

**BIO-OPTICAL PRESENTATIONS
YEARS 2000 – 2004**

YEAR 00-01

- Armstrong, R.A., F. Gilbes, R. Guerrero, and C. Lasta, 2000, **“Validation of SeaWiFS Chlorophyll Algorithm for the Rio De La Plata Estuary”**, Oceans from Space “Venice 2000”, October 9-13.
- Gilbes, F., and R.A. Armstrong, 2000, **“Space Remote Sensing of the Eastern Caribbean Sea”**, Oceans from Space “Venice 2000”, October 9-13.
- Armstrong, R.A., J. Lopez, and F. Gilbes, 2000, **“Apparent Optical Properties at the Caribbean Time Station”**, Ocean Optics XV, Monaco.
- Gilbes, F., and R.A. Armstrong, 2000, **“Inherent Optical Properties at the Caribbean Time Series Station (CaTS)”**, Ocean Optics XV, Monaco.
- Matta, J.L., R.A. Armstrong, and M. Morales, 2000, **“Mechanisms of UV-A and UV-B Induced Free Radical Oxidative Damage in Human Skin Fibroblasts”**, 7th Annual Meeting of the Oxygen Society, San Diego, CA, November 16-20.
- Torres, J.L., and R.A. Armstrong, 2001, **“Photosynthetic Pigments Associated with the Endosymbionts of the Sallow-Water Corals *Acropora cervicornis* and *Porites porites*”**, ASLO 2001, Albuquerque, New Mexico, Feb. 12-16.
- Torres, J.L., and R.A. Armstrong, 2000, **“Spectral Characteristics of *Acropora Cervicornis* and *Porites Porites* Under Laboratory Conditions”**. In: Abstract Volume of 9th Int. Coral Reef Symposium, Bali, Indonesia, Oct. 23-27, 2000, p. 240.
- Detres, Y., and R.A. Armstrong, 2000, **“Ultraviolet-Induced Photoinhibition and Flavonoid Synthesis in *Thalassia Testudinum*”**, American Society of Limnology and Oceanography (ASLO) Meeting, Copenhagen, June 5-9.
- Sastre, M., and R.A. Armstrong, 2000, **“SeaWiFS Estimates of Ocean Primary Productivity in the Caribbean Sea”**, NASA University Research Conference (NANURC), Nashville, Tennessee.

YEAR 01-02

- Corredor, J.E., J.M. Morell and V.M. Hensley. 2001. **“Elevated Phosphorus in Surface Waters of the Intra-Americas Sea: Results of the CaTS Program”**. EOS, *Transactions AGU*. 83: 185.
- López, J., E. Alfonso, A. Dieppa, J. Morell, and J. Corredor, 2002. **“Primary Productivity at CaTS”**. EOS, *Transactions AGU*. 83:4.

Morell, J.M. and J.E. Corredor. 2001. **“Climate Modulation of Physical and Biogeochemical Features at CaTS”**. EOS, *Transactions AGU*. 83:124.

Otero, E. 2001. **“Flux of Carbon and Nitrogen Through Heterotrophic Picoplankton in the Caribbean Time Series Station (CaTS) and the Caribbean”**, 13th EPSCOR Annual Meeting, Dorado, PR, March 2001.

Otero, Ernesto, R. Culp, J. E. Noakes, and R. E. Hodson. 2001. **“Allocation of Particulate Organic Carbon from Different Sources in Two Contrasting Estuaries of Southeastern USA”**, Sapelo Island Marine Institute Contribution Series #868.

Bauzá, J. F., J.E. Corredor and J.M. Morell. 2001. **“Nitrous Oxide Fluxes and Production in the Eastern Caribbean Basin”**. EOS, *Transactions AGU*. 83: 331.

YEAR 02-03

Armstrong, R.A., **“Variability of Bio-optical Oceanographic Properties in Coral Reef Areas”**. *Ocean Optics XVI*, Santa Fe, New Mexico, November 18-22, 2002.

Armstrong, R.A. and Y. Detrés. **“Airborne Fungi in Sahara Dust Aerosols Reaching the Caribbean Region”**. EPSCor – NOAA Climate Change Meeting, University of Puerto Rico, Mayaguez, January 9-11, 2003.

Corredor, J. and J. Morell. 2002. **“Seasonal and Interannual Variability of Water Mass Properties at The Caribbean Time Series Station-CaTS”**. IASI-IAS-RODAE & IOCARIBE-GOOS Coastal Modeling Workshop, November 6-8, 2002, Barbados, WI.

Gilbes, F., Armstrong, R., Miller, R.L., Del Castillo, C.E., Rosado, M., and Ramirez, N., **“Bio-Optical Evidence of Land-Sea Interactions in the Western Coast of Puerto Rico”**, *Ocean Optics XVI Meeting*, Santa Fe, New Mexico, November 18-22, 2002.

Guild, L., B. Ganapol, P. Kramer, R. Armstrong, A. Gleason, J. Torres, L. Johnson, and T. Garfield. 2002. **“Clues to Coral Reef Health: Integrating Radiative Transfer Modeling and Hyperspectral Data. Presented at the Nearshore Processes (Ocean Sciences)”**, *Session of the AGU Fall Meeting*, San Francisco, CA, Dec. 6-10.

Jose M. López, Angel Dieppa, Edwin Alfonso, **“Apparent Optical Properties At The Caribbean Time Series Station (Cats)”**, *Ocean Optics XVI*, Santa Fe, Nuevo Mexico, November 18-22, 2002.

Lee-Borges, J., F. Gilbes, and R.A. Armstrong. **“SeaWiFS Validation at the Caribbean Time Series Station (CaTS)”**, *Ocean Optics XVI*, Santa Fe, New Mexico, November 18-22, 2002.

Matta, J.L., J. Ramos, J. L.Villa, A. Ruiz, R. A. Armstrong, and L. Grossman, 2002. **“Skin cancer in Puerto Rican populations”**. *RCMI International Symposium*, Honolulu, Hawaii.

Rosado, M., Gilbes, F., Armstrong, R. and Lee-Borges, J., **“Validation of Bio-Optical Algorithms in the Western Coast of Puerto Rico”**, *Ocean Optics XVI Meeting*, Santa Fe, New Mexico, November 18-22, 2002.

YEAR 03-04

Singh, H., R.A. Armstrong, Y. Detres, G. Garcia-Moliner, K. Foote, L. Guild, J. Lindholm, R. Nemeth, and P. Valentine. 2004. **“The Seabed AUV and its use in Habitat Characterization”**. *ASLO/TOS Ocean Sciences Conference*, Honolulu, February 15-20.

Ramos, J., J. Villa, A. Ruiz, R. Armstrong, and J. Matta. **“DNA repair and UV exposure influence important characteristics of non-melanoma skin cancer”**. *AACR 95th Annual Meeting*, Orlando, FL, March 2004.

Matta, J., R. Armstrong, A. Ruiz, and J. Ramos. **“UV dose and DNA repair capacity predict non-melanoma skin cancer risk”**. *AACR 95th Annual Meeting*, Orlando, FL, March 2004.

Detrés, Yasmin and Roy Armstrong. 2003. **“Characterization of viable fungal spores in PM 2.5 filters samples reaching the Eastern Caribbean”**. *Transactions, American Geophysical Union Meeting*, San Francisco, CA.

Armstrong, Roy, Braulio Jimenez and Yasmin Detres. 2003. **“Mass Measurements of Saharan Dust Aerosols in Puerto Rico”**. *Transactions, American Geophysical Union Meeting*, San Francisco, CA.

Rivera-Denizard, Q., C. Betancourt, R. Armstrong and Y. Detres. 2003. **“Airborne Fungi in Sahara Dust Aerosols Reaching the Eastern Caribbean: I. Taxonomic Characterization by Morphological Features”**. *Transactions, American Geophysical Union Meeting*, San Francisco, CA.

De La Mota, A., C. Betancourt, Y. Detrés and R. Armstrong. 2003. **“Airborne Fungi in Sahara Dust Aerosols Reaching the Eastern Caribbean: II. Species Identification Using Molecular Techniques”**. *Transactions, American Geophysical Union Meeting*, San Francisco, CA.

Kerkhof, Lee, Lora McGuinness, Hiep Tran, Sybil Seitzinger, Gary Taghon, Jorge Corredor, Julio Morell. “Molecular Ecology of Denitrifying Bacteria in the Coastal Ocean”. *BIOMP – All Investigators Meeting*, UPR – RUM, Mayaguez, PR, January 8-9, 2004.

- Corredor, J., and Julio M. Morell. **“Opportunities for EPSCoR OOI Science: How can OOI Enhance Competitive Research in EPSCoR States?”** *EPSCoR EOS 2004: Environmental Observing Systems Workshop*. Alexandria, VA, February 9-10 2004.
- Guild, L., B. Ganapol, P. Kramer, R. Armstrong, A. Gleason, J. Torres, L. Johnson, and N. Garfield. 2003. **“Clues to coral reef ecosystem health: spectral analysis coupled with radiative transfer modeling,”** *Eos. Trans. AGU 84(46), Fall Meet. Suppl.*, Abstract OS22D-08, San Francisco, CA, Dec.8-12.
- Díaz, S., C. Camilion, G. Deferrari, C. Brunat, C. Booth, R. Armstrong, S. Cabrera, C. Cassiccia, H. Fuenzalida, C. Lovengreen, A. Paladini, J. Pedroni, A. Rosales, H. Zagarese, M. Vernet. 2003. **“An algorithm to retrieve biologically weighted irradiance from multi-channel radiometer measurements”.** *European Society of Photobiology 2003 Meeting*.