

Curriculum vitae

Jenny A. Hazlehurst, PhD

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Academic Positions:

- August 2019 - present **Assistant Professor of Biology**, Department of Biological Sciences, California State University East Bay.
- 2019 **Researcher**, San Clemente Island Pollinators of Endangered Plants Surveys. Santa Barbara Botanic Garden.
- 2016 – 2019 **Postdoctoral Scholar**, Department of Entomology, Rankin Lab, University of California, Riverside.
- 2016 **Postdoctoral Scholar**, Hummingbird Health and Conservation Program, Veterinary Medicine and Epidemiology, Tell Lab, University of California, Davis.

Education:

- PhD (2016) Ecology and Evolutionary Biology
Tulane University
Advisor: Jordan Karubian
- BS (2008) Ecology, Animal Behavior, and Evolution
University of California, San Diego

Awards and Honors:

- 2016 Gerald E. Gunning Memorial Award [for top departmental doctoral thesis of 2016], Tulane University
- 2011 Young Explorer, National Geographic Society
- 2011 Fulbright Scholar [awarded but declined] Papua New Guinea, U.S. Dept. of State

Grants Awarded

- CSUEB College of Science Collaborative Research Grant, \$4,000.
- Save the Redwoods League Research Grant, \$13,838.
- California Governor’s Office of Planning and Research California Learning Lab. “Closing equity gaps in introductory biology through faculty professional development in active learning practices”. Subaward from UC Berkeley, \$12,307.

CSUEB Office of Research and Sponsored Projects Faculty Support Grant, \$7,000.

NSF MSB-ECA Grant, \$299,997 (Collaborator with E. Wilson-Rankin, C. Clark, and Q. S. McFrederick).

NSF Doctoral Dissertation Improvement Grant, \$13,000 (Co-PI with J. O. Karubian).

Animal Behavior Society Student Research Grant, \$1,100.

National Geographic Young Explorer Grant, \$5,000.

Summer Graduate Research Grant, Stone Center for Latin American Studies, \$2,000.

Federal Contracts

San Clemente Island Terrestrial Invertebrate Surveys Project, Cooperative Agreement #N624731820018. Department of Defense, \$313,182 [Santa Barbara Botanic Garden lead]. 2018-2022

Restoring Pollination Networks for the California Jewelflower, Cooperative Agreement #L20AC00477, Bureau of Land Management Central California District, \$146,721 [Santa Barbara Botanic Garden lead]. 2022-2024.

Teaching

- Professor, *Conservation Biology* (BIOL 469), CSU East Bay.
- Professor, *Foundations of Scientific Research* (BIOL 601A/B), CSU East Bay.
- Professor, *Organismal Biology* (BIOL 140B), CSU East Bay.
- Professor, *Graduate Seminar in Ecology* (BIOL 650), CSU East Bay.
- Professor, *Ecology* (BIOL 350), CSU East Bay.
- QUBES/Botanical Society of America (BSA) Faculty Mentoring Network **2018**.
- NSF/HHMI Scientific Teaching Fellow, University of California, Riverside **2017-2018**.
- Graduate Teaching Assistant, *Diversity of Life Laboratory* (EBIO 1015), Tulane University **2015-2016**.
- Graduate Teaching Assistant, *Experimental Animal Behavior* (EBIO 3690), Tulane University **2011-2012**.

University Service

- Dept. of Biology Curriculum Assessment Committee. 2019 – present.
- Dept. of Biology Graduate Program Committee. 2021 – present.
- Academic Senate Subcommittee on Lecturer Faculty. 2023 – present.

Peer-Reviewed Publications

*indicates undergraduate student author advised by me, # indicates graduate student author advised by me.

Hazlehurst, J. A., Rankin, D. T., Clark, C. J., McFrederick, Q. S., & Wilson-Rankin, E. E. (2023). Beyond nectar: Extensive arthropod foraging in California hummingbirds revealed by DNA metabarcoding. *Food Webs*. ***Under Review***.

- Hazlehurst, J. A.**, Calloway, S. M., & Knapp, D. A. (2023). Pollination ecology of 3 endangered plant species on San Clemente Island, CA. *Journal of Pollination Ecology*. *Journal of Pollination Ecology*, 33, 207-227.
- Lawrence, S. L.[#], & **Hazlehurst, J.** (2023). Hummingbird foraging preferences during extreme heat events. *Ecology and Evolution*, 13(5), e10053.
- Ealy, N.*[#], Pawelek, J., & **Hazlehurst, J.** (2023). Effects of forest management on native bee biodiversity under the tallest trees in the world. *Ecology and Evolution*, 13(7), e10286.
- Hazlehurst, J. A.**, Rankin, D. T., Clark, C. J., McFrederick, Q. S., & Wilson-Rankin, E. E. (2021). Macroecological patterns of resource use in resident and migratory hummingbirds. *Basic and Applied Ecology*, 51, 71-82.
- Tell, L. A., **Hazlehurst, J. A.**, Bandivadekar, R. R., Brown, J. C., Spence, A. R., Powers, D. R., Agnew, D. W., Woods, L. W., & A. Engilis Jr. (2021). Hummingbird (Family Trochilidae) Research: Welfare-conscious Study Techniques for Live Hummingbirds and Processing of Hummingbird Specimens. *Special Publications Museum of Texas Tech University*.
- Yang, S., **Hazlehurst, J.**, & Taniguchi, D. A. (2021). Cats Teach Stats: An Interactive Module to Help Reduce Anxiety When Learning Statistics in Biology. *The American Biology Teacher*, 83(8), 542-544.
- Pavan, L.I., Jankowski, J.E. & **Hazlehurst, J. A.** (2020). Patterns of territorial space use by Shining Sunbeams (*Aglaeactis cupripennis*), tropical montane hummingbirds. *Journal of Field Ornithology*, 91(1): 1–12.
- Bodden, J.*[#], **Hazlehurst, J.**, and E. E. Wilson Rankin. (2019). Floral traits predict frequency of defecation on flowers by foraging bumble bees. *Journal of Insect Science*, 19: 2.
- Enbody, E.D., Boersma, J., Jones, J.A., Chatfield, M. W. H., Ketaloya, S., Nason, D., Baldassarre, D. T., **Hazlehurst, J.**, Gowen, O., Schwabl, H., J. Karubian (2019). Social organization and breeding biology of the White-shouldered Fairywren (*Malurus alboscapulatus*). *Emu*, 119: 274–285.
- Céspedes, L.N.*[#], Pavan, L.I., **Hazlehurst, J.**, and J. E. Jankowski. 2019. The behavior and diet of the Shining Sunbeam (*Aglaeactis cupripennis*): A territorial high-elevation hummingbird. *The Wilson Journal of Ornithology*, 131: 24–34.
- Hazlehurst, J.**, 2018. HHMI BioInteractive. Seed Dispersal, Mutualisms, and Communities. Plants by the Numbers, QUBES. doi:10.25334/Q44700.
- Hazlehurst, J.**, and J. Karubian. (2018). Impacts of nectar robbing on the foraging ecology of a territorial hummingbird. *Behavioural Processes*, 149: 27–34.
- Mahoney, M.C., Browne, L., Diaz-Martin, Z., Olivo, J., Cabrera, J., Gonzalez, M., **Hazlehurst, J.**, & Karubian, J. 2017. Fruit removal by large avian frugivores varies in relation to habitat quality in continuous neotropical forest. *Neotropical Ornithology*, 29: 247.
- Mikoni, N. A., Poppenga, R., Ackerman, J., Foley, J., **Hazlehurst, J.**, Purdin, G., Aston, L., Hargrave, S., & Jelks, K. 2017. Trace element contamination in feather and tissue samples from Anna’s hummingbirds. *Ecological Indicators*, 80: 96–105.

Hazlehurst, J., Cardenas, S., Tinoco, B., & Karubian, J. (2016). The pollination ecology of *Oreocallis grandiflora* at the northern and southern ends of its range. *Journal of Pollination Ecology*, 19: 71–80.

Hazlehurst, J., & Karubian, J. (2016). Nectar robbing impacts pollinator behavior but not plant reproduction. *Oikos*, 125: 1668–1676.

Hazlehurst, J., and G. A. Londoño. (2012). Reproductive biology of the Yungas Manakin (*Chiroxiphia boliviana*) in Manu National Park, Per. *Ornitologia Neotropical*, 23(4): 597–601.

Invited talks

Hazlehurst, J. A. “Filling critical gaps in California native plant conservation with pollination ecology”. Jan 14, 2022. Dept. of Biology Seminar, Texas A&M University San Antonio, Invited Speaker.

Hazlehurst, J. A. "Documenting plant-pollinator interactions in California's biodiversity hotspots". Oct 12, 2020. Dept. of Biology Seminar, Georgia Southern University, Invited Speaker.

Conference Presentations * indicates CSUEB undergraduate student author, # indicates CSUEB graduate student author.

Ealy, N.*, Pawelek, J., & Hazlehurst, J. A. “Effects of forest management on native bee biodiversity under the tallest trees in the world.”. Poster. Ecological Society of America Conference in Portland, OR, August 2023.

Mendoza, D.*, Morales, Y.*, Hopkins, K.*, Lucke Lawrence, S.#, & Hazlehurst, J. A. “Effects of restoration mowing on native bee biodiversity in California Oak savanna ecosystems”. Poster. Ecological Society of America Conference in Portland, OR, August 2023.

Mendoza, D.*, & Hazlehurst, J. A. “Lack of knowledge about pollination of endangered California plants poses threat to conservation”. Poster. North America Conference of Conservation Biology (NACCB) in Reno, NV, July 2022.

Hazlehurst, J. A., Taniguchi, D., & Yang, S. “Cats Teach Stats: Purrfect Tools to Reduce Statistics Anxiety”. Poster. National Association of Biology Teachers Conference in San Diego, CA, October 2018.

Hazlehurst, J. A. “DNA metabarcoding reveals hidden pollination networks”. Oral Presentation. International Ornithological Congress (IOC) in Vancouver, Canada, August 2018.

Hazlehurst, J. A. “Hummingbird pollination in the California Floristic Province”. Oral Presentation. California Native Plant Society Conservation Conference in Los Angeles, CA, February 2018.

Hazlehurst, J. A. “Diet of hummingbirds in the California Floristic Province”. Oral Presentation. Annual Meeting of the Ecological Society of America in Portland, OR, August 2017..

Recent Outreach & Volunteer Work

- Presenter Butterfly & Bird Festival. Coyote Hills Regional Park, Fremont, CA, June 4th 2023.
- CSUEB Nature Weekend iNaturalist Bioblitz 2020. CSU East Bay, Hayward, CA, Aug 14-16th 2020.
- STEAM Storytime founder and director for Riverside and Los Angeles Public Libraries. January 2018 – 2019.