

Carolyn Kovacs

Florida Sea Grant Extension Agent

University of Florida IFAS Extension, Flagler and Volusia Counties

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EDUCATION

2012 M.S. Marine Sciences, Savannah State University, Savannah, GA

2009 B.S. Biology, College of William and Mary, Williamsburg, VA

PROFESSIONAL ACTIVITIES

2022-present Florida Sea Grant Extension Agent, UF/IFAS Extension, Volusia and Flagler Counties, FL

2021 Academic Success Coordinator, Verto Education, Kalani, HI

2018-2020 Resident Lecturer in Tropical Coastal Ecology, School for Field Studies, Bocas del Toro, Panama

2015-2017 Program Manager, Seamester, International

2013-2017 Marine Sciences Instructor, Seamester, International

2012-2013 Marine Science Instructor and Technician, Savannah State University, Savannah, GA

2010-2012 National Science Foundation GK-12 Fellow, Savannah, GA

TEACHING EXPERIENCE

Winter 2021 Foundations of Tropical Marine Ecosystems (SFS 3530), SFS

2018-2020 Tropical Coastal Ecology (SFS 3790), School for Field Studies

2018-2020 Directed Research (SFS 4910), School for Field Studies

2015-2017 Introduction to Oceanography (OCE 1001), Sea|Mester

2013-2017 Introduction to Marine Biology (OCB 1000), Sea|Mester,

2013 Introduction to Marine Biology (MSCI 1501), Savannah State University

2012 Human Biology (BIOL 1104), Savannah State University,

2012 Editor for Technical Writing (MSCI 3901/5401), Savannah State University

CERTIFICATIONS

Waterfront Lifeguard, including CPR/AED and First Aid (American Red Cross)

Divemaster (PADI)

L2 Kayak Instructor (American Canoe Association)

PEER-REVIEWED PUBLICATIONS

- Kovacs, C.J.**, Perrtree, R.M. & Cox, T.C. (2017). Social differentiation in common bottlenose dolphins (*Tursiops truncatus*) that engage in human-related foraging behaviors. *PLOS ONE* 12(2): e0170151.
- Perrtree, R.M, **Kovacs, C.J.** & Cox, T.C. (2014). Standardization and application of metrics to quantify human-interaction behaviors by the bottlenose dolphin (*Tursiops* spp.). *Marine Mammal Science* 30(4):1320-1334.
- Kovacs, C.J.** & Cox, T.C. (2014). Quantification of interactions between common bottlenose dolphins (*Tursiops truncatus*) and a commercial shrimp trawler. *Aquatic Mammals* 40(1): 81-94.
- Kovacs, C.J.**, Curran, M.C., & Cox, T.C. (2013). Where's that dolphin? Using sightings of bottlenose dolphins to study spatial patterns. *The Science Teacher* 80(9): 24-29.
- Kovacs, C.J.**, Curran, M.C., & Cox, T.C. (2013). Using mathematics to conduct social analyses of bottlenose dolphins in the classroom. *Science Scope*: 36(8): 52-60.
- Kovacs, C.J.**, Daskin, J.H., Patterson, H., & Carmichael, R.H. (2010). *Crassostrea virginica* shells record local variation in wastewater inputs to a coastal estuary. *Aquatic Biology* 9:77-84.
- Carmichael, R.H. & **Kovacs, C.J.** (2010). Comment on Watanabe *et al.* (2009). *Marine Pollution Bulletin* 60: 314-315.

INVITED PRESENTATIONS

- Kovacs, C.** Coral reef ecology and human impacts on the marine environment. (2019). CARES (Conservation Animal Rescue and Eco Studies) Project. Bocas del Toro, Panamá.
- Scott, C. & **Kovacs, C.** Investigaciones de ciencias marinas en el Centro para Estudios de la Biodiversidad de las Islas Tropicales. (2019). Universidad de Panamá, Changuinola, Panamá.

SCIENTIFIC PRESENTATIONS

- Kovacs, C.**, Perrtree, R., & Cox, T. (2013). Social differentiation in common bottlenose Dolphins (*Tursiops truncatus*) that engage in human interaction behaviors near Savannah, GA. Southeast and Mid-Atlantic Marine Mammal Symposium. University of North Florida, FL.
- Kovacs, C.**, & Cox, T. (2012). Rate of interactions between bottlenose dolphins and shrimp trawlers varies with trawler activity. Southeast and Mid-Atlantic Marine Mammal Symposium. Nova Southeastern University, FL,
- Kovacs, C.**, Perrtree, R., & Cox, T. (2011). Interactions between bottlenose dolphins (*Tursiops truncatus*) and shrimp trawlers in Savannah, Georgia. (2011). Southeast and Mid Atlantic Marine Mammal Symposium. Coastal Carolina University, SC.
- Kovacs, C.**, Perrtree, R., & Cox, T. (2011). Are common bottlenose dolphin (*Tursiops*

truncatus) interactions with shrimp trawlers resulting in social segregation in Savannah, Georgia? Biennial Conference for the Society of Marine Mammalogy. Tampa, FL (Poster).

SELECTED CO-AUTHORED PRESENTATIONS

Using marine mammal research as a way to engage K-12 students in the sciences. (2106). Southeastern Estuarine Research Society (SEERS), Beaufort, SC. (C. Curran, oral presentation).

Integration of social analyses and habitat utilization by common bottlenose dolphins (*Tursiops truncatus*). (2015). Biennial Conference for the Society of Marine Mammalogy. San Francisco, CA. (T. Cox, oral presentation).

Outreach success versus social learning: Changes in human-interaction behaviors by Common bottlenose dolphins (*Tursiops truncatus*). (2015). Biennial Conference for the Society of Marine Mammalogy. San Francisco, CA. (R. Perrtree, poster).

From charismatic megafauna to parasites: incorporating scientific research into K12 activities. (2014). Southeastern Estuarine Research Society (SEERS), Coastal Georgia Center, GA, South East Estuarine Research (C. Curran, oral presentation).

Nitrogen in bivalve shell & soft tissues: Implications for N sequestration and cycling in coastal waters. (2103). Goldschmidt2013. Florence, Italy. (R. Carmichael, oral presentation).

From charismatic megafauna to parasites: incorporating scientific research into K12 activities. (2103). Coastal and Estuarine Research Federation. San Diego, CA. (C. Curran, oral presentation).

Begging behavior of the common bottlenose dolphin (*Tursiops truncatus*) in waters around Savannah, Georgia. (2012). Association for the Sciences of Limnology and Oceanography. Salt Lake City, UT. (R. Riley, poster).

Spatial variation in the predominant behavior of common bottlenose dolphins (*Tursiops truncatus*) in the estuaries of Savannah, GA. (2011). Biennial Conference for the Society of Marine Mammalogy. Tampa, FL. (A. Reyes, poster).

COMMUNITY PUBLICATIONS

What is Coral Bleaching? (2021). *The Bocas Breeze*. Bocas del Toro, Panama.

Marine Ecology of Bocas del Toro: A Manual for Tour Guides. (In translation for publication by the Autoridad de Turismo de Panama). Contributing chapters: Ecological history of Bocas; Mangroves; Seagrasses and algae; Corals; Common fish species; and Invertebrates.

La Vida Marina de Bocas del Toro. (2020). Educational marine life coloring book created for the community of Bocas del Toro, Panama.

Guía de corales de Bocas del Toro. (2020). Coral identification guide.