

# Warner Ithier-Guzmán

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## **Education:**

Ph.D. Student College of Marine Sciences University of South Florida, St. Petersburg

Medical Sciences Campus, University of PR., Cupey, Graduate courses on Epidemiology and Radiation Safety

Masters Degree Environmental Protection and Evaluation  
Inter-American University of Puerto Rico May 2003

Occupational and Environmental Radiation Protection Harvard School of Public Health, April 2001

BS General Biology and Environmental Science Inter-American University of Puerto Rico, June, 1<sup>st</sup>, 1998

Washington Center for Internship and Seminars, Washington DC, January-May 1997  
Environmental Health and Law

Western Washington University, Minorities in Marine Science Undergraduate Program (MIMSUP)  
Research Program, January –August 1996

Boston University Marine Program, Woods Hole, Research Experience for Undergraduate 1995  
Summer Research and classes

## **Work Experience:**

### ***University of Puerto Rico, Río Piedras Campus, Occupational Safety and Health Office, Radiation Safety Program, Present-March 2001***

- Administrative support to clerks by following up with check and other clerical duties
- Maintain equipment inventory and orders
- Manage the Biomedical and Hazardous Waste including:
  - Manifest preparation and organization
  - Biomedical Waste collection
  - Research facilities monthly inspections for regulated biomedical hazard
  - Coordinate and Administrate training for biohazards waste generators according with OSHA regulations.
  - Coordinates the Regulated Biomedical Waste Program in compliance with the requirements of the Environmental Quality Board.
- Manage the Radiation Safety Program including:
  - Preparation of Workshop tests
  - Coordinate and Administrate training for new radioisotopes users
  - Research facilities monthly inspections for radioactive material in compliance with state and federal agencies
  - Manage the Radioactive Material Inventory
  - Radioactive Waste Management
  - Supervision of several research laboratories in Radiation Safety Area.
  - Coordinates the Radiation Safety Program in compliance with the requirements of the Nuclear Regulatory Commission.

***USDA Forest Service, Caribbean National Forest, "El Yunque", Rio Grande, PR, Public Information Technician, GS-4, August 2000-April 1999***

- Coordinates and implements training sections for the Environmental Education Program
- Write up of reports on the visitation statistic base on daily, weekly and monthly data
- Explanations of the scientific values, protection problems, natural and cultural history of the area and how these interrelate to visitors.
- Assist Law Enforcement Officer in the following situations:
  - Resource protection and regulations leading to capture violators of federal parameter to protect the Flora and Fauna of the Forest
  - Emergency Situations in the trails
- Identification and classification of flora and fauna in new trails
- Assist Managers with the coordination of the Puerto Rican Parrot release Activities
- Translate documents from the English language to Spanish for public release
- Coordinate fire prevention activities
- Attended Department of Interior, Park Service Module 101-102 for Park Ranger
- Learn how to develop Interpretation Programs and their Scripts and how to relate them to Environment Education

**Work Experience: Internships**

***Center for Environmental Education, Conservation and Interpretation (CECIA) January 1999-August 1998***

- Performs environmental pollution control surveys
- Responsible for receipt storage, safeguarding, handling of Chemical and Hazardous Wastes
- Water quality testing at La Parguera PR and wastewater plants
- Sea grass sampling and measurements of specimens
- Determination of nutrient concentration in water column
- Observation on habitat changes in La Parguera, PR
- Filtration of water samples to determine several parameter

***USDA Forest Service, Ochoco NF, Prineville, OR, Fisheries Biologist, GS5, Summer 1998***

- Stream habitat inventory (riparian zone coverage, fish identification and stream profile)
- Gathers data through a variety of methods
- Member of the team conducting Bottom Line Survey and Level II Stream Surveys
  - A) Determine pool or riffle through the observation of the stream.
  - B) Measure the length of riffles and depth of pools
- Rosgen Channel Type Classification
- Compile and analysis data for the interpretation of stream conditions
- Prepare reports base on findings

***Student Conservation Association, Washington DC, Intern, January -June 1997***

- Coordinate training for students enrolled in the Conservation Careers Program
- Analyze applications for the program
- Help with administrative duties including bookkeeping
- Help during the recruiting process of the Diversity Internship Program as a liaison with the Dept. of Interior

***US Fish and Wildlife Service, San Pablo Bay NWR, Vallejo, CA, Biological Tech, GS5, Summer 1997***

- Develop field techniques to apply predator/prey survey at refuge
- Maintenance and restoration of wetlands conducting biological surveys
- Identifying predators tracks in field
- Identification of migrating birds at refuge

- Establish and implements the San Pablo Bay Environmental Education Program
- Work in partnership with other federal agencies to produce field trip for the Environmental Education Program

***Mentoring Program of the Center for Excellence of the USDA, Summer 1996: Culebra National Wildlife Refuge, Biological Tech. Assistant***

- Patrolled leather back sea turtle nesting in Culebra
- Documentation of nesting and hatching activities in refuge
- Excavated hatched nests
- Quantified the reproductive output of the nest

***Western Washington University, MIMSUP, (Minorities in Marine Science Undergraduate Program), Anacortes, WA, Intern, January -June 1996***

- Develop field techniques to investigate the effects of nutrient loads in the symbiotic relationship between anemones and microscopic algae
- Weekly sampling at the Anacortes Seashore
- Teach Marine Science to students in the elementary level
- Analyze data and write reports

**Seminars:**

- Participate on the 7<sup>th</sup> Annual Federal Safety and Health Congress & Expo, Isla Verde, PR
- OSHA 10 hours course on: Bloodborne Pathogens Standard 29CFR 1910.1030
- OSHA 4 hours course on: Confined Spaces 29CFR 1910.146
- OSHA 4 hours course on: Respiratory System Protection CFR 1910 132-134, UPR Rio Piedras Campus, Conducted by Johnny Lugo
- Certified by FEMA in the CERT Program (Community Emergency Response Team) Río Piedras, PR.
- Behavior Base Security, Seminar, Isla Verde, PR.
- International Symposium on Occupational Medicine, Polytechnic University of PR
- “Ecología Isleña” Symposium, Inter-American University, Metropolitan Campus
- Participate on the 6<sup>th</sup> Annual Federal Safety and Health Congress & Expo, Isla Verde, PR
- OSHA 10 hours course on: Chemical Process and Management
- Emergency Management Response to Chemical Substances, 8 hours, UPR Río Piedras Campus, Conducted by Samuel Quiñones, Eng.
- Laboratory Safety, OSHA Regulation, 4 hours, UPR Rio Piedras Campus, Conducted by Johnny Lugo
- Fisheries Biology Training, Bottom Line Survey and Steam Surveys Level II, Mount Hood, Oregon
- Trace elements and heavy metals workshop: UPR Mayaguez Campus (3 days)
- Been a better educator. Conducted by Prof. Hector Torres
- How to be a better counsel. Conducted by Dr. Miriam Padilla

**Research Experience Presentations and Publications:**

**Research Experience:**

*University of South Florida, St. Petersburg, FL*

Research Area: Radiogeochimistry, Studying the presence of radionuclides in the island of Puerto Rico.

*Inter-American University of Puerto Rico, Metro Campus:*

*Thesis topics: Evaluation of the Radiation Safety Program of the UPR, Rio Piedras Campus.*

*Western Washington University, Anacortes, WA: Minorities in Marine Science Undergraduate Program (MIMSUP) 1996.*

*Research Title: Comparative Study of the effects of ammonia additions in *Anthopleura elegantissima* and its symbiotic algae*

*Boston University Marine Program, Woods Hole, MA: Summer Intern 1995*

*Research Title: Effects of nutrient loading on the young-of-the-year Fundulus heteroclitus at Waquoit Bay*

### **Publications:**

- Ithier-Guzman, W and Pyrtle, A.J. 2005. Sources and Fate of Anthropogenic Radionuclides in Puerto Rico: An Overview. *Journal for Environmental Restoration*. January 2005.
- Ithier-Guzman, W. 2003. Evaluation of the Radiation Safety Program of the UPR, Rio Piedras Campus. Master Thesis

### **Oral Presentations:**

International Safe Water Conference, Atlanta, Georgia, Fall 2003

Fate of Anthropogenic Radionuclides in Puerto Rico: An Overview

Panelist How to be succeed in graduate school, Panel Discussion. FGLAMP, Orlando, Fl, January, 2005.

### **Poster Presentation:**

American Society for Limnology and Oceanography (ASLO), Savannah, Georgia, June 2004

Fate and source of anthropogenic radionuclides in the island of Puerto Rico.

American Geophysics Union (AGU), San Francisco, CA December 8, 2004

Studying the anthropogenic radionuclides in Puerto Rico: Preliminary Result

ASLO Salt Lake, Utah February 19-24, 2005

Radiogeochemistry study of the Bonus Prototype nuclear power plant local environment near

Rincon, Puerto Rico-Preliminary Results.

More Graduate Education at Mountain States Alliance (MGE@MSA) April 18, 2005

Studying the radiogeochemistry of the island of Puerto Rico

### **Honors and Awards**

- Travel Award from the American Society of Limnology and Oceanography
- Granted by the National Science Foundation as a Fellow for the Louis Stokes Alliance for Minority Participation Fellowship, 2004.
- Honorable Mention on the National Science Foundation Graduate Fellowship, 2004
- Granted by the Inter-American University to represent the island at the Nobel Prize Award Ceremony Number 100, Stockholm, Sweden Dec. 1996
- Granted by:
  - Minorities Striving and Pursuing Higher Degrees of Success (MSPHD) to attend the American Geophysics Union (AGU), December, 2004
  - Minorities Striving and Pursuing Higher Degrees of Success (MSPHD) to attend the Joint Global Ocean Flux Study (JGOFS) conference Washington DC
  - Project 1000 to attend the 3<sup>rd</sup> and 5<sup>th</sup> Annual Conference Minority Graduate Education @Mountain States Alliance, Tempe, AZ.
  - NSF to attend the American Society for Limnology and Oceanography (ASLO) Meeting in 2003-1998-1997-1996
  - McNair Research Program Inter-American University, San German Campus
  - Department of Agriculture, Forest Service, 1998
  - Department of Interior, Diversity Intern Program, 1997
  - Washington Center for Internships and Academic Seminars, WA DC., 1997
  - Shannon Point Marine Center, MIMSUP Program 1996
  - Alliance for Minority Participation (AMP)
  - Department of Energy, Center for the Excellence, 1996

- Boston University Marine Program to attend the REU Program Summer 1995

### **Professional Membership**

- Sigma Xi - Associate Member
- USF, Marine Science Activities Committee, Member
- American Society for Limnology and Oceanography (ASLO)
- American Geophysics Union (AGU)
- Puerto Rico Federal Safety and Health Council
- REEF Environmental Education Foundation
- Biological Honor Society, Beta Beta Beta

### **Extra curricular activities:**

- Inter-American University of PR
  - 1998-97 Senior Class Council Treasurer
  - 1996-95 Student Government Association Assistant
  - 1997-95 Ambassador for the President of the Inter-American University
  - 1992-95 Active members for the Natural History Society Dr. Ismael Velez,
- Volunteer for:
  - HIV/AIDS committee for the UPR, Río Piedras Campus
  - Center for Environmental Education and Interpretation
  - US Fish and Wildlife Service, Boqueron Refuge