

CURRICULUM VITAE
Darren Rumbold

Personal Data

Born: 10 October 1959
Family Status: Married; one son

Citizenship: USA

Present Title & Address

Professor of Marine Science
Florida Gulf Coast University
10501 FGCU Blvd. South
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Current Research Focus

Landscape-level stress ecology, ecotoxicology and risk assessment

Education

- 1997** Post-doctoral Fellowship. AAAS / U.S. EPA Environmental Science & Engineering Fellow. National Center for Environmental Assessment, Washington, DC
- 1996** Ph.D. in Marine Biology and Fisheries, Rosenstiel School of Marine and Atmospheric Science, University of Miami, FL
- 1992** Summer course in marine pollution, Bermuda Biological Station for Research, Bermuda
- 1990** M.S. in Biology. Florida Atlantic University, Department of Biological Science, Boca Raton, FL
- 1982** B.S. Biology, Florida Atlantic University, Department of Biological Science, Boca Raton, FL
- 1982** B.A. Chemistry, Florida Atlantic University, Department of Chemistry, Boca Raton, FL
- 1979** A.A., Edison Community College, Ft. Myers, FL

Professional Experience

- 2011-present** Professor of Marine Science. Depart. Marine and Ecological Sciences, FGCU. Member of Graduate Faculty and Coastal Watershed Institute. Courses taught: Ecotoxicology (EVR5145), Environmental Chemistry (CHM1084C), Environmental Toxicology (EVS4814), Marine Systems (OCE1001C), Oceanography (OCE3008C), Scientific Process (ISC 3120), Senior Seminar in Marine Science (OCB4936) and, Special Topics Course in Ecological Risk Assessment (EVR6936). Ft. Myers, FL.
- 2006-2011** Associate Professor of Marine Science, Depart. Marine and Ecological Sciences, FGCU. Ft. Myers, FL.
- 2004-2006** Lead Environmental Scientist, South Florida Water Management District. Program coordinator for all mercury monitoring and research within the District; interagency team leader for mercury monitoring and research under the Comprehensive Everglades Restoration Plan (CERP). Ft. Myers, FL.

- 1998-2004** Senior Environmental Scientist, SFWMD. Responsible for data analyses and report writing for mercury monitoring program pursuant to numerous state and federal permits; Technical Lead -Water Quality Team for the Southwest Florida Feasibility Study assessing and formulating alternatives for improving water quality. West Palm Beach and Ft. Myers, FL.
- 1991-1995** Graduate Research Assistant, University of Miami. Conducted research on organochlorine pesticide and polyaromatic hydrocarbon contamination in the Florida Keys' coral-reef system. Miami, FL.
- 1986-1991** Staff Biologist, Solid Waste Authority Palm Beach County. Directed long-term monitoring of a large mixed-species, waterbird colony for possible impacts from construction and operation of a solid-waste incinerator and landfill. West Palm Beach, FL.
- 1986** Chemical plant worker, Jones Chemicals, Inc. Assisted in the repackaging of chlorine gas (i.e., from tanker cars to 1-ton and 150-lb cylinders) and the manufacture of sodium hypochlorite bleach. Ft. Lauderdale, FL.

Previous Teaching Experience

- Spring 2006** Adjunct Instructor, Edison College. Taught oceanography for non-science and science majors. Ft. Myers, FL.
- 2005-2006** Adjunct Instructor, Florida Gulf Coast University. Taught general education class in marine science for non-science majors. Ft. Myers, FL.
- 2002-2004** Water-quality Module Instructor, Florida Earth Foundation. Presented seminars on fate, transport and effects of metals in the Everglades. West Palm Beach, FL.
- 1984-1986** Adjunct Instructor, Broward Community College. Taught courses in general biology for non-science majors, general zoology and associated labs. Ft. Lauderdale, FL.
- 1983-1986** Graduate Teaching Assistant, Florida Atlantic University. Taught upper-level animal physiology labs; developed and taught new freshman general biology labs (i.e., when University went 4-yrs). Boca Raton, FL.
- 1983-1985** Adjunct Instructor, Palm Beach Junior College. Taught general biology labs. Boca Raton, FL.

Recent Grants and Contracts

- 2010-2012** Principal Investigator with Jagoe, C., Barreto, J., Loh, AN, Tolley, SG., Volety, A. Impacts from MC252 Oil on ecologically and commercially important plankton of the Gulf of Mexico. (\$332K)
- 2010-2015** Co-Principal Investigator with Volety, A. (Pi), Tolley, G., Loh, A.N. Long term monitoring of oysters *Crassostrea virginica* in Southwest Florida.” South Florida Water Management District (\$1,059K)
- 2010-2011** Co-Principal Investigator with Parsons, M. (Pi), Fugate, D., Loh, A.N., Savarese, M., Tolley, G., & Volety, A. on project titled “The Impacts of Variable Freshwater Inflow and Sea Level Rise.” US Department of Education (\$350K)
- 2010-2011** Co-Principal Investigator with Volety, A. (Pi) on project titled “Shark Ecology and Environmental Education Program” West Coast Inland Navigation District (\$30K)

- 2010** Co-Principal Investigator with Volety, A. on an Elise B. Newell Seminar Series. Florida Sea Grant (\$1K)
- 2010-13** Chief Consulting Scientist with Tetra Tech, Inc. on project titled “South Florida Wetlands Mercury Hot Spot Study.” South Florida Water Management District (\$363K).
- 2009-10** Co-Principal Investigator with Parsons, M. (Pi), Fugate, D., Loh, A.N., Savarese, M., Tolley, G., & Volety, A. on project titled “The Impacts of Variable Freshwater Inflow on Estuarine Process in Southwest Florida.” US Department of Education (\$333K)
- 2009-10** Co-Principal Investigator with Volety, A. (Pi), Tolley, G and Toll, R. on project titled “Development of a Strategic Plan for Florida Gulf Coast University’s Vester Marine and Environmental Sciences Research Field Station.” National Science Foundation (\$24K)
- 2008** Principal Investigator in a Professional services contract with South Florida Water Management District to provide technical support on the Caloosahatchee River Watershed Protection Plan. (\$21K)
- 2007-2008** Chief Consulting Scientist with Camp, Dresser & McKee, Inc. on project titled “Retrospective environmental impact assessment of a municipal solid-waste landfill”. Solid Waste Authority of Palm Beach County (\$30K)
- 2007-2008** Principal Investigator in a Professional services contract with South Florida Water Management District to provide technical support on water quality issues related to the Southwest Florida Feasibility Study. (\$22K)
- 2006-2008** Principal Investigator in a Professional services contract with South Florida Water Management District to provide technical support regarding mercury-sulfur cycling, fate, transport and effects in the Everglades. (Parts I & II: \$40K)
- 2000-2002** Co-Principal Investigator with David Evans on project titled “Linking Everglades Restoration and Enhanced Freshwater Flows to Elevated Concentrations of Mercury in Florida Bay Fish.” National Ocean Service, National Oceanic and Atmospheric Administration. (\$338K)
- 1999-2000** Principal Investigator on project titled “Contaminants in wildlife inhabiting the area around Palm Beach County’s North County Resource Recovery Facility.” Solid Waste Authority of Palm Beach County. (\$48K)

Peer-Reviewed Journal Publications

- In prep** Bergamaschi, B.B., Krabbenhoft, D.P., Aiken, G.A., Patino, E., **Rumbold, D.G.**, Orem, W.H., Tidal flux of dissolved organic carbon, total mercury, and methylmercury from a mangrove marsh.
- In prep** Harris R., Pollman C., Landing W., Axelrad D., Morey S., Evans D., Hutchinson D., Dukhovskoy D, Adams D., **Rumbold D.**, and Sunderland, E. Mercury Cycling, Bioaccumulation, and Options to Reduce Risk in the Gulf of Mexico. C-MERC synthesis paper to be submitted to special issue of *Environmental Research*.
- In review** Hammerschlag, N., Lazarre, D.M., **Rumbold, D.**, Wasno, D., Hammerschlag-Peyer C.M., Slonim, C. Movements of tiger sharks satellite-tagged off the Gulf Coast of Florida. *Marine Ecology*.
- In press** **Rumbold, D.G.**, Engel, M., and Axelrad, D. Risk of ill-informed decision-making when choosing your favorite fish. *Human and Ecological Risk Assessment*.

- 2011** **Rumbold, D.G.**, Evans, D., Niemczyk, S., Fink, L., Laine, K., Howard, N., Krabbenhoft, D., and Zucker M. Source identification of Florida Bay's methylmercury problem: mainland runoff versus atmospheric deposition and *in situ* production. *Estuaries and Coasts*. 34:494–513.
- 2009** **Rumbold, D.G.**, Morrison, M.B., and Bruner, M.C. Assessing the Ecological Risk of a Municipal Solid Waste Landfill to Surrounding Wildlife: a Case Study in Florida. *Environmental Bioindicators*, 4:246-279.
- 2009** Herring, G., Gawlik, D.E., and **Rumbold, D.G.** Physiological responses to methylmercury in Great Egret and White Ibis chicks in the Florida Everglades. *Sci. of the Total Environ.*, 407: 2641-2649.
- 2008** **Rumbold, D.G.**, Lange, T.R., Axelrad, D.M., Atkeson, T.D. Ecological risk of methylmercury in Everglades National Park, Florida, U.S.A. *Ecotoxicology* 17:632-641.
- 2007** Henshel, D., Aschner, M., Basu, N., Bowerman, W., Echeverria, D., Gilbertson, M., Ralston, N., **Rumbold, D.G.**, Wolfe, M. Roundtable Discussion Groups Summary Papers: New Bioindicators for Mercury Toxicological Assessment: Recommendations from the First International Bioindicators Roundtable. *Environ. Bioindicators*, 2:183 – 207.
- 2006** **Rumbold D.G.**, and Fink, L.E. Extreme spatial variability and unprecedented methylmercury concentrations within a constructed wetland. *Environ. Monit. Assess.*, 112: 115–135.
- 2005** **Rumbold D.G.** A probabilistic risk assessment of the effects of methylmercury on Great Egrets and Bald Eagles foraging at a constructed wetland in South Florida relative to the Everglades. *Human and Ecol. Risk Assess.*, 11(2): 365-388.
- 2002** **Rumbold D.G.**, Fink, L.E., Laine, K.A., Niemczyk, S.L., Chandrasekhar, T., Wankel, S.D. and Kendall, C. Levels of mercury in alligators (*Alligator Mississippiensis*) collected along a transect through the Florida Everglades. *Sci. of the Total Environ.*, 297: 239-252.
- 2002** **Rumbold, D.G.**, and Mihalik, M.B.. Biomonitoring environmental contaminants near a municipal solid-waste combustor: a decade later. *Environ. Pollution*.117: 15-21.
- 2001** **Rumbold D.G.**, Niemczyk, S.L., Fink, L.E., Chandrasekhar, T., Harkanson, B., and Laine K.A. Mercury in eggs and feathers of Great Egrets (*Ardea albus*) from the Florida Everglades. *Arch. Environ. Contam. Tox.* 41: 501-507.
- 2001** **Rumbold, D.G.**, Davis, P.W., and Peretta, C. Estimating the effect of beach nourishment on *Caretta caretta* (Loggerhead sea turtle) nesting. *Restoration Ecology*, 9: 304 – 310.
- 1999** **Rumbold, D.G.**, and Snedaker, S.C. Sea-surface microlayer toxicity off the Florida Keys. *Mar. Environ. Res.*, 47: 457-472.
- 1997** **Rumbold, D.G.**, Bruner, M.C., Mihalik, M.B., and Marti, E.A. Biomonitoring environmental contaminants near a municipal solid-waste combustor. *Environ. Pollut.*, 96: 99-105.
- 1997** **Rumbold, D.G.**, and Snedaker, S.C. Evaluations of bioassays to monitor surface microlayer toxicity in tropical waters. *Arch. Environ. Contam. Tox.*, 32: 135-140.
- 1996** **Rumbold, D.G.**, Mihalik, M.B., Bruner, M.C., Marti, E.A., and White, L.L. Organochlorine pesticides in aningas, white ibises and apple snails collected in Florida: 1989 - 1991. *Arch. Environ. Contam. Tox.*, 30: 379-383.
- 1995** Glynn, P.W., **Rumbold, D.G.**, and Snedaker, S.C. Organochlorine pesticide residues in marine sediment and biota from the northern Florida reef tract. *Mar. Pollut. Bull.*, 30:397-407.

- 1995 Snedaker, S.C., Glynn, P.W., **Rumbold, D.G.** and Corcoran, E.F. Distribution of n-alkanes in marine samples from southeast Florida. *Mar. Pollut. Bull.*, 30:83-89.
- 1994 **Rumbold, D.G.**, and Mihalik, M.B. Snail Kite use of a communal roost and drought-related habitat, 1987-1991. *Fl. Field Naturalist*, 22:29-38.
- 1994 **Rumbold, D.G.**, and Snedaker, S.C. Do mangroves float? *J. Tropical Ecol.*, 10:281-284.

Book Chapters and Select Technical Reports

- In Press** **Rumbold, D.G.**, and Evans, D. Mercury contamination: a global issue with local impacts. *In* Kruczynski, W.L. and Fletcher, P.J. (eds). Tropical Connections: Facts about south Florida's marine environment. IAN Press, University of Maryland Center for Environmental Science, Cambridge, Maryland. 452 pp.
- 2009 Independent Technical Review Team. Sediment in Baltimore Harbor: Quality and Suitability for Innovative Reuse. An Independent Technical Review. Kramer, J., Smits, J., and Sellner, K. (eds.) Maryland Sea Grant Publication UM-SG-TS-2009-04. CRC Publ. No. 09-169. <http://www.mdsg.umd.edu/programs/policy/coastal/dredging/index.php>
- 2008 **Rumbold, D.G.** Retrospective Assessment of Impacts that Construction and Operation of the North County Resource Recovery Facility had on Area Wildlife: 1987 – 2007. Prepared for Camp Dresser & McKee Inc. Tampa, Florida.
- 2008 Gabriel, M., Howard, N., Matson, F., Atkins, S., **Rumbold, D.** Appendix 3B-1: Annual permit compliance monitoring report for mercury in downstream receiving waters of the Everglades Protection Area. *In* 2008 South Florida Environmental Report Vol 1. South Florida Water Management District, West Palm Beach, FL. https://my.sfwmd.gov/portal/page/portal/pg_grp_sfwmd_sfer/pg_sfwmd_sfer_prevreport
- 2008 Gabriel, M., Redfield, G. and **Rumbold, D.** Appendix 3B-2: Sulfur as a Regional Water Quality Concern. *In* 2008 South Florida Environmental Report Vol 1. South Florida Water Management District, West Palm Beach, FL. https://my.sfwmd.gov/pls/portal/docs/PAGE/PG_GRP_SFWMD_SFER/PORTLET_SUBTAB_DRAFT_RPT/TAB19853153/APPENDICES2008/v1_app_3b-2.pdf
- 2007 **Rumbold, D.**, Niemeyer, N., Matson, F., Atkins, S., Jean-Jacques, J., Nicholas, K., Owens, C., Strayer, K., and Warner, B. Appendix 3B-1: Annual permit compliance monitoring report for mercury in downstream receiving waters of the Everglades Protection Area. *In* 2007 South Florida Environmental Report Vol 1. South Florida Water Management District, West Palm Beach, FL. http://www.sfwmd.gov/sfer/SFER_2007/
- 2007 **Rumbold, D.**, Niemeyer, N., Matson, F., Atkins, S., Jean-Jacques, J., Nicholas, K., Owens, C., Strayer, K., and Warner, B. Appendix 5-6: Annual permit compliance monitoring report for mercury in Stormwater Treatment Areas. *In* 2007 South Florida Environmental Report. Vol 1. South Florida Water Management District, West Palm Beach, FL. http://www.sfwmd.gov/sfer/SFER_2007/
- 2007 Axelrad, D.M., Atkeson, T.D., Lange, T., Pollman, C.D., Gilmour, C.C., Orem, W.H., Mendelssohn, I.A., Frederick, P.C., Krabbenhoft, D.P., Aiken, G.R., **Rumbold, D.G.**, Scheidt, D.J., Kalla, P.I. Chapter 3B: Mercury Monitoring, Research and Environmental Assessment in South Florida. *In* 2007 South Florida Environmental Report. Vol 1. South Florida Water Management District, West Palm Beach, FL. <http://www.sfwmd.gov/sfer/>

- 2006 Rumbold, D.G.** Appendix 4-7: Updated Ecological Risk Assessment of Mercury at STA-2: Bald Eagle, Wood Stork and Snail Kite. *In* 2006 South Florida Environmental Report Vol 1. South Florida Water Management District, West Palm Beach, FL. <http://www.sfwmd.gov/sfer/>
- 2005 Rumbold, D.G.,** and Pfeuffer, R.. District guidance in the design of a project-level monitoring and assessment plan for mercury and other toxicants. Appendix: Comprehensive Everglades Restoration Plan Guidance Memorandum 42.00. http://www.evergladesplan.org/pm/program_docs/cerp-guidance-memo.cfm
- 2004 Barnes, T., Rumbold, D.,** and Salvato, M. Caloosahatchee Estuary and Charlotte Harbor Conceptual Model. Southwest Florida Feasibility Study. www.evergladesplan.org/pm/studies/studydocs/swfl/swffs_cems_caloosahatchee_b.pdf
- 2004 Thomas, D. and Rumbold, D.G.** Coastal Bays and Barrier Islands: Ecological Conceptual Model. Southwest Florida Feasibility Study. http://www.evergladesplan.org/pm/studies/study_docs/swfl/swffs_cems_coastalbays6.pdf
- 2003 Rumbold, D.,** Evans, D., Niemczyk, S., Crumley, P., Fink, L., Laine, K., Niemeyer, N., and Drummond, A. Preliminary Report on Florida Bay Mercury Screening Study (Monitoring the Effect of Restoration and Enhanced Freshwater Flows on Biogeochemistry and Bioaccumulation of Mercury in Florida Bay). Appendix 2B-4 *In* 2003 Everglades Consolidated Report. South Florida Water Management District, West Palm Beach, FL. <http://www.sfwmd.gov/sfer/>
- 2001 Rumbold, D.,** Fink, L.; Laine, K., Matson, F., Niemczyk, S., and Rawlik, P. Appendix 7-13: Stormwater Treatment Area 6 Follow-up Mercury Studies. 2001 Everglades Consolidated Report. South Florida Water Management District, West Palm Beach, FL. <http://www.sfwmd.gov/sfer/>
- 2000 Rumbold, D.G.** Appendix 7.3b: Methylmercury risk to Everglades wading birds: a probabilistic ecological risk assessment. *In* 2000 Everglades Consolidated Report. South Florida Water Management District, West Palm Beach, FL. http://www.sfwmd.gov/org/ema/everglades/consolidated_00/ecr2000/appendices/appendix07_3%20_7_6.pdf
- 2000 Rumbold, D.G.** Contaminants in wildlife inhabiting the area around Palm Beach County's North County Resource Recovery Facility: 1989 – 1999. Final report to the Solid Waste Authority of Palm Beach County, February 2000, West Palm Beach, FL.
- 1999 Fink, L., Rumbold, D.G.,** and Rawlik, P. The Everglades mercury problem. *In* Everglades Interim Report. South Florida Water Management District, West Palm Beach, FL.
- 1999 Rumbold, D.G.,** Fink, L. Appendix 7.4: Confounding evidence for the “Inverse Relationship” between total phosphorus in the water column and mercury in mosquitofish. *In* Everglades Interim Report. South Florida Water Management District, West Palm Beach, FL.
- 1997 Rumbold, D.G.** An evaluation of the potential impacts of increased nutrient fluxes across the air-sea interface and neuston response. American Association for the Advancement of Science (AAAS) / US EPA Environmental Science and Engineering Fellows Program: 1997 Reports., Washington, DC. For Executive Summary, see: <http://es.epa.gov/ncer/publications/archive/aaas97.html>
- 1993 Rumbold, D.G.** Ontology of the early life-stages of meroneustonic reef species in the sea-surface microlayer in the Florida Key. Pages 1-17 *In* S. Snedaker (ed.). Man-land-ocean interactions in the upper Florida Keys: alternatives for conservation and development. Report to the John D. and Catherine T. MacArthur Foundation. RSMAS, Univ. Miami. Miami, FL.
- 1991 Rumbold, D.G.** Biomonitoring for chemical contaminants. *Florida Beacon*, 5:3-4.

Invited Presentations

- 2011 Rumbold, D.G.**, Jagoe, C., Barreto, J., Loh, AN, Tolley, SG., Volety, A. Impacts from MC252 Oil on ecologically and commercially important plankton of the Gulf of Mexico. Invited presentation to the Centre of Documentation, Research and Experimentation on Accidental Water Pollution (CEDRE). Brest, France. June 30, 2011.
- 2009 Rumbold, D.** Mercury: Global contaminant with Local Impacts. Invited presentation to group of national journalists. 2009 Scripps Howard Institute on the Environment. Florida Atlantic University, Jupiter, FL. June 1-6
- 2009 Rumbold, D.** South Florida Mercury Science Program: Lessons Learned. Gulf of Mexico Alliance, 2nd Annual Monitoring Forum. New Orleans, April 7-8 2009. http://www2.nos.noaa.gov/gomex/waterquality/monitor_09/wkgroups/02_rumbold.pdf
- 2008 Rumbold, D.**, Julian, P. Identification of Nutrient Concentration Hotspots. Presented to the Caloosahatchee River Watershed Protection Plan Team. February 20, 2008. Ft. Myers, FL.
- 2006 Rumbold, D.***, Neimeyer, N. Mercury monitoring program for Everglades (Florida, USA) Restoration: 1. Multi-scale abiotic. Invited Presentation for the 8th International Conference on Mercury as a Global Pollutant, Madison, Wisconsin, USA; August 6-11, 2006.
- 2006** Lange,T.*, **Rumbold, D.**, Neimeyer, N. Mercury monitoring program for Everglades (Florida, USA) Restoration: 2. Multi-scale biotic. Invited Presentation for the 8th International Conference on Mercury as a Global Pollutant, Madison, Wisconsin, USA; August 6-11, 2006.
- 2006 Rumbold, D.G.***, Lange, T. The efficacy of monitoring water-column concentrations of mercury in canals to predict problem areas in downstream Everglades' marshes. Invited Presentation for the 14th International Conference on Environmental Bioindicators. Baltimore, Maryland. April 24-26, 2006.
- 2005 Rumbold, D.***, Fink, L., Pfeuffer, R., Bechtel, T. A phased, multi-tiered approach for adaptive assessment and monitoring potential toxicants at individual projects of the Comprehensive Everglades Restoration Plan. Invited Presentation at the Annual Meeting of the Society of Risk Analysis, Orlando, FL. December 4-7, 2005.
- 2001 Rumbold, D.G.***, Fink, L.E., Laine, K.A., Niemczyk, S.L., Chandrasekhar. T. Levels of mercury in alligators collected along a transect through the Florida Everglades. Invited Presentation to the Florida Electric Power Coordinating Group. West Palm Beach, FL. May 11, 2001.

Select Contributed Presentations (Asterisk* designates a presentation by that co-author at a meeting)

- 2011 Rumbold, D.G. ***, Wasno, B., Hammerschlag, N., Volety, A., & Nicholson, M. Trophic Transfer of Mercury to Sharks off Southwest Florida. 10th International Conference on Mercury as a Global Pollutant (ICMGP). Halifax, Nova Scotia, Canada. July 24-29, 2011
- 2011** Thera, J.C.*, & **Rumbold, D.G.** Mercury Biomagnification through a Subtropical Marine Food Web. 10th International Conference on Mercury as a Global Pollutant (ICMGP). Halifax, Nova Scotia, Canada. July 24-29, 2011
- 2011** Lange, T.R., **Rumbold, D.G.***, Krabbenhoft, D.P., Bergamaschi, B.A., & Aiken G.R. Fish mercury bioaccumulation along a salinity gradient in the Shark River, Everglades National Park, Florida, USA. 10th International Conference on Mercury as a Global Pollutant (ICMGP). Halifax, Nova Scotia, Canada. July 24-29, 2011

- 2011** Bergamaschi B.A. *, Krabbenhoft D.P., Aiken G.R., Patino E., Krupp G.O., Ploos S.D., Orem W.H., **Rumbold D.G.**, & Lange T.R. Processes affecting tidal flux of total mercury, methyl mercury, and dissolved organic carbon from the Everglades Shark River mangrove marsh. 10th International Conference on Mercury as a Global Pollutant (ICMGP). Halifax, Nova Scotia, Canada. July 24-29, 2011
- 2011** Harris R.*, Pollman C., Landing W., Axelrad D., Morey S., Evans D., Hutchinson D., Dukhovskoy D, Adams D., **Rumbold D.**, & Sunderland, E. Mercury Cycling, Bioaccumulation, and Options to Reduce Risk in the Gulf of Mexico. 10th International Conference on Mercury as a Global Pollutant (ICMGP). Halifax, Nova Scotia, Canada. July 24-29, 2011
- 2011** Dudley, J.B., **Rumbold, D.G.**, and Erdman R.B*. Bioaccumulation of mercury in limited trophic level anchialine lakes on San Salvador Island, Bahamas. 14th Symposium on the Natural History of the Bahamas. Gerace Research Centre, San Salvador, Bahamas. June 16-20, 2011.
- 2009** Thera, J.C.*, & **Rumbold, D.G.** Mercury Concentrations in King Mackerel (*Scomberomorus cavalla*) from Southwest Florida. 30th Annual Meeting of Society of Environmental Toxicology and Chemistry. New Orleans, LA. November 19-23, 2009
- 2009** Brandon, A.*, Cunningham, M., Onorato, D., Jansen D. & **Rumbold, D.G.** Spatial and Temporal Patterns in Mercury Concentrations in Blood and Hair of Florida Panthers (*Puma concolor coryi*): 1978 – 2008. 30th Annual Meeting of Society of Environmental Toxicology and Chemistry. New Orleans, LA. November 19-23, 2009
- 2009** Easton, J.A.*, **Rumbold, D.G.**, and Erdman R.B.. Mercury concentrations in *Pinctada longisquamosa* and *Isognoman alatus* from anchialine lakes on San Salvador Island, Bahamas. 13th Symposium on the Natural History of the Bahamas. Gerace Research Centre, San Salvador, Bahamas. June 18-22, 2009.
- 2008** Evans, D.W.*, & **Rumbold, D.G.** Mercury Bioaccumulation in Florida Bay Fish: Why So High? Presented at the 2008 Florida Bay and Adjacent Marine Systems Science Conference. Naples, FL. December 8-11, 2008
- 2008** Thera, J.C.*, Haynes, L. & **Rumbold, D.G.** Fine Scale Spatial Variation in Total Mercury levels in Southwest Florida Molluscan Bivalves. Presented at Presented at the 29th Annual Meeting of Society of Environmental Toxicology and Chemistry. Tampa, FL November 16-20, 2008.
- 2007** Gilmour, C.C.*, Orem, W.H., Krabbenhoft, D., Aiken, G.R., **Rumbold, D.** Sulfur Contamination of the Everglades: Effects on Methylmercury Production and Implications for Ecosystem Restoration. Presented at the Annual meeting of the American Society of Limnology and Oceanography (ASLO), Santa Fe, New Mexico. February 4-9, 2007
- 2006** **Rumbold, D.G.** Ecological Risk at a Methylmercury Hot Spot in the Florida Everglades. Presented at the 27th Annual Meeting of Society of Environmental Toxicology and Chemistry. Montréal, Québec, Canada. November 5-9, 2006
- 2004** **Rumbold, D.G.***, Niemeyer, N., Fink, L., Evans, D., and Krabbenhoft. D. Source identification of Florida Bay's methylmercury problem: Mainland runoff versus atmospheric deposition and *in situ* production. Presented at the Society of Environmental Toxicology and Chemistry 4th World Congress. Portland, Oregon. 14-18 November 2004.
- 2003** Evans, D.W.*, Crumley, P.H., **Rumbold, D.G.**, and Niemczyk, S. Mercury in Fish from Eastern Florida Bay. Presented at the 2003 Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem. Palm Harbor, Florida. 13-18 April 2003.

- 2001** Brown, D.J.*, Chu, M.D., Axelrad, D., **Rumbold, D.G.**, Chu, A.H. and Clark, G.C.,. Use of the CALUX® bioassay for dioxins in an incinerator biomonitoring program. Presented at the 22nd Annual Meeting of the Society of Environmental Toxicology and Chemistry. Baltimore, Maryland, USA, 11 - 15 November 2001.
- 2000** **Rumbold, D.G.** Assessment of methylmercury risk to three species of wading birds in the Florida Everglades. Presented at the 3rd workshop on “Practical Issues in the use of Probabilistic Risk Assessment.” NIEHS / USEPA. 16-18 April 2000. Safety Harbor, FL.
- 1992** **Rumbold, D.G.***, Bruner, M.C., Marti, E.A., Evans, V.D., Grohse, P.M., and Binstock, D.A. Ecotoxicological surveillance program on wildlife in the vicinity of a resource recovery facility: a baseline study. Presented at the annual meeting of the Southeastern Regional Chapter of the Society of Environmental Toxicology and Chemistry. Gainesville, Florida. 7 March 1992.
- 1991** **Rumbold, D.G.***, and Bruner, M.C. Community level approach for impact assessment on a communal roost of the endangered Snail Kite (*Rostrhamus sociabilis plumbeus*). Presented at the annual meeting of the Society for Conservation Biology. Madison, Wisconsin. 18-22 June 1991.
- 1989** **Rumbold, D.G.** Monitoring effects of close proximity site clearing and industrial development on a mixed species heronry and Snail Kite roost. Presented at the annual meeting of the Colonial Waterbird Society. Key Largo, Florida. 26-29 October 1989.

Professional Societies: Long-term Membership

Sigma Xi

Society of Environmental Toxicology and Chemistry

Service to Profession

- 2010** Invited participant – National Science and Technology Council’s Joint Sub-Committee on Ocean Science and Technology (JSOST) Deepwater Horizon Oil Spill Principal Investigator (PI) Conference. St. Petersburg, FL
- 2010** Served on steering committee - Gulf of Mexico Alliance Mercury Forum, Sarasota, FL
- 2006-10** Editorial Board: Environmental Bioindicators Journal
- 1996-10** Peer-reviewer for the following journals: Archives of Environ. Contam. and Toxic., Biological Conservation, Ecotoxicology, Environ. Res., Environ. Monit. Assess, Environ. Sci. Tech., Environ. Pollut., J. of Mar. Environ. Res., Sci. of the Total Environ.
- 2008** Invited participant – Gulf of Mexico Alliance Mercury Workshop, Gulfport, MS
- 2008** Invited participant – National Mercury Monitoring Workshop (US EPA), Annapolis, MD
- 2008** Served on the program committee-Society of Environmental Toxicology and Chemistry 2008 Annual Meeting
- 2008** Served on Independent Technical Review Team for Chesapeake Research Consortium to assess risk associated with various beneficial uses of contaminated sediments dredged from Baltimore Harbor, MD.
- 2008** Invited participant – Mercury-Sulfur Workshop (FL Dept. Environmental Protection), Homestead, FL
- 2007** Proposal reviewer for National Science Foundation

- 2006** Member Expert Panel: Mercury Bioindicators; 14th International Conference on Environmental Bioindicators
- 2005** Co-Chair of symposium titled “Florida Ecosystem: Case Studies and Relevance for Risk Analyses”; 2005 Annual Meeting of the Society for Risk Analysis
- 2000-2004** Served on selection committee, Amer. Assoc. Advancement Sci. - Science and Technology Policy Fellowship Programs
- 2002** Invited as breakout-group leader for 2-day workshop developing mercury science strategy for CALFED Bay-Delta System, Monterey, CA
- 2001** Committee member, EcoRisk Focus Group, Florida Contaminated Soils Forum
- 1999** Co-organizer of workshop on “Effects Assessment for Mercury in Fish-eating Birds: Setting an Avian Wildlife Criterion”

Service to University

- 2008-** Appointed to serve as Campus Coordinator for Florida Sea Grant
- 2006-** Serve on FGCU’s Institutional Animal Care and Use Committee (IACUC)’ as Chair Elect in 2010 and Chair in 2008.
- 2010** Appointed as FGCU point-of-contact for Florida Oil Spill Academic Task Force (OSATF)
- 2010** Designated alternate to serve on Florida Institute of Oceanography Council
- 2010** Served on the College of Arts and Sciences (CAS) Reorganization Taskforce
- 2006-2009** Served as FGCU Marine Science Program Lead
- 2007-2009** Served on the Peer Review and Support Committee
- 2007-2008** Served on Academic Building-7 planning committee