

# Zlatka M Rebolledo Sánchez

## Education

- August 2021 - present **Ecological Sciences Ph.D. student**, *Old Dominion University (ODU)*, Norfolk, VA, USA.  
The Coastal Plant and Ecotone Ecology Lab. PI **Dr. Erik Yando**
- March, 2020 **Licenciatura en Biología (Bachelor of Science in Biology)**, *Universidad Simón Bolívar*, Sartenejas, Venezuela.  
5 year study plan. **B.Sc. Tesis: Patterns of spatial variation in the abundance of corals in early stage in Venezuelan reefs**, PI **Dr. Aldo Cróquer** Experimental Ecology Laboratory

## Experience

### Work Experience

- Summer 2022 **Graduate Research Assistant**, *Old Dominion University*, The Coastal Plant and Ecotone Ecology Lab.
- Fall 2021 - Present **Graduate Teaching Assistant**, *Old Dominion University*, Lab Instructor.  
- Botany (BIOL308). Fall 2021/2022 - General Biology Laboratory I (BIOL122N). Spring 2022/2023
- Jan 2020 - Jan 2022 **Director General / Research and Conservation Director**, NGO "*La Tierra Se Calienta*", Caracas, Venezuela.  
Project management / work with vulnerable communities <https://latierrasecalienta.org/>
- Feb 2020 - Aug 2021 **Chief Technology Officer**, *Green Bulk LLC*, Miami, USA / Barcelona, Spain / CCS, Vzla.  
e-Commerce specialist team <https://greenbulk.us/>
- Jan-March 2020 **Water Sports Plastic Free Foundation**, *Developed content for educational workshops about sustainability*, Almería, Spain / CCS, Vzla, <https://watersportsplasticfree.org/>.
- Jun 2019 - March 2020 **Copywriter**, *OVACEN / Nautical News Today*, Almería, Spain/CCS, Vzla.  
<https://www.nauticalnewstoday.com/> / <https://ecosistemas.ovacen.com/>
- 2016- March 2020 **Research Assistant**, *Experimental Ecology Lab USB*, Field trips and scuba diving.  
Data visualization and analysis. Analysis of benthic photoquadrats. Fish stomachal content analysis.
- May 2017- Feb 2019 **Research Director**, *Civil Association for the Conservation of Venezuelan Biodiversity (ConBiVe)*, Caracas.  
Platform for citizen participation for sustainable development. Work with vulnerable communities
- 2017 **Teaching Assistant**, *Physics Demonstrations Lab USB*, Presentation of experiments covering phenomena and physical situations related to the subjects of courses.
- 2016 **Teaching Assistant**, *Organismal Biology Laboratory II USB*, Biology of invertebrates. Laboratory and field work.
- 2016 **Research Assistant**, *Biochemistry Lab USB*, Assistant in biochemistry lab.
- 2016 **Museum Curation Internship**, *La Salle Natural History Museum*, Curation techniques.
- 2012-2018 **EcoTour Guide**, *Topotepuy Ecological Garden*, Caracas, Venezuela, Tours in Spanish and English about ecological gardens. Customer service, group management and work with children.

### Memberships

- o Society of Wetland Scientists Since August 2022.
- o Ecological Society of Venezuela (Sociedad Venezolana de Ecología) Since Nov 2019.
- o World Commission on Protected Areas - International Union for Conservation of Nature Since Aug 2019.

### Skills

- o Image analysis: - Photoquad: Proficient. Geographic Information System: -ArcGIS: Proficient. - Google Earth Engine: Intermediate.
- o Statistics / Programming languages: - Primer.v6+PERMANOVA: Proficient. -R: Intermediate. -LaTeX: Intermediate.

### Courses

- ODU **Modeling and Simulations in Life Sciences**, *Holly Gaff*, Fall, 2022.  
**Geospatial Data Analysis**, *Tom Allen*, Fall, 2022.  
**Principles of Plant Ecology**, *Taylor Sloey*, Spring, 2022.  
**Biometry**, *Eric Walters*, Spring, 2022.  
**Foundations in Ecology**, *Eric Walters*, Spring, 2022.  
**Plant Physiology**, *Taylor Sloey*, Fall, 2021.  
**GIS in Life Sciences**, *Holly Gaff*, Fall, 2021.
- ESRI **Getting started with ArcGIS Pro**, September 9, 2021.  
**ArcGIS Online Basics**, September 9, 2021.
- Scuba Dive **SSI Diver Stress and Rescue**, Chichiriviche de la Costa - Caracas, In training.  
**SNSI Advanced Open Water Diver**, Chichiriviche de la Costa - Caracas.  
5 specialties: Buoyancy, Underwater Navigation, Deep Navigation (39m), Diving from Boat and Night Diving

**SSI Open Water Diver (ID 1317557)**, Chichiriviche de la Costa - Caracas.

DataCamp **Introduction to R**, 15274228, 31, July 2020.

UCV **Aquatic Ecology**, *Ernesto González*, Caracas, Venezuela, Central University of Venezuela.

USB **Fundamentals of Geographic Information Systems**, *Carlos González*, Caracas, Venezuela.

**Global Ocean Observing System (GOOS)**, *Patricia Miloslavich*, Caracas, Venezuela.

**Protected Natural Areas**, *Edgar Yerena*, Caracas, Venezuela.

Museum **Field Techniques for Land Fauna Inventories**, *Herrera, Ferrer, Cañizales, Malavé, Roos and Cabrera*, Maripa, Venezuela, Fundación La Salle de Ciencias Naturales.

GrupoMantra **Entrepreneurship program: Reto Mantra**, *Ottneyver Cadenas*. (*Profranquicias*), Venezuelan franchise chamber.

### Languages

Spanish: **Native**.

English: **TOEFL iBT scores: Total 96**, (*Reading 24, Listening 29, Speaking 22, Writing 21*).

German: **German I**, *Universidad Simon Bolivar*.

## Publications

### Peer review

- Luis M. Montilla, Emy Miyazawa, Alejandra Verde, Esteban Agudo-Adriani, Alfredo Ascanio, José Cappelletto, María López-Hernández, Gloria Mariño-Briceño, Stephanie Martínez, Zlatka Rebolledo-Sánchez, Andreína Rivera, Daniela S. Mancilla, Aldo Cróquer (2021). A photographic data set of reef and coral communities across Venezuela. *Data in Brief*. Volume 37, 107235, ISSN 2352-3409, <https://doi.org/10.1016/j.dib.2021.107235>
- Montilla, L. M., Miyazawa, E., Ascanio, A., López-Hernández, M., Mariño-Briceño, G., Rebolledo-Sánchez, Z., Rivera, A., Mancilla, D., Cróquer, A. (2020). The use of pseudo-multivariate standard error to improve the sampling design of coral monitoring programs. *PeerJ*. <https://peerj.com/articles/8429/>. 39th Association of Marine Laboratories in the Caribbean Meeting PeerJ Collection

### Preprint

- Montilla, L. M., Miyazawa, E., Ascanio, A., López-Hernández, M., Mariño-Briceño, G., Rebolledo, Z., Rivera, A., Mancilla, D., Cróquer, A. (2019). Transects, quadrats, or points? What is the best combination to get a precise estimation of a coral community? *BioRxiv*, 1–8. <https://doi.org/10.1101/832790>

### Articles to submit

- Rebolledo-Sánchez, Z., Montilla, L. M., Miyazawa, E., Ascanio, A., Rivera, A., Cróquer, A. (2022) Partitioning spatial variation of juvenile corals, from few centimeters to kilometers: a case study from Venezuela. To be submitted.
- Verde, A., López-Hernández, M., Montilla, L. M., Miyazawa, E., Ascanio, A., Rebolledo, Z., Martínez, S., Mariño-Briceño, G., Mancilla, D., Cróquer, A. (2022) Are MPAs in Venezuela making a difference protecting benthic and fish communities? / Coral health index in Venezuelan reefs: A health assessment using the reef health index with complementary variables. *Frontiers in Marine Science*.

## Events (Conferences and meetings)

### Conference paper presentations

- Sept 2022 **Hampton Roads Datathon: Analyzing, Promoting and Protecting Biodiversity**, *CivicLabNorfolk - The City of Norfolk*, 3rd Place, Wetlands and Protected Areas in Hampton Roads. Storymap <https://arcg.is/0fLmyy>.
- Nov 18 to 21, 2019 **XI Venezuelan Ecology Congress**, *Caracas*, Organizing committee: Local chair and conference session chairs.  
Oral presentation: Rebolledo, Zlatka, Montilla, Luis M, Miyazawa, Emy, & Cróquer, Aldo. (2019). Patrones de variación espacial en la abundancia de corales juveniles, de pocos centímetros a kilómetros: Caso de estudio en el Oriente de Venezuela. *Zenodo*. <http://doi.org/10.5281/zenodo.3237048>
- May 2019 **39th scientific meeting of the Association of Marine Laboratories of the Caribbean**, *Punta Cana, Dominican Republic*.  
Oral presentation: Rebolledo-Sánchez, Zlatka, & Cróquer, Aldo. (2019). Partitioning Spatial Variation of Juvenile Corals, from Few Centimeters to Kilometers: A Case Study from Mochima National Park, Venezuela. *Zenodo*. <http://doi.org/10.5281/zenodo.3237050>
- Conference-poster: Montilla, L. M., Ascanio, A., López-Hernández, M., Mariño-Briceño, G., Miyazawa, E., Rebolledo, Z., Rivera, A., Sánchez, D., Verde A., Cróquer, A. (2019). Transects, quadrats, or points? What is the best combination to get a precise estimation of a coral community?. *Zenodo*. <http://doi.org/10.5281/zenodo.3233879>

### Conferences attended

- Apr 2022 **Biology Graduate Student Organization Symposium**, *Old Dominion University*, Norfolk, VA.
- Nov 2019 **XI Venezuelan Ecology Congress**, *Caracas*, Organizing committee: Local chair and conference session chairs.
- Sept 2019 **VI Colsubsidio Sustainability Forum. Our Commitment to Life.**, *Bogotá, Colombia*.
- May 2019 **39th scientific meeting Association of Marine Laboratories of the Caribbean**, *Punta Cana, DR*.
- Dec 2018 **International Union for Conservation of Nature (IUCN) Regional Meeting**, *Caracas, Venezuela*.
- Jun-Jul 2017 **Educational Workshops on Lion Fish *Pterois volitans***, *Ocumare de la Costa de Oro, Aragua, Venezuela*, Speaker.
- Nov 2015 **Workshop on Conservation of threatened corals and their habitat in Los Roques NP**, *USB*, Assistant.
- Nov 2015 **XI Venezuelan Ecology Congress**, *Porlamar, Nueva Esparta, Venezuela*.

- May 2015 **XXI Venezuelan Botany Congress**, *Jardín Botánico de Caracas, Venezuela.*
- March 2014 **IV Lion Fish Fishing Competition-Submarinist Center**, *Chichiriviche de la Costa, Venezuela, Organizing committee.*
- May 2013 **IV Venezuelan Congress of Biological Diversity**, *Falcón, Venezuela.*

## Projects

- Seascape spatial variability of carbon dynamics in coastal salt marshes in Virginia. The Coastal Plant and Ecotone Ecology Lab at Old Dominion University. 2021-2025.
- Environmental and Social Base Line Study associated to: The Gas Fields Exploration Project Coast Outside Patao and Mejillones N PY30101951. Experimental Ecology Lab and Center of Marine and Toxicological Studies. 2019 - 2020. Analysis of mega-fauna.
- Vava'u Ocean Initiative. Waitt Institute - Experimental Ecology Lab. 2017. Analysis of benthic cover.
- Habitat map of the Lionfish (*Pterois volitans*, Pteroinae: Scorpaenidae) in Isla de Aves, Venezuela, a project developed by the Marine Biology Laboratory and the Submarinist Center of the Simón Bolívar University. 2017-2018.
- Coral reefs in Venezuela: **Rapid Ocean Conservation Grant (funded by Waitt Foundation)**. Experimental Ecology Laboratory. Describe key variables that define coral reef health across the Venezuelan Coast and Oceanic Islands. Update the health status of coral reef ecosystems in Venezuela at various spatial scales; from transects to geographical regions. 2017-2018.
- Diet and trophic webs of demersal fishes associated with the Orinoco River Delta marine-estuarine zone. Experimental Ecology Lab - INTECMAR. 2016-2018. Stomach content analysis.

## Awards

- Sept 2022 **Hampton Roads Datathon. Project Theme: Analyzing, Promoting and Protecting Biodiversity**, *CivicLab-Norfolk - The City of Norfolk*, 3rd Place, \$60. Wetlands and Protected Areas in Hampton Roads.
- 2022 - 2023 **Graduate School General Scholarship**, *Old Dominion University*, \$949.00.
- Spring, 2022 **Virginia Association of Wetland Professionals Spring 2022 Student Research Scholarship**, *Virginia Association of Wetland Professionals*, \$500.00.
- Spring, 2022 **Paul W. Kirk, Jr. Wetlands Biology Research Awards**, *Kirk Wetlands Research Program*, \$2,000.00.
- April, 2019 **Association of Marine Laboratories of the Caribbean Travel Award**, *Punta Cana, Dominican Republic*, \$280.00. AMLC Travel Award for travel to participate in the scientific meeting and present my oral presentation.
- Nov 21, 2018 **Recognition for University Student Day. Mayor of the Municipality of El Hatillo**, *El Hatillo, Miranda, Venezuela.*
- March 2017 **Award for Outstanding Work as a Student Center to the Biology Student Center**, *USB*, President.
- 2009-2013 **Honor Roll. Academic recognition every year**, *Colegio Americano*, High school and middle school.
- 2011-2013 **National Championships of the Bolivarian Federation of Kenpo Karate.**  
Awards received during 4 national championships in forms, self defense techniques and combat
- 2006 **Excellence Award, Fundación Excelsior**, Student Recognition/Encouragement Act.  
Award the 10 best students in education centers in municipalities of Baruta, Chacao and El Hatillo

## Extracurricular activities

### Student Governance and Clubs

- 2022-present **International Student Advisory Board (ISAB)**, *ODU*, Chair of Housing and Public Safety, ISAB represents the international student community and provides constructive feedback to University offices and departments. Provides suggestions for improving current programs and services and makes recommendations for new initiatives..
- 2022-present **Global Student Friendship (GSF)**, *ODU*, Help international students and families in Hampton Roads Area.  
- Vicepresident 2023. - Student Leader Spring 2022.
- 2021-present **Global Monarch Club (GMC)**, *ODU*, Office of Intercultural Relations, Provide guidance and mentorship to international students.  
- Vice President Fall 2022 - Spring 2023. - Mentor Spring 2022. - Mentee Fall 2021.
- Biology Graduate Student Organization (BGSO)**, *ODU*, Department of Biological Sciences.
  - Treasurer 2022-2023
- 2019-2020 **Student Representative Career Advisory Council**, *Simón Bolívar University*, Consejo Asesor de Carrera (Coordinación de Biología).
- 2018-2019 **Secretary of Culture (Principal) of the Federación de Centros de Estudiantes de la Universidad Simón Bolívar (FCEUSB)**, University Student Government Association, Board of Directors.
- 2016-2017 **President of the Student Center of Biology (CEBIOUSB)**, *Simón Bolívar University.*
- 2014-2019 **Submarinist Center (CESUSIBO)**, *Simón Bolívar University.*  
- Treasurer. (2017-2019) - President. (2016-2017) - Vocal. (2015-2016) - Secretary. (2014-2015)
- 2011-2013 **Vice-president of the Student Council**, *Colegio Americano*, High School.

### Community Service

- CCS Caracas City 450. Urban Interventions and recovery of public space in areas of the city. Department of Design, Architecture and Plastic Arts. 2019-2020.
- Goodwill Civil Association, Los Samanes, Baruta Municipality, Edo. Miranda. Special education teaching assistant. 2011 - 2012.
- Workshops with NGOs such as Trazando Espacios and Jardines Ecologicos Topotepuy.