

Adam E. Rosenblatt

Curriculum Vitae

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Education

2007-13 Ph.D., Biology. Florida International University (FIU), Miami, FL.
2002-06 B.A., Biology (Honors), History. Oberlin College, Oberlin, OH.

Academic Positions

2017-Present Assistant Professor, University of North Florida
2013-2017 Postdoctoral Associate, Yale University
2013 Dissertation Year Fellow, FIU
2007-2012 Teaching Assistant, FIU

Publications

Peer-reviewed

23. Smith-Ramesh, L.M., **Rosenblatt, A.E.**, & Schmitz, O.J. (In press) Multi-variate climate change can favor larger-bodied herbivores in a model food web. *The American Naturalist*.
22. **Rosenblatt, A.E.**, Smith, L.M., & Schmitz, O.J. (In press) Interactive effects of multiple climate change variables on food web dynamics: modeling the effects of warming, CO₂, and water availability on a tri-trophic food web. *Food Webs*.
21. Coblenz, K.E., **Rosenblatt, A.E.**, & Novak, M. (2017) The application of a Bayesian hierarchical model for quantifying individual diet specialization. *Ecology* 98:1535-1547.
20. Schmitz, O.J. & **Rosenblatt, A.E.**: The temperature dependence of predation stress. *Frontiers in Ecology & Evolution* 5:73.
19. Match, P., Ault, J., Boucek, R., Bryan, D., Gastrich, K., Harvey, C., Kiszka, J.J., Heithaus, M.R., Rehage, J.S., & **Rosenblatt, A.E.** (2017) Ecological niche partitioning within a large predator guild in a nutrient-limited estuary. *Limnology & Oceanography* 62:934-953.
18. Schmitz, O.J., Buchkowski, R.W., Smith, J.R., Telthorst, M., & **Rosenblatt, A.E.** (2017) Predator community composition is linked to soil carbon retention across a human land use gradient. *Ecology* 98:1256-1265.
17. González-Solórzano, M., Cupul-Magaña, F.G., Hernández-Hurtado, P.S., Vega-Villasante, F., Hernández-Hurtado, H., Escobedo-Galván, A.H., & **Rosenblatt, A.E.** (2016) Are American crocodiles in Mexico capable of dispersing viable seeds? *Herpetological Bulletin* 138:10-12.
16. **Rosenblatt, A.E.** & Schmitz, O.J. (2016) Climate change, nutrition, and bottom-up and top-down food web processes. *Trends in Ecology & Evolution* 31:965-975.
15. Schmitz, O.J., **Rosenblatt, A.E.**, & Smylie, M. (2016) Temperature dependence of predation stress and the nutritional ecology of a generalist herbivore. *Ecology* 97:3119-3130.

14. **Rosenblatt, A.E.**, Crowley, B.T., & Schmitz, O.J. (2016) Linking trophic interactions to plasticity in thermal sensitivity of geographically separated populations of a herbivore. *Evolutionary Ecology* 30:649-661.
13. Taylor, P., Li, F., Holland, A., Martin, M., & **Rosenblatt, A.E.** (2016) Growth rates of black caiman (*Melanosuchus niger*) in the Rupununi region of Guyana. *Amphibia-Reptilia* 37:9-14.
12. **Rosenblatt, A.E.**, Li, F., Holland, A., Taylor, P., & Kalicharan, L. (2015) *Melanosuchus niger* (Black Caiman). Diet. *Herpetological Review* 46:430.
11. **Rosenblatt, A.E.**, Nifong, J.C., Heithaus, M.R., Mazzotti, F.J., Cherkiss, M.S., Jeffery, B.M., Elsey, R.M., Decker, R.A., Silliman, B.R., Guillette Jr., L.J., Lowers, R.H., & Larson, J.C. (2015) Factors affecting individual foraging specialization and temporal diet stability across the range of a large “generalist” apex predator. *Oecologia* 178:5-16.
10. **Rosenblatt, A.E.** & Schmitz, O.J. (2014) Interactive effects of multiple climate change variables on trophic interactions: a meta-analysis. *Climate Change Responses* 1:8.
9. **Rosenblatt, A.E.**, Zona, S., Heithaus, M.R., & Mazzotti, F.J. (2014) Are seeds consumed by crocodilians viable? A test of the crocodilian saurochory hypothesis. *Southeastern Naturalist* 13:N26-N29.
8. **Rosenblatt, A.E.**, Nifong, J.C., Heithaus, M.R., Parry, M.W., & Mazzotti, F.J. (2014) New record of Everglades mink in Everglades National Park from the stomach of an American alligator. *Southeastern Naturalist* 13:N22-N25.
7. **Rosenblatt, A.E.**, Heithaus, M.R., Mazzotti, F.J., Cherkiss, M., & Jeffery, B.M. (2013) Intra-population variation in activity ranges, diel patterns, movement rates, and habitat use of American alligators in a subtropical estuary. *Estuarine, Coastal and Shelf Science* 135:182-190.
6. Platt, S.G., Elsey, R.M., Liu, H., Rainwater, T.R., Nifong, J.C., **Rosenblatt, A.E.**, Heithaus, M.R. & Mazzotti, F.J. (2013) Frugivory and seed dispersal by crocodilians: an over-looked form of saurochory? *Journal of Zoology* 291:87-99.
5. **Rosenblatt, A.E.**, Heithaus, M.R., Mather, M.E., Matich, P., Nifong, J.C., Ripple, W.J. & Silliman, B.R. (2013) The roles of large top predators in coastal ecosystems: new insights from Long-Term Ecological Research. *Oceanography* 26:156-167.
4. **Rosenblatt, A.E.** & Heithaus, M.R. (2013) Slow isotope turnover rates and low discrimination values for three tissues in the American alligator: implications for interpretation of ectotherm stable isotope data. *Physiological and Biochemical Zoology* 86:137-148.
3. Nifong, J., **Rosenblatt, A.E.**, Johnson, N., Barichivich, W., Silliman, B., & Heithaus, M. (2012) American alligator digestion rate of blue crabs and its implications for stomach contents analysis. *Copeia* 2012:419-423.
2. Layman, C., Araujo, M., Boucek, R., Hammerschlag-Peyer, C., Harrison, E., Jud, Z., Matich, P., **Rosenblatt, A.E.**, Vaudo, J., Yeager, L., Post, D. & Bearhop, S. (2012) Applying stable isotopes to examine food-web structure: an overview of analytical tools. *Biological Reviews* 87:545-562.

1. **Rosenblatt, A.E.** & Heithaus, M.R. (2011) Does variation in movement tactics and trophic interactions among American alligators create habitat linkages? *Journal of Animal Ecology* 80:786-798.

In review

2. **Rosenblatt, A.E.:** Combined warming and drought alter survival and reproduction across three trophic levels in a terrestrial food web. *Ecology*.
1. **Rosenblatt, A.E.:** Is it possible to make environmental science relevant to society at-large? *Ideas in Ecology & Evolution*.

Non-peer-reviewed contributions

10. **Rosenblatt, A.E.** (2016) Please, no more calls to “drain the swamp.” It’s an insult to swamps. Op-ed in *The Washington Post*, Dec. 29, 2016. [Link](#)
9. **Rosenblatt, A.E.** (2016) Coping with the spread of Lyme disease. Report prepared for offices of Sen. Chris Murphy, Sen. Pat Toomey, Rep. Rosa DeLauro, Rep. Elizabeth Esty, and Rep. Joe Pitts.
8. **Rosenblatt, A.E.** (2015) Effects of stormwater runoff in Connecticut. Report prepared for the Environment Committee of the Connecticut General Assembly.
7. **Rosenblatt, A.E.** (2015) The negative effects of plastics on ecosystems. Report prepared for the Environment Committee of the Connecticut General Assembly.
6. **Rosenblatt, A.E.** (2015) Pesticides in Long Island Sound and the effects of pesticides on the health of children. Report prepared for the Environment Committee of the Connecticut General Assembly.
5. **Rosenblatt, A.E.** (2015) Crocodilian stable isotope analysis. In: *Crocodilian capacity building manual* (Ross, J.P. ed.). International Union for Conservation of Nature, Crocodile Specialist Group.
4. Nifong, J.C. & **Rosenblatt, A.E.** (2015) Ecological value of crocodilians. In: *Crocodilian capacity building manual* (Ross, J.P. ed.). International Union for Conservation of Nature, Crocodile Specialist Group.
3. **Rosenblatt, A.E.** (2013) Factors influencing movements and foraging ecology of American alligators (*Alligator mississippiensis*) in a dynamic subtropical coastal ecosystem. PhD dissertation, Florida International University.
2. Dewsbury, B.M, Lowenstein, M.K., & **Rosenblatt, A.E.** (2011) Biology without borders: an integrative strategy for increasing conceptual resonance among biology majors. In: McMahon, K. (ed.) *Tested Studies for Laboratory Teaching* 32:327.
1. **Rosenblatt, A.E.** (2006) Parental risk-taking behaviors in tree swallows (*Tachycineta bicolor*). Honors thesis, Oberlin College.

Research Grants & Competitive Travel Grants

2016	Climate Science Day Travel Grant, Ecological Soc. Am.	\$700
2015	Research Grant, Yale Institute for Biospheric Studies	\$750
2015	Research Grant, Farfan & Mendes Ltd.	\$4,000
2015	Research Grant, National Geographic Soc.	\$19,178
2014-15	Research Grant, Rupununi Learners Foundation	\$10,435
2013-15	Research Grant, Yale Climate & Energy Institute	\$10,000

2012-13	Supplemental Research Grant, National Science Foundation	\$4,500
2010	Research Grant, IUCN Crocodile Specialist Group	\$1,000
2008-12	Conference Travel Grants, FIU/Am. Soc. Ich. & Herp.	\$4,350
2007-08	Field Research Grants, FIU	\$2,600

Fellowships & Awards

2016-17	Postdoctoral Fellowship, Am. Assoc. Adv. Sci.	\$95,000
2016	Best Paper Award, LA Assoc. of Professional Biologists	
2014	Best Student Presentation Award, Crocodile Specialist Group	\$300
2013-17	Postdoctoral Fellowship, Yale University	\$150,000
2013	Dissertation Year Fellowship, FIU	\$16,600
2012	Graduate Student Policy Award, Ecological Soc. Am.	\$1,000
2011	Best Student Presentation Award, Am. Soc. Ich. & Herp.	\$300
2006	Hope Hibbard Memorial Award, Oberlin College	\$500

First-authored Research Presentations (* denotes poster presentation)

Contributed presentations

2017	Joint Meeting of Ichthyologists & Herpetologists
2016	101 st Annual Meeting of the Ecological Society of America
2015	Entomological Society of America Annual Meeting
2015	100 th Annual Meeting of the Ecological Society of America
2014	23 rd Working Meeting of the IUCN Crocodile Specialist Group
2014	*Gordon Research Conference on Predator-Prey Interactions
2012	7 th World Congress of Herpetology
2011	21 st Biennial Conference of the Coastal & Estuarine Research Federation
2011	96 th Annual Meeting of the Ecological Society of America
2011	Joint Meeting of Ichthyologists & Herpetologists
2009	Joint Meeting of Ichthyologists & Herpetologists
2008	*Greater Everglades Ecosystem Restoration Conference

Invited presentations

2017	National Network for Ocean & Climate Change Interpretation
2017	New Hartford Land Trust
2017	National Geographic
2017	University of North Florida
2010	Duke University

Invited panels

2017	Biological & Ecological Sciences Coalition Congressional Visits Day
2017	International Association for Landscape Ecology Annual Meeting

Teaching & Mentoring Experience

Courses Taught

2009-12	Ecology & Evolution Reading Course, FIU
2009-11	General Biology (guest taught four lectures), FIU
2007-12	General Biology Laboratory I and II, FIU

Undergraduate Advising and Mentoring

- 2011-12 Mentor to Krop Senior High School student as part of Intel International Science and Engineering Fair (awarded 3rd place)
- 2008-16 Mentor to 16 undergraduates (14 as field and lab research assistants, two as mentees at conferences) from nine universities
- 2008-09 FIU Marine Biology Major Undergraduate Advisor
- 2008-09 FIU Marine Biology Club Advisor

Professional Service

- 2014-Present **Grant Reviewer:** Earthwatch Institute
IUCN Crocodile Specialist Group
U.S. Department of Energy
U.S. National Science Foundation
Yale Institute for Biospheric Studies

2010-Present **Manuscript Reviewer:**

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| <p>Aquatic Biology</p> <p>Biological Invasions</p> <p>Bull. Florida Mus. Nat. Hist.</p> <p>Current Opinion in Insect Science</p> <p>Current Zoology</p> <p>Ecological Entomology</p> <p>Ecological Monographs</p> <p>Ecology</p> <p>Ecology & Evolution</p> <p>Ecology Letters</p> <p>Ecosphere</p> <p>Estuaries & Coasts</p> <p>Estuarine, Coastal & Shelf Science</p> <p>Food Webs</p> <p>Functional Ecology</p> <p>Herpetologica</p> <p>Herpetological Review</p> | <p>Insects</p> <p>Journal of Animal Ecology</p> <p>J. Environ. Manag.</p> <p>Journal of Experimental Biology</p> <p>J. Exp. Mar. Bio. Ecol.</p> <p>Journal of Herpetology</p> <p>Manag. Biol. Invasions</p> <p>Marine Ecology Progress Series</p> <p>Nature Climate Change</p> <p>Oecologia</p> <p>Oikos</p> <p>PLoS ONE</p> <p>Scientific Reports</p> <p>Southeastern Naturalist</p> <p>Wildlife Society Bulletin</p> <p>Yale University Press</p> |
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- 2014 Events coordinator, Yale Climate & Energy Institute Postdoc Program
- 2010 Lead organizer, FIU Annual Biology Research Symposium
- 2010 Chair, FIU Biology Graduate Student Mentoring Committee
- 2009-10 President, FIU Biology Graduate Student Association
- 2008-12 Student Group Executive Board Member, FCE LTER
- 2008-12 FIU Biology Seminar Series speaker host: Peter Abrams, Volker Rudolf, Oswald Schmitz, Brian Silliman, John Valentine

Professional Affiliations

- 2016 IUCN SSC Crocodile Specialist Group
- 2015 Entomological Society of America
- 2015 The Science & Entertainment Exchange

2014	Climate Voices Science Speakers Network
2010	Ecological Society of America
2009	American Association for the Advancement of Science
2009	American Society of Ichthyologists & Herpetologists
2006	Sigma Xi

Outreach

2016	Scientific consultant for <i>Outrageous Acts of Science</i> television series
2016	Scientific consultant for television show about Nile crocodiles produced by Arrow Media
2016	Appeared on episode 15 of <i>The Show About Science</i> podcast Link
2016	Scientific consultant for <i>The Magic School Bus</i> television series
2016	Represented Ecological Society of America during “Climate Science Day on Capitol Hill” in Washington, DC
2015-16	Scientific consultant for government of Guyana as it developed monitoring plan for populations of spectacled caiman
2015	Featured in “Predators” episode of <i>Ocean Mysteries</i> Link
2015	Featured in the alligator episode of <i>Apex Predator</i> Link
2011-17	Presented 41 public talks on scientific topics at elementary schools, middle schools, high schools, summer camps, museums, town hall meetings, and adult education programs throughout Florida, Connecticut, DC, and Guyana
2011-12	Featured in and production assistant on “Coastal Carnivores” episode of <i>Changing Seas</i> Link
2011-12	Conducted multiple interviews for FIU’s <i>Confluence</i> series Link
2011	Featured in and production assistant on an educational video and interactive display about the Everglades for use in the Ft. Lauderdale Museum of Discovery and Science Link
2009-10	Featured in Everglades educational videos for use by Houghton-Mifflin-Harcourt as part of their Florida and national high school science curricula