

CURRICULUM VITAE

Nicole Frances Angeli

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EDUCATION

2017 Ph.D. Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX.
2012 M.Sc. Sustainable Development and Conservation Biology University of Maryland,
College Park, College Park, MD.
2009 B.A. Behavioral Biology, Africana Studies, Johns Hopkins University, Baltimore, MD.

APPOINTMENT

March 2019-Present Director, Division of Fish and Wildlife, Government of Virgin Islands

- Apply principles of the North American Model of Conservation to wildlife and fisheries projects across 700+ square miles of sea and islands
- Conceptualize and manage 5 million dollars of programmatic federal grants funds annually from U.S. Fish and Wildlife Service, National Oceanic and Atmospheric Administration, Gulf States Marine Fisheries Commission, and Office of Insular Affairs
- Conceptualize and manage territorial Capitol Improvement Funds to maintain existing fish markets at La Reine, St. Croix; Frenchtown, St. Thomas and build new new fish vending sites in St. Thomas and in Cruz Bay, St. John
- Manage four boating access points (piers and ramps) with WSFR money
- Voting representative of the Government of the Virgin Islands, Caribbean Fisheries Management Council
- Voting member of St. Thomas/St. John and St. Croix Caribbean fisheries Managemnt Council's District Advisory Panels
- Chair of the Virgin Islands Governor's Aqua and Mari-culture Commission
- Engage with monthly Territorial Fisheries Advisories Committees representing fishing industry stakeholders in the St. Thomas/St. John and St. Croix Districts
- Administer 14 million dollars in public assistance funds to the fishing industry (NOAA Fishery Disaster Determination 2017; CARES Act 2020, 2021)
- Create new programming including Wildlife Operators, Recreational Fishing Licenses, Exotic Pet Amnesty Week, Early Detection and Rapid Response, Natural Heritage Artists Public Art Fund, e-Permitting, VI Wild Repatriation Program, VI Wild Community Watershed Survey, Reef Responsible Sustainable Seafood Initiative, Take Me Fishing youth program
- Draft legislation (Virgin Islands Wildlife Operators Program) and rules and regulations (Virgin Islands Recreational Fishing License Program)

- Provide 27 staff members with training opportunities including natural resources management, scientific diving, boating safety, first aid, bi-weekly journal clubs for fisheries and wildlife, spatial modeling with geographic information systems and in statistical programming for population data analysis
- Recruit, hire, and train new staff biologists, port samplers, and contractors on St. Thomas, St. Croix, and St. John (22 new staff since 2019)
- Coordinate fishery research with NOAA Southeast Science Fisheries Center's newly organized Caribbean branch
- Oversee payroll, notification of personnel actions, disciplinary actions
- Ensure safe working condition and maintenance of office buildings, vehicle fleet, and boat fleet across all islands including all OSHA-related issues
- Testify to the Legislature of the Virgin Islands on fisheries, wildlife, hurricane disaster recovery, and exotic species issues

PAST WORK HISTORY

2018 - 19 Chief of Wildlife, Division of Fish and Wildlife, Government of Virgin Islands

- Applied principles of the North American Model of Conservation for all islands of the United States Virgin Islands (40+ islands and cays)
- Conceptualized, wrote, and managed Endangered Species Act (ESA) Section 6 funds and recovery projects from congressionally apportioned funds
- Conceptualized, wrote, and managed USFWS Wildlife Restoration and Sport Fish Restoration grant programs from congressionally apportioned funds
- Reviewed all ESA clearance documents prior to Section 7 consultation process
- Performed technical guidance field site visits to assist with threatened and endangered species risks, wildlife incidents, and habitat restoration
- Communicated to stakeholders in written and verbal correspondence
- Service included continuing reviews for academic journals and the Masters of Science Committee of Jessica Nagel at University of the Virgin Islands and Mitchell Gillibrand at Florida Gulf State University

2017 – 18 Postdoctoral Fellow, Alabama Cooperative Fish and Wildlife Research Unit

- Worked under awards to Dr. Conor McGowan (United States Geological Services) from United States Fish and Wildlife Ecological Services to assess data from Species Status Assessment for Whitebark Pine and Eastern Black Rail
- Awarded USFWS Ecological Services funds to conduct Species Status Assessment for Puerto Rican Boa
- Assessed historical and current data, Endangered Species Act documents, and public reports to interpret biological trends from multiple data sources into single models
- Worked collaboratively with colleagues to create a data analysis course for the Species Status Assessment for Ecological Services office teams

- Communicated to stakeholders (government, private interest groups, researchers) in written and verbal correspondence

2016- 19 Smithsonian Affiliate, National Museum of Natural History

- Worked under Dr. Kevin de Queiroz to understand genetic and phenotypic changes associated with the conservation status of small ground lizards
- Created a Puerto Rican Bank genetic database library with DNA barcodes for all amphibians and reptiles. Created training materials for the collection of DNA samples to share with local Caribbean collaborators

2016 – 17 Dissertation Writing Fellow, Texas A&M University (Ph.D. research)

2015 – 16 Smithsonian Fellow, National Museum of Natural History (Ph.D. research)

2014 – 16 Natural Sciences Merit Fellow, Texas A&M University (Ph.D. research)

2012 – 14 NSF Applied Biodiversity Sciences Interdisciplinary Graduate Research Fellow, Texas A&M University (Ph.D. research)

2011 – 12 Agriculture Consultant, Maryland Association of Soil Conservation Districts

- Assessed nutrient best management practices for 4,100 acres on (4) farms

2011 – 11 Smithsonian Intern, Smithsonian Environmental Research Center

- Identified all plants -native, invasive, and endangered species in 4 hectares of the long-term ecological research station plots

2009 – 10 Americorps Volunteer Maryland Coordinator, Jones Falls Watershed Association

- Baltimore, MD outreach 172 events; 1800 volunteers recruited; 1,786 native trees planted in Baltimore City

2005 – 09 Woodrow Wilson Research Fellow, Johns Hopkins University

- Baltimore, MD outreach 172 events; 1800 volunteers recruited; 1,786 native trees planted in Baltimore City

2005 – 09 Bloomberg Scholar, Johns Hopkins University

- Merit-based scholarship for most tuition and board
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PEER-REVIEWED PUBLICATIONS (Selected)

1. Browne, A., and 29 co-authors. 2021. Determination of freedom-from-rabies for small Indian Mongoose in the United States Virgin Islands, 2019-2020. **PLoS Neglected**

- Tropical Diseases.** doi: 10.1371/journal.pntd.0009536.
2. Arantes, C., Castello, L., Basurto, X., **Angeli, N.**, Sene-Harper, A., and McGrath, D. 2021. Institutional effects on ecological outcomes of community-based management of fisheries in the Amazon. **Ambio.** doi: 10.1007/s13280-021-01575-1.
 3. **Angeli, N.** and Fitzgerald, L. 2021. Reintroducing species when threats still exist: suitability of contemporary landscapes for island endemic. **Oryx** 55(3): 344-351.
 4. Tucker, A., McGowan, C., Mulero, E., **Angeli, N.**, and Zagarra J. 2020. Developing a demographic projection model to support conservation decision making for an endangered snake with limited monitoring data. **Animal Conservation** doi: **10.1111/acv.12641**
 5. McGowan, C., Angeli, N., and 10 co-authors. 2020. Linking monitoring and data analysis to prediction and decisions for the range-wide eastern Black Rail status assessment. **Endangered Species Research** **43: 209-222.**
 6. **Angeli, N.**, Coles, W., McKinley, A., and Mulcahy, D. 2019. Another Caribbean introduction of an exotic constricting boa and establishment on St. Croix, U.S. Virgin Islands. **Herpetological Conservation and Biology** 14(1): 288-296.
 7. Shiels, A., Bogardus, T., Lombard, C., **Angeli, N.**, and Hopken, M. 2018. Non-trapping, non-invasive, rapid surveillance sampling using tracking tunnels, trail cameras, and eDNA to determine presence of pest predator species. **Proceedings of the Vertebrate Pest Conference.** 28(28).
 8. Angeli, N. 2018. On 'lost' indigenous etymological origins with the specific case of the name *Ameiva*. **ZooKeys** 748: 151-159.
 9. **Angeli, N.**, Lundgren, I., Pollock, C., Hillis-Starr, Z., and Fitzgerald, L. 2018. Dispersal and population state of an endangered island lizard following a conservation translocation. **Ecological Applications** 28(2): 336-347. doi: 10.1002/eap.1650.
 10. Fitzgerald, L., Walkup, D., Chyn, K., Buchholtz, E., **Angeli, N.**, and Parker, M. 2017. The future for reptiles: advances and challenges in the Anthropocene. **Encyclopedia of the Anthropocene** 3: 163-174.
 11. **Angeli, N.** 2017. The capture and release of widely foraging lizards with no neck. **Herpetological Review** 48(3): 542-544.
 12. Driscoll, A., **Angeli, N.**, Gorchov, D., Jiang, Z., Zhang, J., and Freeman C. 2016. The effect of tree fall gaps on the spatial distribution of three invasive plants in a mature upland forest in Maryland. **Journal of the Torrey Botanical Society** 143(4): 349-358.

13. Switzer, D., and **Angeli, N.** 2016. Human and non-human migration: understanding species introduction and translocation through migration ethics. **Environmental Values** 25(4): 443-463.
14. Fitzgerald, L., Treglia, M., **Angeli, N.**, Hibbitts, T., Leavitt, D., Subalusky, A., Lundgren, L., and Hillis-Starr, Z. 2015. Determinants of successful establishment and post-translocation dispersal of a new population of the critically endangered St. Croix ground lizard (*Ameiva polops*). **Restoration Ecology** 23(7): 776-786.
15. **Angeli, N.**, DiRenzo, G., Cunha, A., and Lips, K. 2015. Effects of density on spatial aggregation and habitat associations of the glassfrog, *Espadarana* (Centrolene) *prosoblepon*. **Journal of Herpetology** 49(3): 388-394.
16. Landon, A., van Riper, C., **Angeli, N.**, Fitzgerald, D., and Neam, K. 2015. Growing transdisciplinary roots in the Peruvian Amazon: reflections of an experiential learning program. **Journal for Transdisciplinary Environmental Studies** 14(1): 2-12.
17. Freeman, C., Klinczar, A., **Angeli, N.**, and Gorchov, D. 2015. The impact of treefall gaps on the species richness of invasive plants. **Journal of Young Investigators** 28(2): 1-8.
18. Wheeler, D. S., Wan, S., Miller, A., **Angeli, N.**, Adileh, B., Hu, W., and Holland, P. C. 2014. Role of lateral hypothalamus in two aspects of attention in associative learning. **European Journal of Neuroscience** 40(2): 2359-2377.

NOTES, PREPRINTS, BOOK REVIEWS, AND SPECIES ACCOUNTS

1. Joglar, R., Rodriguez, C., **Angeli, N.** 2017. *Ameiva wetmorei*. The IUCN Red List of Threatened Species 2017: e.T50009293A50009348.
2. Platenberg, R., Monson, O., Rodriguez, C., **Angeli, N.** 2016. *Ameiva exsul*. The IUCN Red List of Threatened Species 2016: e.T50009074A115402216.
3. Platenberg, R., **Angeli, N.** 2016. *Sphaerodactylus beattyi*. The IUCN Red List of Threatened Species 2016: e.T75605335A115485806.
4. **Angeli, N.** Caribbean Adventures and Experiential Education during Herpetological Surveys. 2015. Applied Biodiversity Perspectives Series. 4:9-16.
5. **Angeli, N.**, Chyn, K., Faunce, K. 2015. *Ameiva exsul* (Puerto Rican ground lizard) REPRODUCTION. Herpetological Review. 46(2): 249-250.
6. **Angeli, N.**, Otegui, J., Wood, M., Gomez-Ruiz, E. 2014. A process to support species conservation planning and climate change readiness in protected areas. PeerJ PrePrints.

e492v2.

7. **Angeli, N.** *Ameiva polops* (Saint Croix Ameiva). 2013. Conservation. Caribbean Herpetology. 45(1).
8. **Angeli, N.**, Auer, K., Schwartz, N., Westfall, Z., Pollock, C., Lundgren, I., Hillis-Starr, Z. 2013. *Ameiva polops* (St. Croix Ground Lizard) Behavior. Herpetological Review. 44(3): 504.
9. **Angeli, N.** 2013. Review of “Cyclura—Natural History, Husbandry, and Conservation of West Indian Rock Iguanas” by Jeffery M. Lemm and Allison Alberts, 2011. Elsevier Science.” Herpetological Review. 44(2): 339-340.
10. **Angeli, N.** 2013. Review of “The New Holy Wars: Economic Religion Versus Environmental Religion in Contemporary America” by Robert Nelson, The Pennsylvania State University Press, University Park, Pennsylvania, USA, ISBN: 978-0-271-03581-9. Ecological Economics. 85: 140.

BOOKS

1. **Angeli, N.**, Keats Curtis, J, and Jones, V. *The Lizard Lady*. Arbordale Publishing, Mount Pleasant, South Carolina. (Feb 10 2018). 31 pp.

PEER REVIEW (SERVICE)

Biological Invasions; Ecology and Evolution; Journal of Natural History; Journal of Herpetology; Hydrobiologia; Herpetological Review; SSAR E.E. Williams Research Grant; Smithsonian Natural History Research Experiences; Life: Excitement of Biology; Herpetological Conservation and Biology; Journal of Heredity; Conservation Evidence

RESEARCH FUNDING (1CO-PI)

2018 – Present: Manage 14.7 - 17 million dollars annually totaling 53 grants for the Division of Fish and Wildlife (state fish and wildlife agency of the U.S. Virgin Islands)

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| 2017 | U.S. Fish and Wildlife Service, Caribbean Complex. \$81,000. ¹
Species Status Assessment of Puerto Rican Boa
Co-PI Conor McGowan, AL Cooperative Fish and Wildlife Research Unit |
| 2017 | U.S. National Park Service. \$5,000.
ESA Section 7 consultation to improve habitat for <i>Ameiva polops</i> |
| 2017 | U.S. Virgin Islands Department of Planning and Natural Resources. \$33,500.
Reciprocal conservation translocations to preserve genetic integrity of spatially replicated populations of endangered <i>Ameiva polops</i> |
| 2016 | Smithsonian Global Genome Institute. \$2,993. |

- Documenting the genomic diversity of the Puerto Rican Bank
- 2016 U.S. Fish and Wildlife Service, Caribbean Complex. \$500.
Population modeling of endangered gecko *Sphaerodactylus levinsi*
- 2016 Island Conservation & USDA. \$1,600.¹
Herpetological collecting on Desecheo Island during rat eradication.
Contracted to collect three species of reptiles for USDA/APHIS study evaluating the effects of rodenticides for use in island endemic subspecies; Participated in remote field trip to Desecheo Island for 9 days to deploy aerial rodenticide using standardized testing methods
- 2015 Explorer's Club Exploration Grant. \$1,700.
Collecting widespread and endangered ground lizards in the Caribbean
- 2015 U.S. National Park Service. \$66,285.
Co-PI Ian Lundgren. PMIS 154945. Monitoring translocated endangered lizards; Created Standard Operating Protocol (87 pp.) to monitor *Ameiva polops*; Operating Budget: \$ 4,205.25.
- 2015 Texas A&M University Study Abroad. \$2,000.
Physiology of widespread and endangered lizards in the Caribbean
- 2015 Texas A&M University Wildlife and Fisheries Award. \$5,200.
Undergraduate independent research mentoring
- 2014 Animal Behavior Society. Graduate Student Research Grant. \$1,200.
Population state of an endangered lizard in the Caribbean
- 2013 U.S. Fish and Wildlife Service. \$7,500.
Green Cay National Wildlife Refuge lizard monitoring; procured Recovery Permit TE25057B-0 for St. Croix ground lizard; developed Standard Operating Protocol for St. Croix ground lizard monitoring; prepare annual reports each fiscal year for critically endangered species permits; co-led working group from 8 agencies representing 150 man hours to create recommendation document for St. Croix ground lizard recovery
- 2013 Texas A&M University. Graduate Student Research Grant. \$500.
Buck Island, U.S. Virgin Islands lizard monitoring
- 2013 Lebanon Valley College. \$2,800.¹
Arnold Undergraduate Researcher Grant.
- 2013 Texas A&M University. Applied Biodiversity Program Small Grant. \$800.¹
Undergraduate mentoring of independent research project.
- 2012 University of Maryland: Jacob Goldhaber, Howard J. Brinkley, and Conservation Biology Travel Awards. Expenses.
Travel to the 2012 World Congress of Herpetology.
- 2008 Animal Behavior Society. Turner Award.
- 2005 Johns Hopkins University. Woodrow Wilson Research Fellowship. \$10,000.

FELLOWSHIPS AND AWARDS

- 2017 Texas A&M Kunze Award for Outstanding Graduate Student, \$1,000.
- 2016 Henri Siebert Award for Best Student Talk in Conservation. \$400.
Society for the Study of Reptiles and Amphibians Annual Meeting.
- 2016 Texas A&M University Dissertation Writing Fellowship, \$61,000.
- 2016 Texas A&M Richard Baldauf Award. \$1,000.
- 2015 Smithsonian Institution Predoctoral Fellowship, National Museum of Natural History. \$27,000.
- 2014 Year of the Lizard Conservation Award. \$1,000.
Partners in Amphibian and Reptile Conservation.
- 2014 Texas A&M Merit Fellowship. \$63,000.
- 2012 National Science Foundation IGERT Fellow.
Applied Biodiversity Sciences, Texas A&M University. \$83,000.
- 2012 Kappa Kappa Gamma Foundation, Graduate Student Awards. \$3,000.
- 2012 Texas A&M Excellence Fellowship. \$7,000.
- 2009 Woodrow Wilson Science Keynote Lecture. Johns Hopkins University.
- 2005 Bloomberg Scholar '05-'09. Johns Hopkins University: ¾ tuition.
- 2005 Woodrow Wilson Fellow '05-'09. Johns Hopkins University: \$10,000.

SKILLS & CONTINUING EDUCATION (CE)

- Software: ArcGIS; QGIS; DIVA-GIS; WinBUGS
- Computer Languages: R; Python
- Laboratory: DNA preparation, extraction, and analysis - Sanger and NextGen RADseq
- CE: Quantitative Animal Movement Ecology. Zurich University. 08/2013
- CE: Occupancy Modeling. Patuxent Wildlife Research Center. 11/2013
- CE: *Encyclopedia of Life and Biodiversity Heritage Library Research Sprint*. National Evolutionary Synthesis Center. Duke University. 02/2014.
- CE: *NSF- Vertnet Biodiversity Informatics*. University of Colorado. 06/20

TEACHING

Seminars & Short Courses

Modeling for Species Status Assessments – 09/2017

Tucson, AZ. 2 day population modeling concept course developed with Alabama Cooperative Fish and Wildlife Unit for U.S. Fish and Wildlife Service

Smithsonian Institution: Peer-led Bioinformatics Seminar Series – 12/2016

Washington, D.C. 1 hour interactive lecture in spatial statistics for phylogeneticists

Texas A&M University: Open Source Science (OSS) 'R coding' - 3 credit hours

08/2015 – College Station, Texas. 13 hours of interactive lectures in computation biology to 47 students

Texas A&M University Wildlife and Fisheries Sciences 491 – 1 credit hour

01/2015-05/2015 –Developed ‘Caribbean Ecology’ seminar
St. Croix Foundation Reproducible Science Workshop for Conservation
05/07/2015 – 05/09/2015 - Christiansted, USVI.
Developed 4 hours of material for data manipulation in R, ArcGIS, and QGIS;
Participants: National Park Service; United States Fish and Wildlife Service; U.S.
Virgin Islands Department of Wildlife and Fisheries; United States Department of
Agriculture; St. Croix East End Marine Park

Graduate Teaching Assistantships

University of Maryland, College Park, USA

CONS/MBA Problem Solving (Spring 2012)

Graduate course co-sponsored by the Smith School of Business.

Provided weekly guidance for 5 teams of 4 graduate students in developing work for
Defenders of Wildlife, PriceWaterhouseCooper, USFWS, MDA

Neurophysiology, Neurobiology lab instructor (Fall 2010, 2011)

Taught two 3 hr. upper level laboratory sections for 40 students

Selected to revise 2011 Neurobiology lab manual: “Sensory Physiology: Recordings
from Cockroach Sensory Fibers.” 2011. Payne, Richard., Ed.

Facilitated 40 student-developed invertebrate experiments

Received 99% ‘Excellent’ teaching course evaluations

Mammalian Physiology (Spring 2011) 40 hours/week

Two 1 hour weekly teaching sections with 80+ students

Middle School Elective Teacher (6th – 8th grades)

Baltimore City Public School #343, 09/2008-05/2010

Taught weekly 3-hour Urban School Gardening and Nutrition for 21 to 30 students

Master Gardener, University of Maryland Extension Services

Baltimore City 09/2008-05/2010

Community garden & farming technical support for vermiculture

Developed weekly Urban School Gardening and Nutrition curriculum

RESEARCH FIELDWORK

Languages: English (fluent speaking, writing, and reading); Spanish (intermediate speaking, writing, and reading); Latin (advanced reading); French (intermediate reading, writing)

- **British Virgin Islands:** June - July 2016: Smithsonian National Museum of Natural History Research Expedition. Collecting biological field specimens (reptiles and amphibians) across 11 small islands with and without human habitation where endemic and widespread species occur. Collaborated with and led trip permitting process with the Ministry of Environment (Conservation and Fisheries Department). Procured international permits from U.S. FWS for importation of biological specimens. Captained and crewed 52’ research sailboat.
- **México:** May 2016: Smithsonian National Museum of Natural History Research Expedition. Collecting biological field specimens (reptiles) in Sinaloa, Sonora, Baja. Led trip permitting process with the Seri (Comcaac) Tribe Authority to access Isla Tiburón. Drove standard vehicle off-road.

- **U.S. Virgin Islands:** Feb – June 2013; Jan – June 2014: Doctoral dissertation research. Collected biological field specimens and conducted experiments on Puerto Rican ground lizard physiology. Monitored and studied a U.S. Endangered Species, the St. Croix ground lizard.
- **Puerto Rico:** June – Aug. 2013; June 2014 – September 2015: Doctoral dissertation research, field collection of biological specimens, and experimentally measuring physiology of > 80 Puerto Rican ground lizards and >20 Blue-tailed ground lizards
- **Peru:** May – June 2013: Participant in TAMU ‘Applied Biodiversity Sciences’ NSF-funded graduate course at sites throughout Madre de Dios, including Tambopata Research Center. Lived in a homestay with a traditional shaman to investigate human wildlife conflict.
- **Panama:** June - August 2012: 426 hours of surveys for amphibians and reptiles in montane cloud forest in El Copé, Panama. Participated in local school outreach. Drove standard vehicle off-road.
- **Ecuador:** Mini-semester Jan ’09. Johns Hopkins University. 3 weeks. ‘Tropical Ecology of Ecuador and Galápagos’
- **Tanzania:** Spring semester ’08: School for International Training, Zanzibar Tanzania. 10 weeks; Coastal and Island Ecology; 160 hrs of language instruction in Swahili
- **Australia:** Mini-semester Jan ’08: University of Newcastle, New South Wales. 4 weeks 26 research days recording acoustic calls of aggressive frogs

Other countries visited for short-term biological surveys (< 2 weeks):

Puerto Rico (bonefish); Hong Kong (newt); Dominican Republic (amphibians); Mexico (lizards); Jamaica (iguana)

ORAL PAPERS & PRESENTATIONS

Represented at professional meetings: Smithsonian Institution, Texas A&M University, University of Maryland, Johns Hopkins University, Jones Falls Watershed Association

1. Alabama Cooperative Fish and Wildlife Research Unit, Research Day, Auburn AL. 12/2017. “Modeling for Species Status Assessments”
2. BirdsCaribbean, Topes de Collantes, Cuba. 07/2017
“Species-specific effects of road restoration on birds of the U.S. Virgin Islands.”
3. Earth Optimism Summit, Smithsonian Institution. 04/2017
“Why are there no St. Croix ground lizards on St. Croix?” (*invited*)
4. Caribbean Biodiversity Congress, Santo Domingo, Dominican Republic. 01/2017
“Three methods to answer one question: why do species decline?”
5. St. Croix Environmental Association Annual Meeting Keynote Speaker. 11/2016
“Saving the native St. Croix ground lizard.” (*invited*)
6. Society for the Study of Amphibians and Reptiles, New Orleans, Louisiana. 08/2016.
“Prioritizing island landscapes: repatriation of offshore populations.”

**Best student talk winner*

7. Smithsonian Institution, Department of Vertebrate Zoology, Washington, D.C. 07/2016.
“Three methods to answer one question: why do species decline?”
8. Society for Integrative and Comparative Biology, Portland, Oregon. 01/2016.
“Heat lability in Caribbean lizards.”
9. Quinto Simposio de Herpetología, Arecibo, Puerto Rico. 10/2015.
“Persistencia para especies enfrentarse a amenazas.”
10. National Park Service Public Lecture, Christiansted, U.S. Virgin Islands. 10/2015.
“Saving the native St. Croix ground lizard.” (*invited*)
11. Caribbean Atlantic Studies Working Group, Texas A&M University. 10/2015.
“Transformation of species assemblages after intentional introductions of the Small Indian mongoose.” (*invited*)
12. Partners for Amphibian and Reptile Conservation, Santo Domingo, RD. 03/2015.
“Mecanismos de persistencia para especies amenazadas por el cambio climático y depredación.”
13. University of Puerto Rico, Mayagüez. Biology Department Seminar. 02/2015.
“Mecanismos de persistencia para especies amenazadas por el cambio climático y depredación.” (*invited*)
14. U.S. Fish and Wildlife Service, Boquerón, Puerto Rico. 01/2015.
“Mecanismos de persistencia para especies amenazadas.”
15. VIII Congreso de la Biodiversidad Caribeña, Santo Domingo, RD. 02/2014.
“Status y ocupación de una especie de lagarto en peligro de extinción en una isla pequeña.”
16. Cuarto Simposio de Herpetología Puertorriqueña. Arecibo, Puerto Rico. 10/2013.
“Status and occupancy of a critically endangered lizard on a small island.”
17. Ecological Society of America, Minneapolis, Minnesota. 08/2013.
“Effects of density on spacing patterns and habitat associations in the Neotropical Glassfrog *Espadarana prosoblepon*.”
18. National Park Service Public Lecture, Christiansted, U.S. Virgin Islands. 05/2013.
“The St. Croix ground lizard on Buck Island.” (*invited*).

19. World Congress of Herpetology 7, Vancouver, British Columbia. 08/2013.
“Prime real estate matters: effects of density on spatial distributions of a Neotropical Glassfrog.”
20. University of Maryland, Ecological Economics Speaker Series. 05/2012.
“Maryland Ecosystem Trading Markets: Modeling farmer incentives for NutrientNet participation.” (*invited*)

PROFESSIONAL AFFILIATIONS

- Association of Fish and Wildlife Agencies
- Society for Study of Amphibians and Reptiles – Conservation Committee Chair; Past Website Blogger ‘#HerpetologyHighlights’
- Partners for Amphibian and Reptile Conservation – Caribbean Steering Committee.
- Smithsonian Institute ‘Senate of Scientists’ – member
- Ecological Society of America - member

CERTIFICATIONS

- USFWS Wildlife and Sportfish Restoration Project Leaders Course: 3/2019
- U.S. Department of Interior: Unexploded Ordinance Safety Training: 03/2016
- American Sailing Association: 101 and 103 (Coastal Cruising): 06/2016
- U.S. Department of Interior: Motorboat Operator Certification Course: 08/2014
- PADI SCUBA: Open Water: 05/2013. Advanced: 05/2014. Enriched Air: 04/2014. Rescue Diver: 6/2019. Master Diver: 9/2021.
- Master Gardener, University of Maryland Extension Services: 2009 – 2012
- Wilderness First Responder: SOLO, with AHA CPR + First Aid: 2007 - 2012
- Outward Bound 10-day Environmental Educator’s Course: 08/2012

Background Investigations – Government of the Virgin Islands, adjudicated favorable 10/2018.
U.S. Department of Interior, National Agency Check with Inquiries (NACI) adjudicated favorably 10/27/2014; *Smithsonian Institution*, adjudicated favorably 08/2015.