

**NANCY N. RABALAIS**  
Executive Director and Professor

Louisiana Universities Marine Consortium  
8124 Hwy. 56  
Cocodrie, LA 70344  
nrabalais@lumcon.edu

Phone: 985-851-2801  
FAX: 985-851-2874

Web sites: <http://www.gulfhypoxia.net>  
<http://cwc.lumcon.edu>

**Education**

B.S., Biology, Texas A&I University, Kingsville, Texas, 1972 (summa cum laude)  
M.S., Biology (Minor: Psychology), Texas A&I University, Kingsville, Texas, 1975  
Ph.D., Zoology (Minor: Marine Studies), The University of Texas at Austin, 1983

**Professional Employment**

2005 – present Executive Director, LUMCON  
1997 – present Professor, LUMCON  
1991 – 1996 Associate Professor, LUMCON  
1984 – 1991 Assistant Professor, LUMCON  
1985 – 1990 Summer Program Director, LUMCON  
1983 – 1984 Research Associate, LUMCON

**Five Products Most Relevant to Proposed Research**

Baustian, M. M., N. N. Rabalais, W. L. Morrison and R. E. Turner. 2011. Seasonal microphytobenthos on the hypoxic northern Gulf of Mexico continental shelf. *Marine Ecology Progress Series* 436: 51-66, doi: 10.3354/meps09262.

Rabalais, N. N., R. J. Díaz, L. A. Levin, R. E. Turner, D. Gilbert and J. Zhang. 2010. Dynamics and distribution of natural and human-caused coastal hypoxia. *Biogeosciences* 7:585-619.

Rabalais, N. N., R. E. Turner, D. Justić, and R. J. Díaz. 2009. Global change and eutrophication of coastal waters. *ICES Journal of Marine Science* 66: 1528-1537.

Rabalais, N. N., R. E. Turner, B. K. Sen Gupta, D. F. Boesch, P. Chapman, and M. C. Murrell. 2007. Characterization and long-term trends of hypoxia in the northern Gulf of Mexico: Does the science support the Action Plan? *Estuaries and Coasts* 30(5): 753-772.

Rabalais, N. N., R. E. Turner, B. K. Sen Gupta, E. Platon and M. L. Parsons. 2007. Sediments tell the history of eutrophication and hypoxia in the northern Gulf of Mexico. *Ecological Applications*, 17(5) Supplement: S129-S143. [Special Issue, Nutrient Enrichment of Estuarine and Coastal Marine Environments]

**Five Additional Relevant Products**

Turner, R. E. and N. N. Rabalais. 2013. N and P phytoplankton growth limitation, northern Gulf of Mexico. *Aquatic Microbial Ecology* 68: 159–169. doi: 10.3354/ame01607

Rabalais, N. N. and R. E. Turner. 2012. 11.5 Management Case Study: Mississippi River In: Kramer, H. and J. Pinckney (eds.), Volume 11. Integrated Management of Estuaries and Coasts, In: Wolansky, E. and D.S. McLusky (eds.), *Treatise on Estuarine and Coastal Science*. Elsevier.

- Rabalais, N. N. and R. E. Turner (eds.). 2001. *Coastal Hypoxia: Consequences for Living Resources and Ecosystems*. Coastal and Estuarine Studies 58, American Geophysical Union, Washington, D.C., with authorship or co-authorship in six chapters.
- Gilbert, D., N. N. Rabalais, R. J. Diaz and J. Zhang. 2010. Evidence for greater oxygen decline rates in the coastal ocean than in the open ocean. *Biogeosciences* 7: 2283–2296.
- Levin, L. A., W. Ekau, A. Gooday, F. Jorissen, J. Middelburg, W. Naqvi, C. Neira, N. N. Rabalais and J. Zhang. 2009. Effects of natural and human-induced hypoxia on coastal benthos. *Biogeosciences* 6: 2063-2098.

### **Synergistic Activities**

- Member, Board of Directors, Gulf of Mexico Coastal Ocean Observing System, Regional Association, 2002 – present.
- Member, Chair, National Sea Grant Advisory Board, 2008 – present.
- Member-at-Large UNOLS Council, University-Naval Oceanographic Laboratory System, 2007-2012.
- Trustee, Board of Trustees, Consortium for Ocean Leadership, 2008-2011-2014.
- Member, SCOR Working Group #128 on Natural and Human-Induced Hypoxia and Consequences for Coastal Areas, 2006 – 2010.
- President-Elect, National Association of Marine Labs, 2012-2013.
- President, Southern Association of Marine Labs, 2012-2013.
- Member, National Research Council, 11 Committees, 2005 – 2013..

### **Awards, Honors**

- AGU Fellow, 2013
- MacArthur Award, 2012
- Heinz Award, 2011
- Peter Benchley Award for Excellence in Science, Blue Frontier Organization, June 2012
- Rachel Carson Lecture, American Geophysical Union, Ocean Sciences Meeting, February 2012.
- Fellow, Kava Bowl Ocean Summit, East West Center, University of Hawaii, June 2011.
- 12th Annual Roger Revelle Commemorative Lecture, Ocean Studies Board, The National Academies, March 2011.
- Louisiana Environmental Education Commission, governor-appointed, 2009 – present
- Marine Pollution Bulletin*, “Top-50 Most Cited Articles, 2005-2009
- Top Environmental Paper Award, *Environmental Science and Technology* for 2008
- Clarke Prize, National Water Resources Institute, July 2008
- Ruth Patrick Award, ASLO, American Society of Limnology and Oceanography, 2008
- Second Most Cited paper in *Estuaries*, 1985 – 2005
- Chair, Ocean Studies Board, National Research Council, 2002-2005
- Member, Ocean Studies Board, National Research Council, 2000-2005 Gulf Guardian Award, First Place, Individual, Gulf of Mexico Program, 2003
- B. K. Ketchum award, Woods Hole Oceanographic Institution, 2002
- National Associate, National Academies of Science, awarded December 2001, lifetime
- Blasker Award for Environmental Science and Engineering, 1999
- Aldo Leopold Leadership Program Fellow, 1999-present
- Fellow, American Association for the Advancement of Science, 1995