

PO BOX 6150 • AGUADILLA, PR • 00604-6150  
PHONE: (787)890-2681,EXT.485 • E-MAIL: MARCOS.ROSADO1@UPR.EDU

## MARCOS A. ROSADO-TORRES

### EDUCATION

---

- 2001 - 2008      University of Puerto Rico      Mayagüez, PR  
*Ph. D. – Biological Oceanography*  
• Major in Marine Optics and Remote Sensing
- 1995 - 2000      University of Puerto Rico      Mayagüez, PR  
*M.S. Biological Oceanography*  
• Major in phytoplankton dynamics, ecology and bio-optics
- 1987 - 1991      University of Puerto Rico      Mayagüez, PR  
*B.S. Industrial Microbiology*  
• Magna Cum Laude – GPA: 3.58

### WORK EXPERIENCE

---

- 2003 - present      University of Puerto Rico      Aguadilla, PR  
*Assistant professor*  
• Teaching general biology, biological sciences, human anatomy and physiology and undergraduate research courses and their labs.  
• Associate director of MSEIP project at UPR-Aguadilla.
- 1997 - 2003      University of Puerto Rico      Mayagüez, PR  
*Lab Technician*  
• Field sampling, laboratory analysis and statistical analysis of biological data
- 1995 - 1997      University of Puerto Rico      Mayagüez, PR  
*Teaching Assistant*  
• Teaching general biology for majors and genetics
- 1990 - 1995      Bristol-Myers-Squibb Company      Mayagüez, PR  
*Microbiology Lab Technician*  
• Environmental monitoring, microbiological testing of raw materials and finished products, Standard Operating Procedures design, culture media preparation and aseptic manufacture area monitoring  
• Training of manufacture and engineering personnel in microbial contamination and aseptic techniques and GMP's  
• Quality control materials stock administration and accounting

## SKILLS

---

- Proficient with Unix, Windows and Mac computer operating systems
- Above intermediate knowledge of Microsoft Office, statistical analysis software, graphics software and image processing software among others
- Experience with HTML and basic web design
- Basic knowledge of high level computer programming languages and general PC repair

## AWARDS RECEIVED

---

- 1988 – 1991 UPRM Honor List
- 1988 – 1991 The Dean's List Nominee
- 1988 – 1991 National Collegiate Science Awards Nominee
- 2000 – 2003 NASA Students Researchers Program Fellow

## PUBLICATIONS

---

Rosado, M. A. 2008. *Evaluation And Development Of Bio-Optical Algorithms For Chlorophyll Retrieval In Western Puerto Rico*. Doctor of Philosophy in Marine Sciences Dissertation. University of Puerto Rico at Mayagüez.

Rosado, M. A., Armstrong R. A., and Gilbes F. 2002 *Validation Of Bio-Optical Algorithms In The Western Coast Of Puerto Rico*. Ocean Optics XVI Meeting, Santa Fe, Nuevo Mexico, Poster Session

Gilbes F., Armstrong R. A., Del Castillo C. E., Miller R. I., Ramírez N. and Rosado M. A. 2002 *Bio-optical evidence of land sea interactions in the western coast of Puerto Rico*. Proceedings of Ocean Optics XVI Meeting, Santa Fe, Nuevo Mexico, pp. 1-12.

Rosado, M. A. 2000. *Variability of Bio-Optical Properties in Mayagüez Bay*. Masters of Marine Sciences Thesis. University of Puerto Rico at Mayagüez.

## PROFESSIONAL MEMBERSHIPS

---

- Sociedad Estudiantes de Microbiología Industrial (SEMI)
- Sociedad Estudiantes Graduados de Biología (AEGB)
- Sociedad Ambientalista Universitaria (SAU)

## MEETINGS ATTENDED

---

January 2007 – Quince Años de Investigación Oceanográfica en la Bahía de Mayagüez, Centro Hemisférico de Cooperación (CoHemis), UPR at Mayagüez

October 2006 – PR-LSAMP Annual Best Practices Conference on Teaching and Learning, Dorado, Puerto Rico

March 2003 – 23<sup>rd</sup> Puerto Rico Interdisciplinary Scientific Meeting, 38<sup>th</sup> ACS Junior Technical Meeting, Rio Piedras, PR

October 2003 – Novena Conferencia Anual del College Board – San Juan, PR

November 2002 – Ocean Optics XVI, Santa Fe, NM

June 2002 – NASA Graduate Students Researcher's Program Summer Internship, John C. Stennis Space Center, Mississippi

## TRAININGS

---

August 1991 – Good Manufacturing Practices, Bristol-Myers-Squibb, Mayagüez Operations

June 1993 – World Class Manufacturing, Bristol-Myers-Squibb, Mayagüez Operations

## CONFERENCES

---

August 2001 - *Computer Security and privacy protection: how to prevent the loss of data*, University of Puerto Rico at Aguadilla, Aguadilla, PR

February 2002 - *Variability of the Bio-optical properties in Mayagüez Bay* University of Puerto Rico at Aguadilla, Aguadilla, PR

November 2003 – *Aplicaciones de la Percepción Remota a Estudios Biológicos y Ambientales*, Iniciación de la Sociedad Ambientalista Universitaria, University of Puerto Rico at Aguadilla, Aguadilla, PR

December 2004 – *Uso de los Programas ChemSketch y 3D Viewer en la Enseñanza de Ciencias*, University of Puerto Rico at Aguadilla, Aguadilla, PR

September 2006 – *Using Databases*, PR-LSAMP Series of Workshops, University of Puerto Rico at Aguadilla, Aguadilla, PR

January 2007 – *Variabilidad Espacial y Temporal en las Propiedades Ópticas*, Quince años de Investigación Oceanográfica en la Bahía de Mayagüez, University of Puerto Rico at Mayagüez, Mayagüez, PR