

# Publications

## Publications (journal articles, book chapters, peer-reviewed technical reports)

1. The EBM–DPSER model: Integrating Ecosystem Services into the DPSIR framework. C.R. Kelble, D.K. Loomis, S.Lovelace, W.K. Nuttle, P.B. Ortner<sup>5</sup>, P.Fletcher<sup>6</sup>, G.S.Cook, J.Lorenz, and J.N. Boyer. PLoS ONE 8(8): e70766. doi:10.1371/journal.pone.0070766.
2. Amornthammarong, N., J–Z Zhang, P.B. Ortner, J. Stamates, M.Shoemaker and M.W. Kindel (2012). A Portable Analyzer for the Measurement of Ammonium in Marine Waters. Environ. Sci.: Processes Impacts, DOI:10.1039/C2EM30793F
3. T.R. Rossby, Flagg, C.F., Ortner P.B. and Hu, C. (2011). A Tale of Two Eddies: Diagnosing coherent eddies through acoustic remote sensing. J. Geophys. Res., 116, C12, doi:10.1029/2011JC007307.
4. Amornthammarong, N., P. B. Ortner, and J–Z Zhang (2010) A Simple, Effective Mixing Chamber used in Conjunction with a Syringe Pump for Flow Analysis. Talanta 81, 1472–1476.
5. Kelble, C.R., P.B. Ortner, G.L. Hitchcock, M.J. Dagg and J.N. Boyer (2010). Dominance of top–down control on mesozooplankton in a shallow sub–tropical bay. Estuaries and Coasts, 33: 723–737
6. Boyer, J. N., C. R. Kelble, P. B. Ortner, and D. T. Rudnick (2009). Phytoplankton bloom status: an indicator of water quality condition in the southern estuaries of Florida, USA. Ecological Indicators. Volume 9, Supplement 6, S56–S67.
7. Lee, T., E. Johns, and P. Ortner (2007). Physical Processes. In J. Hunt, and W. Nuttle, eds. Florida Bay Science Program: A Synthesis of Research on Florida Bay. Fish and Wildlife Research Institute, St. Petersburg, FL., TR–11, pages 30–55.
8. Lee, T.N., N. Melo, E. Johns, C. Kelble, R.H. Smith and P.B. Ortner (2008). On water renewal and salinity variability in the Northeast sub–region of Florida Bay. Bulletin of Marine Science 82, 83–105.

9. Serafy, J.E., C.R. Kelble, T.R. Capo, S.A. Luthy, and P.B. Ortner (2007). Vertical movement rates of captive larval billfishes (Istiophoridae) collected from the Straits of Florida. *Florida Scientist*. 71:23–30.
10. Jurado, J.L., G.L. Hitchcock, and P.B. Ortner. (2007) Seasonal variability of nutrient and phytoplankton biomass spatial distributions on the southwestern Florida shelf. *Bulletin of Marine Science*, 80, 21–43.
11. Kelble, C.R., P.B. Ortner, E. Johns, T.N. Lee, W.K. Nuttle, and R. Smith (2006). Salinity Patterns of Florida Bay, *Estuarine Coastal and Shelf Science*. 71: 318–334.
12. Carter, G.; P. Restrepo, J. Hameedi, P.B. Ortner, C. Sellinger, J. Stein and T. Beechie.. 2006. White Paper #3: Freshwater Issues. In: *Ecosystem Science Capabilities Required to Support NOAA's Mission in the Year 2020*. Murawski, S.A. and G.C. Matlock (editors). NOAA Tech. Memor NMFS–F/SPO–74, 97 p.
13. Kourafalou, V.H., R.S. Balotro, G. Peng, T.N. Lee, E. Johns, P.B. Ortner, A. Wallcraft and T. Townsend, 2006. Seasonal variability of circulation and salinity around Florida Bay and the Florida Keys: SoFLA–HYCOM results and comparison to in–situ data. / *UM/RSMAS Tech. Rep.* /2006–04/, pp. 102.
14. Lee, T. N., Johns, E., Melo, N., Smith, R., Ortner, P. & Smith, D. (2006). On Florida Bay hypersalinity and water exchange. *Bull. Mar. Sci.* 79(2): 301–327.
15. Browder, J.A., R. Alleman, S. Markeley, P.B. Ortner, and P.A. Pitts (2005). Biscayne Bay conceptual ecological model. *Wetlands*, Vol 25 (4). 854–870.
16. Rudnick, D.T., P.B. Ortner, J.A. Browder, and S.M. Davis (2005). Florida Bay conceptual ecological model. *Wetlands*, Vol 25 (4). 870–884.
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18. Kelble, C. R., P. B. Ortner, G. L. Hitchcock, and J. N. Boyer. 2005. Attenuation of Photosynthetically Available Radiation (PAR) in Florida Bay: Potential for Light Limitation of

Primary Producers. *Estuaries* 28(4): 560–571.

19. Lawrence, D., M.J. Dagg, H. Liu, S.R. Cummings, P.B. Ortner, and C. Kelble (2004). Wind events and benthic–pelagic coupling in a shallow subtropical bay in Florida, USA.

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28. Zhang, J.-Z., C.J. Fischer, and P.B. Ortner (1999). Laboratory glassware as a contaminant in silicate analysis of natural water samples. *Water Research*, 33(12):2879–2883.
29. Zhang, J.-Z., C.J. Fischer, and P.B. Ortner (1999). Optimization of performance and minimization of silicate interference in continuous flow phosphate analysis. *Talanta*, 49(2):293–304.
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## **Other Book Chapters, Workshop or Symposia Contributions and Special Reports**

1. Ortner, P.B. 2012. South Florida Ecosystem Restoration is more than the Comprehensive Everglades Restoration Plan. In Kruczinski, WL and PJ Fletcher (eds.) 2012. Tropical Connections: South Florida's marine environment. IAN Press, Univ. Md. Center for Environmental Science, Cambridge, MD. 492pgs.\
2. Ortner, P.B. and T.R. Rossby (eds): 2012. OceanScope: A Proposed Partnership between the Maritime Industries and the Ocean Observing Community to Monitor the Global Ocean Water Column. A report by SCOR/IAPSO Working Group 133. 84pp. [http://www.scor-int.org/Publications/OceanScope\\_Final\\_report.pdf](http://www.scor-int.org/Publications/OceanScope_Final_report.pdf).
3. Florida Ocean and Coasts Council (2010). The effects of climate change on Florida's ocean and coastal resources: an update: 36pp.
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9. The NOAA Workshop on the Restoration of Florida Bay, July 14–16, 1993. Co-Convenor, Editor.

10. Nutrient Enhanced Coastal Ocean Productivity, October 1991.

11. GLOBEC Workshop on Bioacoustics and the Integration of Acoustic and Optical Technology, Woods Hole, 1991.

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16. Proceedings, Symposium on Environmental Research Needs in the Gulf of Mexico (GOMEX), Key Biscayne, Florida, September 1979.

17. Proceedings of a Workshop on Assimilative Capacity of U.S. Coastal Waters for Pollutants, Crystal Mountain, Washington, August 1979.