**Luis Gutierrez**

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**Education**

**Arizona State University** GPA: 3.94 Expected May 2026

Ph.D. Biology and Society

Ph.D. Dissertation Co-Chairs: Dr. Beth Polidoro & Dr. Ann Kinzig

**Arizona State University** GPA: 3.96 May 2020

Bachelor of Science in Biological Science (Conservation Biology and Ecology)

 Integrated double minor in Spanish and Sustainability with a certificate in Environmental Education

**Awards**

Western Alliance to Expand Student Opportunities (WAESO) Scholar, National Science Foundation 2017

Hispanic Scholar, Hispanic Scholarship Fund 2016

**Publications**

Cramer K, Bernard M, Bernat I, **Gutierrez L**, Murphy E, Sangolquí P, Surrey K, Gerber L. (2022). The present and future status of ecosystem services from coral reefs. *In*: Imperiled: The Encyclopedia of Conservation. Amsterdam: Elsevier.

**Research**

Ph.D. research, Polidoro SWATlab 2020 - Present

Aid the IUCN Coral Specialist Group in the completion of the 2021 global Red List assessment on all known species of coral.

Map coral habitat distribution using ArcGIS.

Assist in updating species accounts in collaboration with volunteer IUCN researchers.

Honors Thesis, Barrett, the Honors College, Arizona State University 2017 - 2020

Investigate the lack of minority representation in environmental programs.

Formulate an experimental design in which to collect data from students, including drafting and distributing a survey.

Conduct ANOVA and Pearson’s correlation tests among sample populations within SPSS.

Research Assistant, Kevin McGraw Lab, Arizona State University 2017

Survey nesting locations of the house finch within South Mountain park.

Monitor and measure the development of eggs and chicks in each nesting location.

Observe parental behavior and nest construction.

Seasonal Field Technician, Audubon Arizona 2015

Assist Audubon biologists in conducting surveys for the western-yellow billed cuckoo (Coccyzus americanus).

Research the bird's’ presence/absence, breeding behavior, and habitat preferences.

Help transport survey equipment down canyons and through riverbeds.

**Conference Presentations**

“An Updated Red List Assessment of Endemic Reef-Building Corals in the Caribbean”. *Gulf and Caribbean Fisheries Institute*. Fort Walton Beach, Florida, November 2021.

**Teaching Experience**

Teaching Assistant, Bioethics, Arizona State University Jan. 2022 - Present

Guide discussion and debate on past and present bioethical issues in a small group setting

Provide feedback and edits for written assignments and projects

Teaching Assistant, Environmental Ethics, Arizona State University Jan. 2021 – Dec. 2021

Assist two sessions of online instruction on a broad range of issues related to environmental ethics

Grading and providing feedback for online assignments and written exams

Teaching Assistant, Intro Biology Lab, Arizona State University Aug. 2020 – Dec. 2020

Led two sections of lab fully online leading students through the various levels of ecology

Grade and provide feedback for assignments and lab reports

Organize and facilitate final presentations via Zoom

Education Host, Sea Life Arizona 2019 - 2020

Conduct discussions and talks regarding marine ecosystems and species.

Inform the public about the importance of conservation and their role as environmental stewards.

Teach children in a classroom setting about the physical, geological, chemical, and biological components of our oceans.

**Leadership and Service**

School of Life Sciences Executive Board 2021 - Present

Coordinator of BIO 591: Current Topics in Life Sciences