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MARCOS A. ROSADO-TORRES

BIOGRAPHICAL DATA

Birth Date: October 13, 1969

Birth Place: Mayagüez, PR

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 - 2004 University of Puerto Rico Aguadilla, PR
Instructor
• Teaching general biology, microbiology and biological sciences courses and laboratories.
• Teaching undergraduate research courses.

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 operating systems
- Very good knowledge of Microsoft Office, statistical analysis software, graphics software and image processing software among others
- Experience with HTML and 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. 2000. *Variability of Bio-Optical Properties in Mayagüez Bay*. Masters of Marine Sciences Thesis. 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., Armstrong R. A., Gilbes F., García J. R. and Miller R. 2003 *Spatial and Temporal Variability of Bio-Optical Properties in the Western Coast of Puerto Rico*. In preparation.

PROFESSIONAL MEMBERSHIPS

Sociedad Estudiantes de Microbiología Industrial (SEMI)

Sociedad Estudiantes Graduados de Biología (AEGB)

Sociedad Ambientalista Universitaria (SAU)

MEETINGS ATTENDED

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

November 2002 – Ocean Optics XVI, Santa Fe, NM

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

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

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