



Jeffrey Alexander Brown
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General Information

Assistant Professor
Department of Biology
La Salle University
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Professional Appointments

- 2022 – Present **Assistant Professor.** La Salle University. Biology Department. Philadelphia, Pennsylvania.
- 2019 – 2022 **Postdoctoral Research Associate.** Arizona State University. Global Institute of Sustainability and Innovation - Central Arizona-Phoenix Long Term Ecological Research Project. Tempe, Arizona.
- 2020 – Present **Adjunct Professor.** Rutgers University. Department of Ecology, Evolution, and Natural Resources. New Brunswick, New Jersey.
- 2020 – Present **Course Developer | Lecturer.** Arizona State University Online. School of Life Sciences.
- 2016 – 2019 **Course Developer | Lecturer.** Rutgers University. Department of Ecology, Evolution, and Natural Resources. New Brunswick, New Jersey.
- 2014 – 2019 **Teaching Assistant | Graduate Research Assistant.** Rutgers University. Department of Ecology, Evolution, and Natural Resources. New Brunswick, New Jersey.
- 2018 – 2019 **Educational Specialist.** Staten Island Zoo. Staten Island, New York.
- 2012 – 2014 **Lab Technician | Head Field Technician.** Ecology of Bird Loss Project. Rice University. Houston, Texas.

Education and Training

- 2019-2022 Postdoctoral Research Scholar with Central Arizona-Phoenix LTER
Arizona State University, Tempe, AZ

Advisors: Kelli L. Larson, Heather L. Bateman, Susannah B. Lerman, Paige P. Warren, Sharon J. Hall, Dan Childers.

2019 - May **Ph.D.** in Ecology and Evolutionary Biology
Rutgers University, New Brunswick, NJ
Advisor: Dr. Julie L. Lockwood

2014 - May **B.S.** in Ecology and Evolution
Rice University, Houston, TX
Thesis Advisor: Dr. Haldre Rogers

Publications

Bold is Self. *Italicized authors are graduate student mentees.* Underlined are undergraduate mentees

Peer Reviewed Journals (16; metrics as of 12/08/2022)

2022 **Brown, J.A.**, Lockwood, J.L., Piana, M.R., Beardsley, C. (2022). Introduction of artificial light at night increases abundance of predators, scavengers, and parasites in arthropod communities. *iScience*, Accepted December 14th, 2022

Brown, J. A., Lerman, S. B., Basile, A. J., Bateman, H. L., Deviche, P., Warren, P. S., & Sweazea, K. L. (2022). No fry zones: How restaurant distribution and abundance influence avian communities in the Phoenix, AZ metropolitan area. *PloS one*, 17(10), e0269334.

<https://doi.org/10.1371/journal.pone.0269334>

Impact Factor: 3.75 | Citations: 0

Larson, K. L., **Brown, J. A.**, Lee, K. J., & Pearsall, H. (2022). Park equity: why subjective measures matter. *Urban Forestry & Urban Greening*, 127733. <https://doi.org/10.1016/j.ufug.2022.127733>

Impact Factor: 5.94 | Citations: 0

2021 Andrade, R., Bateman, H. L., Larson, K. L., Herzog, C., & **Brown, J. A.** (2022). To the rescue—Evaluating the social-ecological patterns for bird intakes. *Urban Ecosystems*, 25(1), 179-192.

<https://doi.org/10.1007/s11252-021-01135-1>

Impact Factor: 3.01 | Citations: 3

Bateman, H. L., **Brown, J. A.**, Larson, K. L., Andrade, R., & Hughes, B. (2021). Unwanted residential wildlife: Evaluating social-ecological patterns for snake removals. *Global Ecology and Conservation*, 27, e01601. <https://doi.org/10.1016/j.gecco.2021.e01601>

Impact Factor: 3.38 | Citations: 3

Brown, J. A., Larson, K. L., Lerman, S. B., *Cocroft, A.*, & Hall, S. J. (2021). Resident Perceptions of Mosquito Problems Are More Influenced by Landscape Factors than Mosquito

Abundance. *Sustainability*, 13(20), 11533. <https://doi.org/10.3390/su132011533>

Impact Factor: 3.89 | Citations: 3

Crystal-Ornelas, R., **Brown, J. A.**, Valentin, R. E., Beardsley, C., & Lockwood, J. L. (2021). Meta-analysis shows that overabundant deer (Cervidae) populations consistently decrease average population abundance and species richness of forest birds. *The Condor*, 123(4), duab040.

<https://doi.org/10.1093/ornithapp/duab040>

Impact Factor: 2.80 | Citations: 2

Larson, K. L., Fleeger, M., Lerman, S. B., Wheeler, M. M., Andrade, R., **Brown, J. A.**, ... & Narango, D. L. (2021). Who is abuzz about bees? Explaining residents' attitudes in Phoenix, Arizona. *Urban*

- 2020** **Blaise, G. C., Brown, J. A.,** Jordan, R. C., & Sorensen, A. E. (2020). The Impact of Forest Usage and Accessibility on the Perceptions of its Users and Surrounding Residents. *Urban Science*, 4(4), 79. <https://doi.org/10.3390/urbansci4040079>

Impact Factor: - | Citations: 0

- Brown, J. A.,** Larson, K. L., Lerman, S. B., Childers, D. L., Andrade, R., Bateman, H. L., ... & York, A. M. (2020). Influences of environmental and social factors on perceived bio-cultural services and disservices. *Frontiers in Ecology and Evolution*, 8, 569730. <https://doi.org/10.3389/fevo.2020.569730>

Impact Factor: 3.75 | Citations: 7

- Sinclair, J. S., **Brown, J. A.,** & Lockwood, J. L. (2020). Reciprocal human-natural system feedback loops within the invasion process. *NeoBiota*, 62. <https://doi.org/10.3897/neobiota.62.52664>

Impact Factor: 3.68 | Citations: 12

- Sorensen, A. E., **Brown, J.,** Alred, A., Fontaine, J. J., & Dauer, J. M. (2021). Student representations and conceptions of ecological versus social sciences in a conservation course. *Journal of Environmental Studies and Sciences*, 11(1), 139-149. <https://doi.org/10.1007/s13412-020-00594-w>

Impact Factor: 1.19 | Citations: 0

- 2019** **Brown, J. A.,** Lockwood, J. L., Avery, J. D., Curtis Burkhalter, J., Aagaard, K., & Fenn, K. H. (2019). Evaluating the long-term effectiveness of terrestrial protected areas: a 40-year look at forest bird diversity. *Biodiversity and Conservation*, 28(4), 811-826. <https://doi.org/10.1007/s10531-018-01693-5>

Impact Factor: 3.90 | Citations: 20

- 2018** Jordan, R. C., **Blaise, G., Brown, J.,** Campbell, L. K., Aronson, M. F., & Johnson, M. L. (2018). Drivers of Public Participation in Urban Restoration Stewardship Programs: Linkages Between Environmental Identity and Knowledge, and Motivations. *Arboriculture & Urban Forestry* 2018. 44 (6): 266-282 ., 44(6), 266-282. <https://doi.org/10.48044/jauf.2018.024>

Impact Factor: 1.09 | Citations: 13

Book Chapters (2)

- 2023** Larson, K.L., **Brown, J.A.,** Human Motivations and Constraints in Urban Conservation. *Urban Biodiversity and Equity: Conservation, Management, and Environmental Justice in Cities*". Oxford

- 2018** Safiq, A. D., Lockwood, J. L., & **Brown, J. A.** (2018). Homogenization of fish assemblages off the coast of Florida. In *From Biocultural Homogenization to Biocultural Conservation* (pp. 289-300).

Springer, Cham. *Data Sets (2)* https://doi.org/10.1007/978-3-319-99513-7_18

Citations: 6

Datasets (2)

- 2022** **Brown, J. A.,** Larson, K.L., 2022. Geospatial Data Associated with Phoenix Area Social Survey (2021) Respondents. *CAP LTER Data Repository Portal*

- 2021** **Brown, J.A.,** Larson, K.L., Lerman, S.B., Childers, D.L., Andrade, R., Bateman, H.L., Hall, S.J., Warren, P.S. and York, A.M., 2021. Urban Ecological Infrastructure (UEI) in the greater Phoenix, Arizona metropolitan area and surrounding Sonoran Desert Region (2010-2017). *CAP LTER Data Repository Portal*. [doi:10.6073/pasta/1e54516f04c7ef0b5c304a6f73552240](https://doi.org/10.6073/pasta/1e54516f04c7ef0b5c304a6f73552240)

Larson, K.L., *Morales Guerrero, J.*, Rosales-Chavez, J., Avilez, D., **Brown, J.A.**. Examining Human-Wildlife Interactions and the Potential for Coexistence in Urban Environments. (In Review)

Brown, J.A., JL Lockwood, K Fenn. Investigating impact of size and surrounding matrix on protected areas communities through different metrics. (In Prep).

Teaching

University Teaching

- 2022 – Present **Population Estimation, Simulation, and Analysis for Conservation Biology.**
BIO 591
Course Developer and Instructor. Arizona State University Online. Arizona State University – Tempe, Arizona
- Methods in Ecology.** *Bio 474*
Course Designer and Instructor. La Salle University. Philadelphia, Pennsylvania
- Biostatistics.** *Bio 320*
Instructor. La Salle University. Philadelphia, Pennsylvania
- Diversity, Evolution, and Ecology.** *Bio 230*
Instructor. La Salle University. Philadelphia, Pennsylvania
- Principles of Ecology.** *Bio 351*
Instructor. Rutgers University. New Brunswick, New Jersey
- 2020 – Current **Quantitative Methods for Ecology and Conservation.** *BIO 411*
Course Developer [2020] / Instructor [2020-Present]. Arizona State University Online. Arizona State University – Tempe, Arizona.
- 2017 – 2022 **Vertebrate Zoology.** *BIO 325*
Course (re) Design [2020]. Rutgers University. New Brunswick, New Jersey.
Lecturer [2020-Present]. Rutgers University. New Brunswick, New Jersey.
Lab Instructor / Head T.A. [2017-2019]. Rutgers University. New Brunswick, New Jersey
- 2019 **Introduction to Bayesian Computation**
Seminar Lead. Arizona State University. Tempe, Arizona
- 2017 – 2019 **Animal Behavior: An Evolutionary Approach.** *BIO 441*
Course Developer [2017]. Rutgers University. New Brunswick, New Jersey.
Instructor [2017-2019]. Rutgers University. New Brunswick, New Jersey.
- 2015 – 2019 **Principles of Natural Resource Management.** *BIO 217*
Teaching Assistant. Rutgers University. New Brunswick, New Jersey.
- 2016 **Ornithology.** *BIO 323*
Teaching Assistant. Rutgers University. New Brunswick, New Jersey.

- 2014 **Life of Birds. AS 121**
Co-Instructor. Rutgers University. New Brunswick, New Jersey.
- 2014 **Wildlife Ecology and Conservation Biology. BIO 464**
Teaching Assistant. Rutgers University. New Brunswick, New Jersey.

Other Teaching

- 2021 – 2022 **How Do We Measure Biodiversity: Exploring Biodiversity Metrics Using Avian Communities.**
Teaching Module Developer [2021-2022]. Science Education Research Center. Environmental Data-Driven Inquiry & Exploration (EDDIE).
- 2018 – 2019 **Wildlife Educator**
Staten Island Zoo. Staten Island, New York
- 2018 **Ecology and Biology Core Curriculum Assessor**
Teaching Contractor. Success Academy. New York, New York

Mentoring

I am passionate about working closely with students to help them achieve their professional and academic goals. Below I highlight the students/mentees, the main elements of our work together, and the skills they gained.

Luke Szyszkiewics. La Salle University Undergraduate
2022-Present. *La Salle University Undergraduate*
Undergraduate Research Advisor. → Luke's research thesis explores the relationship between income and biodiversity (the luxury-effect) and how this relationship is altered by historic legacies (redlining) and rapid onset gentrification.
Skills: Study design, GIS, Statistical Analysis in R, Scientific Writing & Presentation

Nicolas (Nick) Waltermyer*. La Salle University Undergraduate
2022-Present. *La Salle University Undergraduate*
Undergraduate Research Advisor. → Nick is pre-med student interested in vector borne diseases. Nick's research explores how community collected data can inform vector management and mismatches between the abundance of arthropod disease vectors and community data on their presence.
Skills: Study design, GIS, Statistical Analysis in R, Scientific Writing & Presentation

Nicole (Nikki) Aquino*. La Salle University Undergraduate
2022-Present. *La Salle University Undergraduate*
Research Mentor. → Nikki is currently exploring potential research ideas and topics. She currently attends weekly lab meetings with the research students in my lab and will be joining Brisa's project in the Spring of 2023.
Skills: Research Methodology, Scientific Literacy

Alicia (Lee) Thornton*. La Salle University Undergraduate
2022-Present. *La Salle University Undergraduate*
Undergraduate Research Advisor. → Lee is a pre-med student interested in how disease can spread and how environmental inequity can impact disease dynamics. Lee's research focuses on using cellular autonomy models to track disease spread across landscapes. Aaron is working in partnership with Alicia Thornton.
Skills: Statistical Analysis in R, Scientific Writing & Presentation

Thomas Filip. *La Salle University Undergraduate*

2022-Present. *La Salle University Undergraduate*

Undergraduate Research Advisor. → Tom is a double major in psychology and biology. Tom's research uses data from CAPLTER to explore how self-reported quality of life relates to the greenness of an individual's neighborhood and environment.

Skills: GIS, Statistical Analysis in R, Scientific Writing & Presentation

Aaron Haq*. *La Salle University Undergraduate*

2022-Present. *La Salle University Undergraduate*

Undergraduate Research Advisor. → Aaron is a pre-med student interested in how to model disease dynamics. His research focuses on using cellular automata models to track disease spread across landscapes. Aaron is working in partnership with Alicia Thornton.

Skills: Statistical Analysis in R, Scientific Writing & Presentation

Brisa Barrios*. *La Salle University Undergraduate*

2022-Present. *La Salle University Undergraduate*

Undergraduate Research Advisor. → Brisa's undergraduate work expands upon an incomplete meta-analysis that investigates how people in urban environments perceive wildlife.

Skills: Statistical Analysis in R, Scientific Writing & Presentation

Evan Joo*. *Rutgers University PhD Student*

2022-Present. Rutgers University PhD Student

Paper Co-Lead. → Evan was interested in learning how to analyze and frame socio-ecological work. Together, we wrote a manuscript based on survey data Evan collected while he was an undergraduate.

Skills: Scientific writing, Social Science Frameworks, Coding and Statistical Analysis in R.

Janelle Siefert. *Arizona State University Masters Student*

2020-Present. Arizona State University Undergraduate & Masters Student.

Master's Thesis Co-Advisor. → Janelle and I developed a research question assessing how individual's place identity relates to social factors as well as their surrounding environmental landscape.

Skills: Scientific writing, spatial analysis using QGIS, coding and statistical analysis in program R

Alexandreana Cocroft*. *Arizona State University Masters Student*

2020-Present. Arizona State University Masters Student.

Master's Thesis Co-Advisor → Aleigh's master's thesis utilizes camera traps to assess wildlife population and how wildlife distribution is affected by factors across residential landscapes. Together, we designed sampling protocol and developed all methodology for the project.

Skills: Scientific writing, spatial analysis using QGIS, coding and statistical analysis in R.

Zane Encinas*. *Arizona State University Undergraduate*

2020-Present. Arizona State University Undergraduate.

Research Advisor → Zane and I conducted research together utilizing iNaturalist data to better understand who engages with human-wildlife interactions and where these interactions occur. *Zane's poster presenting this work won the "Best Undergraduate Research Poster" award at the Central-Arizona Phoenix LTER All Scientists Meeting.

Skills: Scientific writing and coding / statistical analysis in R.

Akilah Davitt*. *Graduate Student – Walton Sustainability Solutions Service @ ASU*

2021-Present. Arizona State University Undergraduate.

Honor's Thesis Co-advisor → Akilah's these focused on using social media to promote conservation. I assisted with research on conservation science as well as provided feedback and help with writing the thesis.

Skills: Scientific writing and research methodology.

Daynara Avilez* *Arizona State University Undergraduate*

2021-Present. Arizona State University Undergraduate.

Research Mentor → Daynara's work utilizes the Phoenix Area Social Survey (PASS) 2017 and 2021 data. I helped Daynara with data cleaning and analysis.

Skills: Scientific communication, figure creation, and data cleaning and analysis in R.

Winner of SURE (Sustainability Undergraduate Research Experience) "Student of the Year" (2022) for our work on human-wildlife interactions

Jorge Moralis* *Energy Research Assistant – ASU School for the Future of Innovation in Society*

2021-Present. Arizona State University PhD Student.

Research Mentor → Jorge's work focuses on human health in urban areas. An element of his dissertation exams how human-wildlife interactions can impact health. I provided feedback and guidance on urban ecological systems as well as taught Jorge how to conduct statistical analysis in R.

Skills: Statistical analysis in R

Caroline Miranda. *Enrolled at the College of Veterinary Medicine – Colorado State University*

2020- 2021. Arizona State University Undergraduate.

Senior Thesis Reader → I assisted Caroline with the design of her senior thesis question and helped with data management and analysis.

Skills: Figure creation and statistical analysis in R.

Kinley Ragan. *Field Conservation Research Technician II*

2019-2020. Arizona State University Undergraduate & Masters Student

Research Mentor → I helped with analysis interpretation of results of Kinley's master's project as well as provided near-peer mentorship.

Skills: Figure creation, analysis of data using occupancy modeling

Gloria Blaise*. *PhD Candidate at Cornell University*

2016-2019. Rutgers University Undergraduate and member of RiSE Program.

Senior Thesis Advisor and Research Mentor → Served as senior thesis mentor and helped with design, implementation, and publication of senior thesis project.

Skills: Scientific writing, data analysis in program R

Caroline Beardsley. *Teacher at Hartford Public Schools*

2016- 2019. Rutgers University Undergraduate

Research Coordinator → Caroline started as a technician working on insect identification for a research project. We worked on insect identification skills as well as data entry and management protocol. Due to Caroline's interest in research, we continued to work together on additional projects and Caroline also joined the Lockwood Lab working group.

Skills: Scientific writing, data analysis in program R, identification of entomological specimen.

James Duffy. *Master of Public Administration Candidate at Princeton University*

2016. Rutgers University Undergraduate

Research Coordinator → James worked as a field technician with me during the 2016 calendar year. I helped James with bird identification skills as well as data collection (point-count methodology) and data entry and management.

Skills: Field methodology (Point counts and mist netting), data management and entry

Renee Artigues*. *Vet Assistant / Client Services Representative*

2014-2015. Rutgers University Undergraduate

Research Coordinator → Renee was interested in wildlife ecology research and shadowed me during my 2014 field season. During this time, I introduced Renee to mist-netting and bird banding technics. During the 2015 field season Renee worked as a field technician for me and independently conducted bird population assessments.

Skills: Field methodology (Point counts and mist netting), data management and entry

*Individual identifies as BIPOC

Leadership and Executive Experience

- 2022 – 2024 **Justice, Equity, Diversity, and Inclusion (JEDI) Committee Leadership**, Central Arizona-Phoenix Long Term Ecological Research Project. School of Sustainability and Innovation. Arizona State University. Tempe, Arizona
- 2022 – 2028 **Senior Personnel**, Central Arizona-Phoenix Long Term Ecological Research Project. School of Sustainability and Innovation. Arizona State University. Tempe, Arizona
- 2021 – 2026 **Assistant-Director**, Phoenix Area Social Survey. Central Arizona-Phoenix Long Term Ecological Research Project. Arizona State University. Tempe, Arizona
- 2019 – 2022 **Co-lead**, Team Belonging. School of Geographical Sciences and Urban Planning. Arizona State University. Tempe, Arizona
- 2018 – 2019 **Teaching Assistant Orientation Leader**. Rutgers School of Graduate Studies. Rutgers University. New Brunswick, New Jersey
- 2015 – 2019 **Fundraising Chair**, Ecology and Evolution Graduate Student Association. Rutgers University. New Brunswick, New Jersey
- 2016 – 2017 **Treasurer**, Ecology and Evolution Graduate Student Association. Rutgers University. New Brunswick, New Jersey
- 2012 – 2013 **Orientation Week Coordinator**, Rice University office of Student Affairs. Rice University. Houston, Texas
- 2011 – 2012, 2014 **Orientation Week Advisor**, Rice University Office of Student Affairs. Rice University. Houston, Texas
- 2012 – 2013 **Fundraising and Social Chair**. Baker College. Rice University. Houston, Texas
- 2011, 2012 – 2014 **Freshmen / Junior / Senior Class Year Representative**. Baker College. Rice University. Houston, Texas

Funding, Grants and Awards

- 2022 *Co-PI*. Bateman, H., Larson, K. L., **Brown, J. A.**, Frazee, A. CAPLTER Postdoctoral Research Fellow in Residential Landscape Dynamics [\$170,000 – Funded from NSF Grant 1832016]
- Co-PI*. Larson, K.L., M. Ehlenz, **J.A. Brown**, and K. Turner. “Advancing a Multi-Level Theory of Residential Landscape Change toward Sustainability. [\$4,086]
- 2018 *Author*: **Brown, J.A.**, Teaching Assistant/Graduate Assistant Professional Development Grant. Rutgers University. [\$743]
- 2017 *Recipient*: **Brown, J.A.**, Best Speed Talk at the Student Conference on Conservation Science- New York. Center for Biodiversity and Conservation at the American Museum of Natural History.
- Lead Author*: **Brown, J.A.**, Fenn, K., Hutcheson Memorial Forest Grant Summer Grant. Hutcheson Memorial Forest Center. [\$992]

*Lead Author: **Brown, J.A.**, and J.L. Lockwood. Teaching Assistant/Graduate Assistant Professional Development Grant. Rutgers University. [\$987]*

2016 *Recipient and Contributing Author: McIntire-Stennis Capacity Grant. USDA-NIFA. “Does setting aside forest in open space protection ensure persistence of native birds?”. PI- J. L. Lockwood. Contributor- Jeffrey Brown. [\$76,304]*

*Lead Author: **Brown, J.A.**, and J.L. Lockwood. Teaching Assistant/Graduate Assistant Professional Development Grant. Rutgers University. [\$1,304]*

*Author: **Brown, J.A.** Hutcheson Memorial Forest Grant Summer Grant. Hutcheson Memorial Forest Center. [\$2,600]*

2015 *Recipient: Smithsonian-Mason Certificate in Estimating Animal Abundance. Smithsonian-Mason Conservation Institute.*

*Lead Author: **Brown, J.A.**, and J.L. Lockwood. Teaching Assistant/Graduate Assistant Professional Development Grant. Rutgers University. [\$2,917]*

*Lead Author: **Brown, J.A.**, and J.L. Lockwood. Hutcheson Memorial Forest Summer Grant. Jeffrey Brown and Katherine Fenn. Hutcheson Memorial Forest Center. [\$2,000]*

*Author: **Brown, J.A.** Special Studies and Pre-Dissertation Grant. Jeffrey Brown and Julie Lockwood. Rutgers University. [\$1,400]*

*Recipient: H. Rogers, **J.A. Brown**, T. Harvey-Samule, R. Miller, J. HilleRisIambers, J. Tewksbury. Luis F. Bacardi Award for Advances in Tropical Conservation. Biotropica.*

Unfunded

2022 *PI – NSF Collaborative Award. **J. A. Brown**. Sustaining Oak Forests and Biodiversity in Cities with Urban and Climate-Adapted Conservation Practices [\$101,510 – Not Funded]. Collaboration with University of Delaware.*

2020 *Co-PI. K. Larson, H. Bateman, S. Lerman, **J.A. Brown**, A. Frazier, and P. Warren: Evaluating Drivers of Human Wildlife Interactions in Urban Environments. Dynamics of Integrated Socio-Environmental Systems. National Science Foundation [not funded]*

Presentations & Talks

Bold is Self. *Italicized authors are graduate student mentees. Underlined are undergraduate mentees*

Invited Talks

2022 “Ecological Dynamics in Urban Systems”. **J. A. Brown**. Kentucky Wesleyan College. 2022. Virtual.

“Urban Ecological Infrastructure’s Influence on Social-Ecological Interactions”. K. L. Larson, **J. A. Brown**, and Dan Childers. LTER All Scientist Meeting. 2022. Anaheim, CA.

“The Phoenix Area Social Survey – Implications for Socio-Ecological Investigations”. **J.A. Brown** and K.L. Larson. SEEP Conference. 2022. Tempe, AZ.

“The importance of integrated science: conservation lessons from socio-ecological synthesis”. **J.A. Brown**. James Madison University Environmental Science Seminar. 2022. Harrisonburg, VA

“How do we measure biodiversity? Exploring biodiversity metrics across an urban-rural gradient”. **J.A. Brown**. LaSalle University Biology Seminar. 2022. Philadelphia, PA

2021 “Why do we care about urban biodiversity?”. **J.A. Brown**, H Bateman. Arizona Master Naturalist Meeting. 2021. Virtual.

“Perception or Presence: investigating individuals’ perceptions of mosquitoes as a problem”. **J.A. Brown**, S Hall, S Lerman, *A Cocroft*. ASU Polytech Departmental Seminar. 2021. Mesa, Arizona

2020 Organized Oral Session: “Integrating Ecological and Social Data to Investigate Human-Nature Interactions”. **J.A. Brown**, H Bateman, S Lerman. ESA 2020. Salt Lake City, Utah (Virtual)

Organized Session Presentation: “Linking urban ecological infrastructure and perceptions of bio-cultural services and disservices”. **J.A. Brown**, K Larson, R Andrade, H Bateman, S Lerman, S Hall, P Warren. ESA 2020 (Virtual)

“How artificial light shapes arthropod communities”. **J.A. Brown**, JL Lockwood, M Piana, C Beardsley. Northeastern Natural History Conference 2020 -Conference Canceled

2018 “Evaluating the long-term effectiveness of small terrestrial protected areas: a 40-year look at forest bird diversity”. **J.A. Brown**, JL Lockwood, J Avery, JC Burkhalter, K Aagaard, and Katherine Fenn. Urbio 2018. Cape Town, South Africa

2017 “How Small is Too Small? Why the Size and Surrounding Landscape Matters when Planning Protected Spaces”. **J.A. Brown**, JL Lockwood, K Fenn. International Urban Wildlife Conference. 2017 San Diego State University

2014 “My Path to Graduate School”. **J.A. Brown**. Principles of Biology. 2014. Rutgers University.

Conferences, Posters, Workshops, and Other Talks

2023 Presentation: “Towards a More Equitable CAP LTER” **J.A. Brown** & E. Cook. CAP LTER All Scientist Meeting. Tempe, AZ.

2022 Lightning Talk: “Does Self-Reported Bird Feeding Predict Functional Diversity and Reporting of Bird Biodiversity on Community Science Platforms?”. **J.A. Brown**. SEEPs Conference. Tempe, AZ.

Poster*: “Feeling rattled: Linking attitudes and habitat features to patterns of snake occurrence in urban landscapes” *Enloe, A. M., H. L. Bateman, K. L. Larson, and J.A. Brown*. CAP LTER All Scientists Meeting. 2022. Scottsdale, AZ

*Winner of “Best Graduate Student Poster” award.

Poster: “Residents’ experiences and attitudes toward urban wildlife: Implications for human-wildlife coexistence and outcomes”. Avilez, D., K. L. Larson, *J. Morales-Guerrero*, **J.A. Brown**, A Davitt, Z Encinas, Jose-Benito Rosales Chavez, and J. Siefert. CAP LTER All Scientists Meeting. 2022. Scottsdale, AZ

Poster: “How yard management priorities and the extent of yard changes contribute to residents’ yard satisfaction”. Zhu, Q, K.L. Larson, **J.A. Brown**. CAP LTER All Scientists Meeting. 2022. Scottsdale, AZ.

Poster: “The 2021 Phoenix Area Social Survey (PASS): Overview and investigating temporal trends”. **J.A. Brown**, and K.L. Larson. CAP LTER All Scientists Meeting. 2022. Scottsdale, AZ

Poster: “Investigating the influence of sociodemographic variables on urban mammal communities”. *A Cocroft*, **J.A. Brown**, J. Lewis, S. Lerman, J. Haight, and S.J. Hall. CAP LTER All Scientists Meeting. 2022. Scottsdale, AZ

Poster: “Human-wildlife interactions: Implications for human-wildlife coexistence and human health outcomes.” *Morales-Guerrero, J*, J.B. Rosales Chavez, K. L. Larson, D. Avilez, **J.A. Brown**, A. Davitt, Z. Encinas, and J. Siefert. CAP LTER All Scientists Meeting. 2022. Scottsdale, AZ

2021 Poster: “Unwanted residential wildlife: Evaluating social-ecological patterns for snake removals”. HL Bateman, **J.A. Brown**, K.L. Larson. CAP LTER All Scientists Meeting. 2021. Virtual

Poster*: “Exploring User Preferences for Taxa via iNaturalist in the CAPLTER Study Region”. Z. Encinas, **J.A. Brown**, K. L. Larson. CAP LTER All Scientist Meeting. 2021. Virtual.

*Winner of “Best Undergraduate Poster” award.

Poster*: “Assessing the influence of income and ethnicity on wildlife in residential neighborhoods”. A *Crocroft*, **J.A. Brown**, J Haight, and SJ Hall. CAP LTER All Scientists Meeting. 2021. Virtual

*Winner of “Best Graduate Student Poster” award.

2020 Conference Session Presentation: “No fry zones: influence of restaurant abundance on avian communities”. **J.A. Brown**, A Basille, H Bateman, S Lerman, P Warren, P Deviche, K Swazea. NACCB 2020 – Virtual Talk

Conference Session Presentation: “No fry zones: influence of restaurant abundance on avian communities”. **J.A. Brown**, A Basille, H Bateman, S Lerman, P Warren, P Deviche, K Swazea. CAP LTER Seminar 2020. Arizona State University

Workshop Presentation: “Unexplored food sources: using restaurant data to understand urban wildlife distribution” **J.A. Brown**, A Basille, K Swazea. Heat, Food, Water CAP LTER Workshop 2020. Arizona State University.

Poster: “For the birds: how restaurants can shape urban avian communities”. **J.A. Brown**, A Basille, H Bateman, S Lerman, P Warren, P Deviche, K Swazea. CAP LTER All Scientists Meeting 2019. Sky Song at ASU

2019 Conference Session Presentation: “Things that go bump in the light: artificial light increases abundance of predators / parasites / detritivores”. **J.A. Brown**, JL Lockwood, M Piana, C Beardsley. ESA 2019. Louisville Convention Center.

Conference Session Presentation: “Deer browsing decreases songbird abundance: A meta-analysis”. R Crystal-Ornelas, **J.A. Brown**, C Beardsley, JL Lockwood. 2019 ESA Annual Meeting. Louisville Convention Center

Conference Session Presentation: “How do students integrate social and ecological knowledge in a socio-ecological systems class?” AE Sorensen, **J.A. Brown**, AR Alred, J Fontaine, JM Daurer. 2019 ESA Annual Meeting. Louisville Convention Center

2018 Conference Lightning Talk: “And Then There Was Light! Influence Of Novel Light Sources On Arthropods”. **J.A. Brown**, JL Lockwood, M Piana, C Beardsley. NACCB 2018. Toronto Convention Center

Poster: “Novel Light Sources Cause a Shifting Community”. Presented by C Beardsley. **J.A. Brown**, JL Lockwood, Max Piana, C Beardsley. ESA 2018. New Orleans

Conference Lighting Talk: “Homogenization of Fish Assemblages Off he Coast of Florida” A Safiq, JL Lockwood, **J.A. Brown**. NACCB 2018. Toronto Convention Center

Conference Session Presentation: “Public Participation in Urban Restoration Stewardship Programs: Linkages Between Environmental Identity And Knowledge, and Motivations”. AE Sorensen, RC

Jordan, G Blaise, **J.A. Brown**, L Campbell, MFJ Aronson, M Johnson. NACCB 2018. Toronto Convention Center

- 2017** Conference Speed Presentation*: “Loss of Songbirds in Small Urban Protected Area: A Sign of Things to Come?” **J.A. Brown**, JL Lockwood, J Avery, K Aagaard, C Burkhalter, K Fenn. SCCS 2017. American Museum of Natural History. *Winner of “Best Speed Talk”

Conference Session Presentation: “Impact of Novel Light Sources on Arthropod Communities”. C Beardsley, **J.A. Brown**, JL Lockwood. SCCS 2017. American Museum of Natural History.

Conference Session Presentation: “How Small is Too Small? The Role of Size and Surrounding Landscape on Bird Communities in an Urban Landscape”. **J.A. Brown**, JL Lockwood, K Fenn. Ecological Society of America. 2017. Portland Convention Center

Seminar: “Role of Size and Surrounding Landscape on Protected Areas”. **J.A. Brown**, JL Lockwood, and K Fenn. Rutgers Ecology Graduate Student Association. 2017. Rutgers University

Conference Session Presentation: “Influence of Novel Light Sources on Arthropod Communities”. **J.A. Brown**, J L. Lockwood, and C Beardsley. HMF Research Symposium. 2017. Rutgers University.

- 2016** Conference Session Presentation: “Bird Community Shift in a Small Protected Area”. **J.A. Brown**, JL Lockwood, J Avery, JC Burkhalter, K Aagaard, and K Fenn. Annual Rutgers, Princeton, Penn, and Columbia Meeting. 2016. University of Pennsylvania.

- 2015** Seminar: “Songbird Community Shifts at HMF”. **J.A. Brown**, JL Lockwood, J Avery, JC Burkhalter, K Aagaard, and K Fenn. Rutgers Ecology Graduate Student Association Seminar. 2015. Rutgers University.

Conference Session Presentation: “How Protective are Protected Areas?”. **J.A. Brown**. Gathering of Rutgers Earth, Environmental, and Natural Sciences. 2015. Rutgers University.

Seminar: “Brown Tree Snake’s Impact on Guam”. **J.A. Brown**. Rutgers Ecology Graduate Student Association Seminar. 2015. Rutgers University.

- 2014** Poster: “Bird Mediated Control of Spiders in the Marianas”. **J.A. Brown** and Haldre Rogers. Rice Undergraduate Research Symposium. 2014. Rice University.

Outreach Presentation: “Understanding Spider Stabilimenta”. **J.A. Brown**. Lamar High School Science Day. 2014. Lamar High School.

- 2013** Conference Session Presentation: “Benefits of Incorporating a Habitat Garden to Campus”. **J.A. Brown** and J Passman. Rice R.E.S.E.T. Grant Bids. 2013. Rice University

Poster: “Comparison of Insect Pollinators on Guam Saipan using Pan Traps”. C Roy, **J.A. Brown**, and H Rogers. Rice Undergraduate Research Symposium. 2013. Rice University

Trainings and Workshops

- 2022** **Broadening Literacies for Conservation Practice – Educator Exchange**. Network of Conservation Educators and Practitioners, American Museum of Natural History Center for Biodiversity and Conservation. Virtual. [6 hours]

Faculty Learning Community: Antiracist Pedagogy. La Salle University Faculty Affairs and Faculty Development. Philadelphia, Pennsylvania [36 hours]

DEIJ (Diversity, Equity, Inclusion, and Justice) Tool Kit for Undergraduate Mentorship. FUERTE Group at the University of California, Santa Barbara. Monterey, California. [6 hours]

Conservation Teaching and Learning Studio. Network of Conservation Educators and Practitioners, American Museum of Natural History Center for Biodiversity and Conservation. Virtual. [27 hours]

2021 Project EDDIE (Environmental Data-Driven Inquiry and Exploration) Course Development for LTERs. Science Education Research Center (SERC). Carleton College. Virtual. [40 hours]

2020 Unpacking Racism Training for White Folks. Equity Alliance. Virtual. [3 hours]

2017 Reproducible Data Analytics and Data Management. Ecological Society of America. Portland, Oregon. [9 hours]

2015 Population Estimation and Modeling. Smithsonian-Mason School of Conservation. Fort Royal, Virginia. [80 hours]

2014 Applied Leadership & Peer Leadership. Jones Graduate School of Business. Rice University. Houston, Texas. [20 hours]

2013 Leadership in Higher Education. Jones Graduate School of Business. Rice University. Houston, Texas. [20 hours]

Service

Diversity, Equity, Inclusion, and Justice:

- 2022 - Present** **Subcommittee on Assessing the Effectiveness of Diversity, Equity, and Inclusion Protocol.** Long Term Ecological Research Network. LTER Network Office
- Justice, Equity, Diversity, and Inclusion Committee.** Central Arizona-Phoenix Long Term Ecological Research Project. Arizona State University
- 2020 - 2022** **Careers in Biology Panelist.** Research Intensive Summer Experience (RISE). Rutgers University.
- 2020 - 2021** **Surviving Graduate School and Beyond – Mentor and Panelist.** Department of Ecology, Evolution, and Natural Resources. Rutgers University.
- 2019 - 2022** **CAPLTER Equity Circle Member.** Central Arizona-Phoenix Long Term Ecological Research Project. Arizona State University
- 2016 - 2019** **Aresty Seminar and Symposium Judge.** Aresty Research Center. Rutgers University

Outreach:

- 2020 – 2022** **Wildlife Management and Community Driven Science Advisor.** North Ridge Highschool Environmental Science Club. Pittsburgh, PA.

- 2019 – 2022** **Presenter – Arizona Master Naturalist Club.** Arizona Master Naturalist Club & Arizona Master Gardeners Club.
- 2016 – 2019** **Oros Nature Preserve Bird Walk Leader.** Oros Nature Preserve. New Jersey Audubon.
Hutcheson Memorial Forest Tour Guide. Rutgers University
- 2015 – 2019** **Ecology and Evolution Booth Coordinator – Rutgers Day.** Ecology, Evolution, and Natural Resources Graduate Student Association. Rutgers University
- 2012 – 2014** **Community Garden Leader.** The Garden Club of Houston. Rice University

Academic Service:

- 2022 – Present** **Greenhouse Club Faculty Advisor.** Biology Department. La Salle University
La Salle University Department of Biology Seminar Coordinator. La Salle University. Hosted Speakers: Alexa Fredston-Hermann, University of California Santa Cruz – Fall 2022; Ryan Almeida, Rutgers University – Fall 2022; Princeton Vaughn, Princeton University – Spring 2023
Undergraduate Academic Advisor. La Salle University.
- 2020– 2022** **Research Experience for Undergraduates (REU) Career’s Panelist.** CAP LTER. Arizona State University
- 2019– 2022** **Graduate Grant Reviewer. Research Experience for Undergraduates (REU) Career’s Panelist.** Central Arizona-Phoenix Long Term Ecological Research Project. Arizona State University
- Ongoing** **Reviewer:** *Environmental and Sustainability Indicators*[1], *BioScience*[1], *Ornithological Applications*[3], *Tropical Ecology*[1], *Ornithology*[2], *Landscape and Urban Planning*[6], *Urban Ecosystem*[2]s, *Sustainability*[2], *Landscape Ecology*[3], *Bird Study* [1], *Animal Behavior*[1], *PLOS One*[1], *Ecosphere*[2], *Conservation Biology*[3], *Biological Conservation*[2], *Journal of Urban Ecology*[1], *Ecological Restoration*[1], *Urban Naturalist*[1]