow in Community Engagement, My Ha Ho, with her project investigating the spread of bear bile use through gifting in a "closed" social network. In this project we travelled to Vietnam, where she conducted her interviews in Hanoi and Nghe An Province, in central Vietnam. We are currently working on a research article.

## SAN DIEGO ZOO WILDLIFE ALLIANCE

*Contractor in Community Engagement*

San Diego, CA  
June 2015 – February 2019

- In this role I performed the work that I now undertake as a postdoctoral associate, which began on a volunteer basis in October 2014 with a project to understand consumption of bear bile in Laos. I acted as a volunteer until I was officially hired in June 2015. The project then moved to Cambodia, where we undertook a multi-year effort to understand bear bile consumption in the full country. As detailed above, in this role I performed statistical analysis in R; designed surveys; conducted interviews; conducted training workshops of in-country research assistants; wrote research papers; advised in-country partners on questionnaire design; and advised on project implementation and protocol.
- I assisted with population analysis of the under-studied reticulated giraffe. This analysis involved the application of detectability models, Cormack-Jolly-Seber models, and Bayesian prediction models. All analysis was performed in R.
- I assisted with the organization of the 1st Illegal Wildlife Trade Symposium in Oxford, aligned with the Oxford Martin School Illegal Wildlife Trade Initiative. At this symposium, I gave one of the opening plenary talks.

*Research Associate in Community Engagement at San Diego Zoo Institute for Conservation Research* June 2011 – June 2015

*Research Associate in Applied Animal Ecology at San Diego Zoo Institute for Conservation Research* June 2009 – August 2010

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## GRANTS AWARDED

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### OCELOTS PROGRAM

*Materials for Bear Education Programs in Cambodia*

January 2021

\$ 2,312 (USD)

### UNITED STATES FISH AND WILDLIFE SERVICE (USFWS)

*Understanding People's Attitudes and Behavior Towards Wildlife:*

*Designing a Theory of Change for Demand Reduction for Bear Products in Cambodia*

September 2017 – June 2019

\$ 99,145 (USD)

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## PROFESSIONAL DEVELOPMENT

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### CONFERENCES

*International Conference for Conservation Biology*

Kuala Lumpur, Malaysia

July 2019

- Presented on consumer demand for bear products in urban Vietnam

*Illegal Wildlife Trade 2018 London Conference*

London, UK

October 2018

- Attended as an invited delegate

*26<sup>th</sup> Annual International Bear Association (IBA) Conference*

Ljubljana, Slovenia

September 2018

- Poster on a country-wide assessment of bear product consumption in Cambodia (Davis et al., 2019)

*25<sup>th</sup> Annual International Bear Association (IBA) Conference*

Quito, Ecuador

November 2017

- Keynote presentation on broad work performed in Southeast Asia to understand the bear part trade

*North American Congress for Conservation Biology (NACCB)*

Madison, Wisconsin, USA

July 2016

- Presentation in Human Centred Design Symposium: presented on survey design in understanding bear consumption in Southeast Asia

### SYMPOSIUMS

*Evidence to Action: Research to Address Illegal Wildlife Trade*

London, UK

October 2018

- Participated in a workshop designed to isolate the categories of motivations consumers have for using wildlife products

*1<sup>st</sup> Annual Sun Bear Symposium*

Kuala Lumpur, Malaysia

September 2017

- Keynote presentation on the use of sensitive questioning techniques in understanding bear part use
- Participated in an invitation-only, follow-up workshop where the sun bear action plan was created

*1<sup>st</sup> Illegal Wildlife Trade Symposium*

Oxford, UK

September 2017

- Plenary presentation on qualitative techniques used in understanding the illegal wildlife trade, specifically in Cambodia and Lao PDR
- Participated in workshops around: sensitive questioning techniques, use of statistical modelling in understanding the illegal wildlife trade, innovation in addressing the illegal wildlife trade, and the use of zoos in addressing the illegal wildlife trade

### OTHER EVENTS

*San Diego Zoo Global Department of State Visit*

Escondido, CA, USA

July 2019

- Presented to dignitaries from a variety of organizations working to address illegal wildlife trade within and without their borders, ranging from TRAFFIC India, WCS Laos, and the Finnish Chief of Police. I presented on SDZG's work to understand the use of bear bile by Laos nationals around Luang Prabang.

*San Diego Zoo Institute for Conservation Research Summer Seminar Series*

Escondido, CA, USA  
July 2017

- Presented on San Diego Zoo Global's project to understand the consumption of bear bile/gallbladder in Southeast Asia: specifically, background, results, and future steps

*Oxford Martin School Illegal Wildlife Trade Opening Event*

Oxford, UK  
November 2016

- Participated in workshops concerned with understanding the mechanics of the illegal wildlife trade

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## CERTIFICATIONS

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### MICROSOFT

Programming in R with Data Science

April 2017

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## SCIENTIFIC SKILLS

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Extensive experience **managing Southeast Asian-based research programs**. Extensive **field** and **lab** experience. Extensive experience **teaching** all levels of higher education. Extensive experience in **scientific communication**. Extensive experience in the statistical program **R**. Experience in **social media development**. Extremely proficient at **writing**, and at **oral presentations**. Comfortable with **video editing**. Overall **technologically adept**. Excellent **personal skills** and ability to **initiate, maintain, facilitate**, and **grow** partnerships.