

**ANDRÉS G. MORALES-NÚÑEZ, Ph.D.**  
*CURRICULUM VITAE*

Postdoctoral Research Associate  
Department of Natural Sciences  
Paul S. Sarbanes Coastal Ecology Center (PSSCEC)  
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***RESEARCH INTERESTS***

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My research interests are focused in taxonomy, higher level systematics, biodiversity, ecology, and distribution of marine and estuarine benthic invertebrates in temperate (Maryland Coastal Bays (MCBs) and Mid-Atlantic Region) and tropical waters (e.g. Colombia, Puerto Rico, Bermuda, Gulf of Mexico (GoM), Hawaii, and Moorea Island (French Polynesia)), particularly peracarid crustaceans (e.g. Tanaidacea, Amphipoda, Isopoda, Mysida, and Cumacea), ostracods, copepods (Harpacticoida), and polychaetes

***EDUCATION***

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- June 2011      Ph.D. Biological Oceanography. Department of Marine Sciences. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA. Dissertation entitled: *Tanaidaceans (Crustacea: Peracarida) from coastal waters of La Parguera and Culebra Island, Puerto Rico, with taxonomic observations*. Advisors: Dr. Jorge R. García and Co-advisor: Dr. Mónica Alfaro Lozano.
- June 2006      Master of Science in Biology. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA. Thesis entitled: *Temporal and Spatial Characterization of Tropical Macroinfauna Benthic around Cages Submerged for the Culture of Fish in the Open Sea*. Advisor: Dr. Monica Alfaro Lozano. [In Spanish]
- June 2002      Bachelor in Sciences in Marine Biology. Universidad de Bogotá Jorge Tadeo Lozano. Bogotá, Colombia. Thesis entitled: *Caracterización Espacial en la Época Seca de la Taxocenosis Annelida–Crustácea–Mollusca Asociada a Fondos Blandos Someros Vegetados del Costado Nororiental de la Isla de San Andrés, Colombia*. Advisors: Dr. Néstor E. Ardila and Martha Inés García.

***LANGUAGES***      Spanish (fluent) and English (reading-advance; conversing-intermediate; and writing-intermediate)

***EMPLOYMENT***

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Aug 2011–present      Postdoctoral Research Associate. Department of Natural Sciences. Project title: Center of Research Excellence in Science and Technology–Center for the Integrated Study of Coastal Ecosystem Processes and Dynamics in the Mid-Atlantic Region (CREST-CISCEP). Reporting to Dr. Paulinus Chigbu. University of Maryland Eastern Shore (UMES), Princess Anne, Maryland–USA.

- May–Jul 2011 Research Technician. Department of Wildlife and Fisheries, Puerto Rico Field Station. Mississippi State University (MSU), Puerto Rico–USA.
- Nov–Dec 2010 Research Assistant. Department of Biology. Project title: Dissection of ostracods (Crustacea) and illustration of diagnostic structures. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- Sep–2010 Research Assistant. Department of Agroenvironmental Sciences. Project title: Ecological significance of an aquatic invasive species (*C. fluminea*) on cyanobacteria and their associated toxins in tropical reservoirs. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- Sep/09–Jan/11 Marine Educator. Puerto Rico Sea Grant College Program (PRSGCP). Project title: Coastal Community Development. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- Aug–2009 Research Assistant. Department of Agroenvironmental Sciences. Project title: Development of numeric nutrient criteria rivers. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2007–2010 Research Assistant. Faculty of Arts and Sciences. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2006–2010 Marine Educator. Department of Marine Sciences. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2002–2004 Research Assistant. Department of Marine Science. Project title: Environmental of sustainable offshore cage culture production in Puerto Rico. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- Jan–Jul 2002 Teaching Assistant. Faculty of Marine Biology. Universidad de Bogotá Jorge Tadeo Lozano. Bogotá, Colombia.
- Feb–May 2002 Research Assistant. Project entitled: Caracterización Metabólica y Definición de Estrategias de Restauración Ecológica del Humedal de Córdoba. Bogotá, Colombia.
- 1999–2000 Research Assistant. Project entitled: Estrategias de ingestión de *Eucalanus* spp. (copépoda: calanoidea) en dos ambientes oceanográficos del Caribe central colombiano. Universidad de Bogotá Jorge Tadeo Lozano. Santa Marta, Colombia.
- 1999–2000 Under-graduate Researcher in Marine Biology. Project title: Marine habitat mapping development in San Andres Archipelago, Colombia. Darwin Initiative for the Survival of Species. Department for Environment, Food & Rural Affairs. Heriot Watt University, Scotland. Corporación para el Desarrollo Sostenible del Archipiélago de San Andrés Providencia y Santa Catalina (CORALINA). San Andrés, Colombia.
- Jan–Jul 1997 Teaching Assistant. Faculty of Marine Biology. Universidad de Bogotá Jorge Tadeo Lozano. Bogotá, Colombia.

### TEACHING EXPERIENCE

- University of Maryland Eastern Shore (UMES), Princess Anne–USA.
- July–2014 Lecture, laboratory, and field trip entitled: Benthic Marine Macroinvertebrates in Maryland Coastal Bays (MCBs). Paul S. Sarbanes Coastal Ecology Center (PSSCEC), Berlin–USA. Program entitled: A Network of Cooperative Science Centers for Training High School Students in Geosciences.
- July–2013 Lecture and laboratory entitled: Benthic Marine Macroinvertebrates in Maryland Coastal Bays (MCBs). Program entitled: A Network of Cooperative Science Centers for Training High School Students in Geosciences.
- July–2013 Lecture, laboratory, and field trip entitled: Benthic Marine Macroinvertebrates in Maryland Coastal Bays (MCBs). Paul S. Sarbanes Coastal Ecology Center (PSSCEC), Berlin–USA. Program entitled: Research Experience for Undergraduates (REU) in Marine & Estuarine Science Summer.

Mar–2012            Lecture entitled: Annelids and Arthropods. Marine Zoology Laboratory (Biol 201L).

University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.

2006–Jan 2011    Instructor. AFAMaC Proposal (Alianza para el Fortalecimiento Del Aprendizaje de las Matemáticas y Ciencias). Proposal dedicated to educate and improve middle school teacher’s knowledge in mathematics and science. Presentations and demonstration in the classroom and workshops in the field in different topics of Marine Biology and biodiversity.

2004–2008        Teaching Assistant at Department of Chemistry: General Chemistry I and II.

2002–2009        Teaching Assistant at Department of Biology: Introduction to Biological Sciences I and II, Zoology, and Marine Ecosystem of Puerto Rico.

Universidad de Bogotá Jorge Tadeo Lozano. Bogotá, Colombia.

2002                Teaching Assistant. Faculty of Marine Biology: Marine Invertebrates I and II, Histology, and Botany.

1997                Teaching Assistant. Faculty of Marine Biology: Marine Invertebrates I and II, Embryology, Genetic, Histology, Marine Vertebrates, and Cell Biology.

## **TRAINING**

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Gulf Coast Research Laboratory. The University of Southern Mississippi (USM). Ocean Springs, Mississippi–USA.

2013                Training in taxonomy and identification of Amphipoda (genera and species). Adviser Dr. Richard W. Heard. Department of Coastal Sciences, Marine Invertebrate Zoology and Ecology.

2010                Training in taxonomy and identification of Tanaidacea (genera and species). Adviser Dr. Richard W. Heard. Department of Coastal Sciences, Marine Invertebrate Zoology and Ecology.

2008                Training in taxonomy and identification of Tanaidacea (genera and species). Adviser Dr. Richard W. Heard. Department of Coastal Sciences, Marine Invertebrate Zoology and Ecology.

Smithsonian Institution National Museum of Natural History (NMNH). Washington, D.C–USA.

2006                Training in taxonomy and identification of Ostracoda (genera and species). Adviser Dr. Louis S. Kornicker. Department of Invertebrate Zoology.

Laboratorio de Ecología Costera del Instituto de Ciencias del Mar y Limnología. Universidad Nacional Autónoma de México (UNAM). México D.F.

2004                Training in taxonomy and identification of Polychaeta (genera and species). Adviser Dr. Alejandro Granados-Barba.

Universidad Veracruzana (UV). Veracruz, México.

2004                Training in taxonomy and identification of Polychaeta (genera and species). Adviser Dr. Alejandro Granados-Barba.

## **JOURNALS REFEREED**

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Caribbean Journal of Science (CJS), New Zealand Journal of Zoology, Deep Sea Research Part II, Journal of the Marine Biological Association of the United Kingdom (JMBA), Zootaxa, Marine Biodiversity (MB), Cashier of Biologie Journal (CBJ), and European Journal of Taxonomy (EJT)

## REFeree OF SCIENTIFIC PROPOSALS

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Puerto Rico Sea Grant College Program (Puerto Rico), and National Science Centre (Poland).

## UNDER GRADUATE STUDENT ADVISOR

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- Summer 2015 Sedona Dorsett. University of Maryland Eastern Shore (UMES), Princess Anne–USA. Program entitled: Research Experience for Undergraduates (REU) in Marine & Estuarine Science Summer (June 2–August 8).
- Summer 2012 Carleanna Jordan. University of Maryland Eastern Shore (UMES), Princess Anne–USA. Program entitled: Research Experience for Undergraduates (REU) in Marine & Estuarine Science Summer (June 3–August 10).
- Jan/10-May/11 Nahira, Arocho Hernández. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA. Training in sorting, illustration, taxonomy and identification of benthic marine macroinvertebrates from coastal waters of Puerto Rico.
- Aug/09–May/11 Alexandra Marie Galindo-Estronza. University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA. Training in sorting, illustration, taxonomy and identification of benthic marine macroinvertebrates from coastal waters of Puerto Rico.
- 2009–2010 Luisa F. Bobadilla Ortiz. Universidad de Bogotá Jorge Tadeo Lozano. Bogotá, Colombia. Thesis entitled: Standardization and Characters of Taxonomic Importance of Type Specie of Genus *Munida* Leach, 1820 and Re-description of Nine Species in Tropical Western Atlantic (TWA). [In Spanish]

## PUBLICATIONS

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### 2016

- Morales-Núñez A.G.**, Pelleteri, S.T., and Heard R.W. (2016) Two new paratanaid Tanaidacea (Crustacea: Malacostraca: Peracarida) from the Hawaiian Islands, with illustrated taxonomic keys. *Zootaxa*, 4150(4): 467–492.  
<http://doi.org/10.11646/zootaxa.4150.4.5>
- Morales-Núñez A.G.**, and Chigbu, P. (2016) Life history of *Dulichchiella appendiculata* (Say, 1818) (Crustacea: Amphipoda: Senticaudata: Melitidae) in Maryland Coastal Bays, USA. *Aquatic Biology*, 25: 75–82.  
[doi: 10.3354/ab00659](https://doi.org/10.3354/ab00659)
- Morales-Núñez A.G.**, and Chigbu, P. (2016) A new species of *Apolochus* (Crustacea, Amphipoda, Gammaridea, Amphilochidae) in Maryland Coastal Bays, USA, mid-Atlantic region, with notes on its abundance and distribution. *ZooKeys*, 571: 81–104.  
<http://dx.doi.org/10.3897/zookeys.571.7440>
- Morales-Núñez A.G.**, Larsen, K., and Cooke, W.J. (2016) *Oahutanais makalii*, a new genus and species of colletteid tanaidacean (Crustacea: Peracarida) from shelf-waters off Hawaii, with a taxonomic key. *Zoosystematics and Evolution*, 92(1): 1–12.  
<http://dx.doi.org/10.3897/zse.92.5581>
- Morales-Núñez A.G.**, and Chigbu, P. (*Submitted*) Abundance, distribution, and species composition of amphipods associated with macroalgae from shallow waters in Maryland Coastal Bays (MCBs), USA. *Marine Biodiversity*, XX–XX.
- Morales-Núñez A.G.**, Morales-Ruiz, C., and Ardila, N. (*Submitted*) First record of the family Sphyrapodidae Guțu, 1980 with the description of a new species of *Sphyrapus* from the Colombian Caribbean. *PeerJ*, XXXX–XX.

## 2015

**Morales-Núñez A.G.**, and Heard, R.W. (2015) *Paratanais waltsikorai*, a new tanaidacean (Crustacea: Peracarida: Tanaidomorpha: Paratanaidae) from Bermuda. *Bulletin of the Peabody Museum of Natural History*, 56(2): 255–268.

<http://dx.doi.org/10.3374/014.056.0205>

**Morales-Núñez A.G.**, and Heard, R.W. (2015) *Cacoheterotanais rogerbamberi*, a new genus and species of leptocheiliid Tanaidacea (Crustacea: Peracarida) from shelf-waters of the Gulf of Mexico. *Zootaxa*, 3995(1): 169–188.

<http://dx.doi.org/10.11646/zootaxa.3995.1.16>

## 2014

**Morales-Núñez, A.G.**, and Heard, R.W. (2014) A new species of *Paratanais* Dana, 1852 (Crustacea: Peracarida: Tanaidacea: Paratanaidae) from Puerto Rico, northwestern Atlantic. *ZooKeys*, 397: 49–70.

<http://doi:10.3897/zookeys.397.6137>

## 2013

**Morales-Núñez, A.G.**, and Heard, R.W. (2013) *Ogleus pilarae*, a new genus and species of leptocheiliid tanaidacean (Crustacea: Peracarida: Tanaidomorpha) from the tropical Northwest Atlantic with observations on the genus *Pseudonototanais* Lang, 1973. *Zootaxa*, 3737: 454–472.

<http://dx.doi.org/10.11646/zootaxa.3737.4.7>

**Morales-Núñez, A.G.**, Heard, R.W., and Alfaro, M. (2013) A new species of *Pseudoleptocheilia* Lang, 1973 (Crustacea: Peracarida: Tanaidacea: Leptocheiliidae) from the Northwest Atlantic with observations on the status of the genus. *Zootaxa*, 3664: 259–282.

<http://dx.doi.org/10.11646/zootaxa.3664.2.8>

## 2011

Heard, R.W., and **Morales-Núñez A.G.** (2011) *Akanthoparapseudes alfarvae*, a new genus and new species of apseudomorphan tanaidacean (Crustacea: Malacostraca: Peracarida) from Puerto Rican coastal waters. *Zootaxa*, 3111: 49–63.

## 2010

Drumm, D.T., and **Morales-Núñez A.G.** (2010) A new species of *Mesokalliapseudes* Lang, 1956 (Crustacea: Tanaidacea: Kalliapseudidae) from Puerto Rico, with remarks on the genus. *Zootaxa*, 2687: 45–55.

**Morales-Núñez, A.G.**, Heard, R.W., and Alfaro, M. (2010) *Saltipedis (Spinosalripedis) puertoricensis*, a new subgenus and species of apseudomorphan (Crustacea: Tanaidacea: Parapseudidae) from coastal waters off Culebra Island, Puerto Rico, with keys and taxonomic observations. *Zootaxa*, 2578: 25–46.

## 2007

**Morales-Núñez, A.G.**, and Kornicker, L.S. (2007) A new species of the genus *Diasterope* Kornicker, 1975 (Ostracoda) from the vicinity of Culebra Island, Puerto Rico. *Proceedings of the Biological Society of Washington*, 120(3): 271–278.

[http://dx.doi.org/10.2988/0006-324x\(2007\)120\[271:ansotg\]2.0.co;2](http://dx.doi.org/10.2988/0006-324x(2007)120[271:ansotg]2.0.co;2)

## 2005

**Morales-Núñez, A.G.**, and Alfaro, M. (2005) Temporal and Spatial Characterization of Tropical Benthic Macroinfauna Around Cages Submerged for the Culture of Fish in the Open Sea. *Proceedings of Gulf and Caribbean Fisheries Institute*, 58: 173–178

## BOOKS

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Alfaro, M., and **Morales-Núñez, A.G.**, (2008) Principios Básicos de Ecología. Alianza Para el Fortalecimiento en el Aprendizaje de las Matemáticas y Ciencias (AFAMaC). Puerto Rico Department of Education. University of Puerto Rico, Mayagüez-Campus. 58 pp.

## AWARDS, FELLOWSHIPS & GRANTS

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- 2016 Center for Research Excellence in Science & Technology (CREST): Center for the Integrated Study of Coastal Ecosystem Processes and Dynamics in the mid-Atlantic Region. Funding Agency: National Sciences Foundation (NSF). Co-PI.
- 2006–2007 Mentor, NSF Alliances for Graduate Education and the Professoriate (AGEP), University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2006 Smithsonian Institute Fellowship Program. Smithsonian Institution Short-Term Visitor at the National Museum of Natural History (NMNH) Washington D.C., United States of America.
- 2005–2006 Mentee, NSF Alliances for Graduate Education and the Professoriate (AGEP), University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2004 Seed Money. Project title “Preliminary evaluation of the environmental impact (water and sediments) of an ocean cage culture operation with spiny lobster (*Panulirus argus* Latreille, 1804) in Rincon, Puerto Rico”. Puerto Rico Sea Grant College Program, University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.

## CONFERENCE & INVITED TALKS

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- 2014 **Morales-Núñez, A.G.**, and Chigbu, P. “First record of the genus *Apolochus* Hoover & Bousfield, 2001 (Crustacea: Amphipoda: Amphilochidae) in Maryland Coastal Bays, Mid-Atlantic Region, USA. National Oceanic and Atmospheric Administration (NOAA), Educational Partnership Program (EPP), 7<sup>th</sup> Biennial Education and Sciences Forum. Princess Anne, Maryland–USA.
- 2014 **Morales-Núñez, A.G.**, and Chigbu, P. “Abundance, Species Composition, and Distribution of Amphipods in Relation to Macroalgae in Maryland Coastal Lagoons”. Atlantic Estuarine Research Society (AERS). Ocean City, Maryland–USA.
- 2014 **Morales-Núñez, A.G.**, and Chigbu, P. “Amphipoda (Crustacea) in Maryland Coastal Bays: abundance, species composition, and distribution in relation to macroalgae”. ASLO Ocean Sciences Meeting. Honolulu, Hawaii–USA.
- 2011 **Morales-Núñez, A.G.** Seminar presentation: “Biodiversity of Marine Invertebrates in Culebra Island and La Parguera, Puerto Rico: with Descriptions of New Genus, Sub-Genus and species”. Department of Natural Sciences, University of Maryland Eastern Shore (UMES), Princess Anne, Maryland–USA.
- 2011 Arocho Hernandez, N., **Morales-Núñez, A.G.**, and Alfaro, M. “Ecological Diversity of Tanaidaceans at Isla de Pájaros, Norte de Palo and Margarita keys of La Parguera, Puerto Rico, and New Locality Record of *Tanapseudes gutui* Hansknecht, Heard and Bamber, 2002”. 31st Puerto Rico Interdisciplinary Scientific Meeting (PRISM 2011), and 46th ACS Junior Technical Meeting. Inter American University of Puerto Rico-Bayamón Campus, Puerto Rico–USA.
- 2009 **Morales-Núñez, A.G.** Seminar presentation: “Taxonomic Contributions of the benthic marine biodiversity of Puerto Rico”. Department of Biology, University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.

- 2005 **Morales-Núñez, A.G.**, and Alfaro, M., “Temporal and spatial characterization of tropical benthic macroinfauna around cages submerged for the culture of fish in the open sea”. 58th Annual Meeting, Gulf Caribbean Fisheries Institute, San Andrés Island, Colombia.
- 2004 Alfaro, M., **Morales-Núñez, A. G.**, Cabarcas-Núñez, A., and Alston, D. “Effect of two-open water submerged cages stocked with Cobia *Rachycentron canadum* and red snapper *Lutjanis analis* on the benthic macroinvertebrate population at Culebra, Puerto Rico”. World Aquaculture Society Annual Conference, Honolulu, Hawaii–USA.
- 2003 **Morales-Núñez, A.G.**, Alfaro-Lozano, M., Alston, D.E., and Cabarcas-Núñez, A. “Preliminary effects of open cages on benthic macroinvertebrates populations, Culebra Island, Puerto Rico”. X Congreso Latinoamericano de Ciencias Del Mar (COLACMAR), San José, Costa Rica.
- 2003 Cabarcas-Núñez, A., Alston, D.E. Rapp, P., Capella, J. Mejia, N., **Morales-Núñez, A. G.**, Mendez, M., Carbery, K., and Benetti, D.D. “Environmental monitoring of two SeaStation cages stocked with cobia and mutton snapper off Culebra island, Puerto Rico”. World Aquaculture Society Annual Conference, Salvador, Bahia, Brazil.
- 2001 Garcia, M.I., and **Morales-Núñez, A.G.** IX Congreso Latinoamericano de Ciencias Del Mar (COLACMAR), San Andrés Isla, Colombia.

## **POSTERS**

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- 2016 National Oceanic and Atmospheric Administration (NOAA), Educational Partnership Program (EPP), 8th Biennial Education and Sciences Forum. The City College of New York, New York–USA.
- 2016 ASLO Ocean Sciences Meeting. New Orleans, Louisiana–USA.
- 2015 Annual Biomedical Research Conference for Minority Students (ABRCMS). Seattle, Washington–USA.
- 2015 23<sup>rd</sup> Biennial Conference – Coastal and Estuarine Research Federation (CERF). Portland, Oregon–USA.
- 2015 XVI Congreso Latinoamericano de Ciencias del Mar – Colacmar y XVI Seminario Nacional de Ciencias y Tecnologías del Mar (SENALMAR). Santa Marta, Colombia.
- 2015 ASLO Aquatic Sciences Meeting. Granada, Spain.
- 2013 ASLO Aquatic Sciences Meeting. New Orleans, Louisiana–USA.
- 2012 41st Benthic Ecological Meeting (BEM). Norfolk, Virginia–USA.
- 2011 ASLO Aquatic Sciences Meeting. San Juan, Puerto Rico–USA.
- 2010 XV Sigma Xi Poster Day, University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2007 9th International Polychaete Conference, Portland, Maine–USA.
- 2005 X Sigma Xi Poster Day, University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2005 1<sup>st</sup> Annual Symposium for Coastal and Marine Applied Research, University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2004 57 Proceedings of the Fifty Seventh Annual Gulf and Caribbean Fisheries Institute. St. Petersburg, Florida–USA.
- 2004 IX Sigma Xi Poster Day, University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.
- 2003 VIII Sigma Xi Poster Day, University of Puerto Rico, Mayagüez Campus, Puerto Rico–USA.

## *SEMINARS & WORKSHOPS*

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- 2014 PRIMER-E workshop. September 15–19, 2014. Weedon Island Preserve Visitors' Center. St. Petersburg, Florida–USA.
- 2012 Florida Association of Benthologists. Fall 2012 Taxonomic Workshop. Polychaetes. November 27–30, 2012. University of Tampa Marine Science Center Tampa, Florida–USA.
- 2012 COSEE-WEST (Center for Ocean Science Education Excellence) Online Workshop. Ocean X Factor: Life beneath the Deep. February 27 to March 16, 2012. <http://www.coexploration.org/>
- 2011 COSEE-WEST (Center for Ocean Science Education Excellence) Online Workshop. Ocean observing systems: from your eyes to satellites. October 13 to November 18. <http://www.coexploration.org/>
- 2011 COSEE-WEST (Center for Ocean Science Education Excellence) Online Workshop. Tiny but Toxic! Harmful algal blooms: The science, technology, and you! March 21–25. <http://www.coexploration.org/>
- 2010 COSEE-WEST (Center for Ocean Science Education Excellence) Online Workshop. Coral Reef: Moorea, French Polynesia. April 12 – 30. <http://www.coexploration.org/>
- 2009 COSEE-WEST (Center for Ocean Science Education Excellence) Online Workshop. Ocean Observing Systems, October 23 to November 13. <http://www.coexploration.org/>
- 2009 COSEE-WEST (Center for Ocean Science Education Excellence) Online Workshop. Marine Protected Areas and the Marine Life Protection Act, March 14–April 3. <http://www.coexploration.org/>
- 2008 Florida Association of Benthologists. Fall 2007 Taxonomic Workshop. Non-amphipod Pericardid Crustaceans. October 22–24, 2008. University of Tampa Marine Science Center Tampa, Florida–USA.
- 2007 National Geographic Oceans for Life Virtual Teacher Workshop: ¿Empty Oceans? April 16–28. <http://www.coexploration.org/ngs/EarthDay/>
- 2007 COSEE-WEST (Center for Ocean Science Education Excellence) Online Workshop. International Polar Year, April 15–28. [http://www.coexploration.org/cosee\\_west/ipy/](http://www.coexploration.org/cosee_west/ipy/)
- 2006 Classroom Exploration of the Oceans 2006.A NOAA Office of Ocean Exploration and National Geographic Oceans for Life. Virtual Teacher Workshop Series II. November 6–17. <http://www.coexploration.org/ceo2006>
- 2006 Classroom Exploration of the Oceans 2006.A NOAA Office of Ocean Exploration and National Geographic Oceans for Life. Virtual Teacher Workshop Series I. October 9–20. <http://www.coexploration.org/ceo2006>
- 2005 I Annual Symposium for Coastal and Marine Applied Research. Sea Grant College Program, University of Puerto Rico, Mayagüez Campus, September 2. Puerto Rico–USA.
- 2005 Recent Research on the Snapperfarm Offshore Cage Culture Facility off Culebra, Puerto Rico. University of Puerto Rico, Mayagüez Campus, June 30. Puerto Rico–USA.
- 2000 Taller de Insectos Como Bioindicadores de Calidad de Agua. XIV Congreso Nacional y IV Latinoamericano de Estudiantes de Ciencias Biológicas. Asociación Nacional de Estudiantes en Ciencias Biológicas. Universidad Del Magdalena. Santa Marta, D.T.C.H. Septiembre 25–29. Colombia.
- 2000 XIV Congreso Nacional y IV Latinoamericano de Estudiantes de Ciencias Biológicas. Asociación Nacional de Estudiantes en Ciencias Biológicas. Universidad Del Magdalena. Santa Marta, D.T.C.H. Septiembre 25–29. Colombia.



- 1997 IV Simposio Colombiano de Ictiología. Santa Marta, D.T.C.H. Agosto 7–10. Colombia.
- 1992 VIII Seminario Nacional de las Ciencias y las Tecnologías del Mar y Congreso Centroamericano y del Caribe en Ciencias del Mar. Santa Marta, D.T.C.H. Octubre 26–30. Colombia.

### *COLLECTION VISITED*

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United States National Museum of Natural History (USNM), DC–USA; The Bernice Pauahi Bishop Museum (BPBM), HI–USA.

### *MEMBERSHIPS*

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- 2012–present The Florida Association of Benthologists (FAB).
- 2012–present Association of Latin America Carcinologists (ALCARCINUS).
- 2010–present Association for the Sciences of Limnology and Oceanography (ASLO).
- 2008–present The Crustacean Society (TCS).
- 2007–present Biological Society of Washington (BSW).
- 2001–present Asociación Latinoamérica de Investigadores en Ciencias del Mar (ALICMAR).

### *CERTIFICATES*

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- 2006 Enriched Air Diving (PADI).
- 2004 Advance open waters diver (PADI).
- 2003 U.S. Coast Guard Auxiliary Boating Skills and Seamanship Course.
- 1999 Scuba Diver (NAUI).