

WANDA M. ORTIZ BÁEZ

Guánica, Puerto Rico
wanda.ortiz.baez@gmail.com
+1 (787) 205-4732

EDUCATION

August 2009 - May 2016 B.S. Industrial Microbiology, University of Puerto Rico at Mayagüez
August 2009 - May 2016 B.S. Biology, University of Puerto Rico at Mayagüez
May 2023 - M.Sc. in Biological Oceanography, University of Puerto Rico at Mayagüez

LANGUAGES

Spanish (first language); English (fluent)

RELEVANT COURSES

Biological Oceanography	Chemical Oceanography	Ichthyology	Marine Molecular Biology
Biology	Ecology	Oceanography	Physical Oceanography
Biology of Sharks	Ecology of Microorganisms	Marine Ecology	Zoology
Biochemistry	Geological Oceanography	Marine Microbiology	Zoology of Invertebrates

EXPERIENCE & SKILLS

Acoustic receiver assemblage and set up
Boat helmsman (certified by the US Coast Guard and Department of Natural and Environmental Resources of Puerto Rico)
Laboratory experience and techniques
Longline and block rig assemblage and set up
Marine education
PADI Open Water Diver
Plankton collection techniques
Reef fish ID for underwater surveys
Science communication (Spanish & English)
Shark field research experience and techniques
Shark fishing (catch & release), tagging, measuring, sample collection & handling
Shark necropsy techniques
Small boat navigation
Stacking photography (basic)
Writing & public speaking (Spanish & English)

COMPUTER SKILLS

Proficient in Mac & PC platforms
Proficient in Microsoft Office (Excel, OneNote, PowerPoint & Word)
Basic knowledge in CPe
Basic knowledge in Wix platform for blog & website editing
Some knowledge in Primer 6, R Studio, CIPRES & Mesquite software

WANDA M. ORTIZ BÁEZ

Guánica, Puerto Rico
wanda.ortiz.baez@gmail.com
+1 (787) 205-4732

WORK EXPERIENCE

- August 2020 - Present Educator of the Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro & Delmis Alicea
- June 2021 - June 2022 Independent contractor (Baited Remote Underwater Videos Technician) of HJR Reefscaping | Employed by Héctor Ruiz
- August 2020 - December 2021 Laboratory instructor of Microbial Ecology at the Biology Department of the University of Puerto Rico at Mayagüez, PR | Supervised by Bárbara Sánchez
- August 2019 - December 2020 Laboratory instructor of Biology I & II at the Biology Department of the University of Puerto Rico at Mayagüez, PR | Supervised by Jeanine Vélez
- August 2016 - July 2020 Copy editor & writer of ocean fact sheet series *Datos Marinos* at Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro
- August - December 2016 Laboratory instructor of Biology I at the Biology Department of the University of Puerto Rico at Mayagüez, PR | Supervised by Jeanine Vélez
- June - October 2015 Temporary information specialist of Resource Center at Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro
- May - July 2015 Marine educator substitute for workshop about sands at Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro
- January 2015 Copy editor of book glossary *Aves Marinas de Puerto Rico* at Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro
- February - March 2015 Lecturer for Secchi Disk app use at Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro
- January 2014 - May 2015 Writer of Flickr album description *Artes de la pesca*, articles for environmental magazine *Marejada*, thematic guide on seashells & brochure *Conchas Marinas de Puerto Rico* at Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro
- August 2013 - May 2017 Assistant for outreach activities of Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro
- August 2013 - May 2017 Assistant to the Resource Center's information specialist and the marine educators at Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Employed by Ruperto Chaparro

ACADEMIC EXPERIENCE

- August 2020 - May 2021 Historian of Student Association of Marine Sciences (AECiMa) of the University of Puerto Rico at Mayagüez, PR | Association moderated by Juan J. Cruz Motta

WANDA M. ORTIZ BÁEZ

Guánica, Puerto Rico
wanda.ortiz.baez@gmail.com
+1 (787) 205-4732

- October 2018 Participant of NOAA cruise collecting and processing HAB cysts samples collected from the Gulf of Maine aboard the NOAA Ship Nancy Foster. NOAA National Centers for Coastal Ocean Science, Silver Springs, MD | Supervised by Teresa McTigue, Christine Alex, Bruce Keafer
- August 2016 - Present Active member of Student Association of Marine Sciences (AECiMa) of the University of Puerto Rico at Mayagüez, PR | Association moderated by Juan J. Cruz Motta
- May 2018 Auditing student of *Biology of Sharks* course & laboratory offered at Bimini Biological Field Station in Bimini, The Bahamas & at Coastal Carolina University in South Carolina, U.S. | Course + laboratory offered & supervised by Daniel Abel, Dean Grubbs & Samuel Gruber
- January 2014 - May 2014 Directive treasurer of the Society for Advancement of Chicanos/Hispanic and Native Americans in Science (SACNAS) - UPRM Chapter at Mayagüez, PR | Work supervised by Héctor Esparra, Nayda Santiago & Fernando Gilbes
- August - December 2013 Research assistant at the Laboratory of Aquatic Biology of the Biology Department of the University of Puerto Rico at Mayagüez, PR | Supervised by Carlos J. Santos Flores & Nahira Arocho
- August 2012 - December 2013 Active member of the Society for Advancement of Chicanos/Hispanic and Native Americans in Science (SACNAS) - UPRM Chapter at Mayagüez, PR | Work supervised by Héctor Esparra, Nayda Santiago & Fernando Gilbes

RESEARCH EXPERIENCE

- November - December 2021 Assisting on ongoing research projects for the Bimini Biological Field Station
- August 2018 - May 2023 M.Sc. thesis project: Development of Educational Resources About the Shark Species (Infraclass: Selachii) of Puerto Rico As A Gateway to Inform the Local Public
- January 2013 - May 2015 Sampling, sorting and classification of marine gastropods & bivalves for comparison with specimens collected from 1940s until 1990s

EXTRACURRICULAR AND VOLUNTEER WORK

- June 2021 Assisting and nurse shark tagging volunteer for Shark Watch 2021 project (2021-IC-038) | Supervised by Héctor Ruiz and Michelle Schärer
- February 2021 Volunteer participant learning how to mount histopathological slides for analysis of elasmobranch gonads | Supervised by Noemí Peña from the Fisheries Research Laboratory of the DNER of Puerto Rico
- September 2020 - Present Co-founder and president of Little Women, Big Sharks educating the general public about the sharks and rays of Puerto Rico
- 2018 - Present Volunteer of the MM Program from the DNER of Puerto Rico performing necropsies on sharks found stranded at shore around Puerto Rico in order to determine cause of death and further contribute to available biological knowledge of the different species found. Assist in necropsies of marine mammals | Supervised by Grisel Rodríguez Ferrer.

WANDA M. ORTIZ BÁEZ

Guánica, Puerto Rico
wanda.ortiz.baez@gmail.com
+1 (787) 205-4732

- February 2018 - Present Volunteer diver of *Artdi* app testing for reef fish ID at Isla Magueyes Research Station in Lajas, PR | Supervised by Isla Mar Research Expeditions
- May 2017 Underwater surveyor of reef fish at Ensenada Honda refuge of US Fish & Wildlife Service jurisdiction at Vieques, PR | Supervised by Richard Appledoorn
- August - December 2012 Volunteer as printing assistant, assistant to the marine educators & the Resource Center's information specialist at Sea Grant College Program of the University of Puerto Rico at Mayagüez, PR | Supervised by Alessandra Otero, Cristina Olán Martínez & Delmis Alicea
- August - December 2013 Research assistant at the Laboratory of Aquatic Biology of the Biology Department of the University of Puerto Rico at Mayagüez, PR | Supervised by Carlos J. Santos Flores & Nahira Arocho
- January - May 2013 Community service volunteer at Collores district's library at Juana Díaz, PR | Supervised by Luisa Seijo, Lourdes Muñoz & Carlos Ríos

AWARDS & ACHIEVEMENTS

- August 2021 MISS fellowship for internship program at Bimini Biological Field Station
- Match 2020 1st prize for full scholarship to attend Field School course *Introduction to Shark Research Skills*
- April 2018 Professional development grant from Sea Grant College Program of the University of Puerto Rico at Mayagüez
- May 2015 Second place achievement from the Biology Department of the University of Puerto Rico at Mayagüez for science-themed artwork on canvas (acrylic painting)

PUBLISHED EDUCATIONAL & ACADEMIC WORK

Ortiz Báez, W. M. (2023). Development of Educational Resources About the Shark Species (Infraclass: Selachii) Of Puerto Rico As A Gateway to Inform the Local Public. Published manuscript. *Department of Marine Sciences, University of Puerto Rico at Mayagüez.*

Ortiz Báez, W. M., Santiago, V., Meléndez, M., González González, M., Olán Martínez, C. Ruiz, M. (Eds.). (2018). Dato Marino 1: Aprenda a filetear pescado (Rev. ed.). *Sea Grant College Program UPRM.*

Ortiz Báez, W. M., Santiago, V., Meléndez, M., González González, M., Olán Martínez, C., Ruiz, M., Cruz Franceschi, W. (Eds.). (2018). Ocean Fact 1: Learn How to Fillet a Fish (Rev. ed.). *Sea Grant College Program UPRM.*

Ortiz Báez, W. M., Santiago, V., Meléndez, M., Schärer Umpierre, M. T., González González, M., Olán Martínez, C. (Eds.). (2018). Dato Marino 2: Selección de pescados y mariscos (Rev. ed.). *Sea Grant College Program UPRM.*

WANDA M. ORTIZ BÁEZ

Guánica, Puerto Rico
wanda.ortiz.baez@gmail.com
+1 (787) 205-4732

Ortiz Báez, W. M., Santiago, V., Meléndez, M., Schärer Umpierre, M. T., González González, M., Olán Martínez, C., Cruz Franceschi, W. (Eds.). (2018). Ocean Fact 2: Selecting Seafood (Rev. ed.). *Sea Grant College Program UPRM*.

Ortiz Báez, W. M., Santiago, V., Meléndez, M., González González, M., Olán Martínez, C. (Eds.). (2018). Dato Marino 3: Almacenaje de pescados y mariscos (Rev. ed.). *Sea Grant College Program UPRM*.

Ortiz Báez, W. M., Santiago, V., Meléndez, M., González González, M., Olán Martínez, C., Cruz Franceschi, W. (Eds.). (2018). Ocean Fact 3: Seafood Storage (Rev. ed.). *Sea Grant College Program UPRM*.

Ortiz Báez, W. M. (2015). Áreas Marinas Protegidas: Una alternativa para el manejo de nuestros recursos marinos y costeros. *Marejada: Edición Estudiantes I*, 13 (1), 24 - 32.

Ortiz Báez, W. M. (2014). Reserva Marina Isla Desecheo. *Marejada*, 11 (1), 24 - 39.

Otero, A., **Ortiz Báez, W.** (2014). Conchas marinas de Puerto Rico. *Sea Grant College Program*.

COLLABORATION

Rodríguez Castro, J. H., Olmeda de la Fuente, S. E., **Ortiz Báez, W. M.**, Correa Sandoval, A., Ramírez de León, J. A. (2020). Estimation of the Maximum Sustainable Yield and the Optimal Fishing Effort of the Blue Crab (*Callinectes sapidus*, Rathbun 1896) of Laguna Madre, Tamaulipas, Mexico. *Intech Open*. DOI: 10.5772/intechopen.90065

IN-PRESS WORKS

Alicea, D., Ferrá, A., Santiago, D., Martínez, H., **Ortiz, W.**, Ramos, K. (in press). Marine Debris: Educational Guide for Teachers. *Sea Grant College Program UPRM*.

Ortiz Báez, W. M. (in press). Sharks of Puerto Rico. *Sea Grant College Program UPRM*.