

NANCY N. RABALAIS
Executive Director and Professor

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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

Academic Affiliations

Louisiana State University, Department of Oceanography and Coastal Sciences, Adjunct
Nicholls State University, Department of Biological Sciences, Adjunct

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. In press. N and P phytoplankton growth limitation, northern Gulf of Mexico. *Aquatic Microbial Ecology*

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, SCOR Working Group #128 on Natural and Human-Induced Hypoxia and Consequences for Coastal Areas, 2006 – 2010.

Chair, National Sea Grant Advisory Board, 2012 – present, Vice Chair 2010-2011.

Member, National Sea Grant Advisory Board, 2008 – present

Member-at-Large UNOLS Council, University-Naval Oceanographic Laboratory System, 2007-2012.

Inside Trustee, Consortium for Ocean Leadership, 2008 – present Member, National Research Council, 10 Committees, 2005 – present.

President, former Member-at-Large and President-Elect, Executive Board, Southern Association of Marine Laboratories, 2007 – present

President-Elect, National Association of Marine Laboratories, 2011 – present

Advisor, Gulf of Mexico Large Marine Ecosystem program, 2009 – present

Member, Board of Directors, GCOOS, Gulf of Mexico Regional Association, 2005 – present

Invited participant, IOOS Symposium, Dulles, November 2012

Organize and lead panel on “The Role of Science in Restoration Planning,” for The Science of Ocean, Coastal, and Great Lakes Restoration, Ocean Leadership 2012 Public Policy, Washington, DC, March 2012.

N. N. Rabalais, D. Conley and F. Chan, co-chairs, special session, Ocean Deoxygenation and Coastal Hypoxia in a Changing World, Ocean Sciences Meeting, February 2012.

N.N. Rabalais and R. E. Turner, co-chairs, special session, Nutrient Limitation in River-Influenced Coastal Systems, American Society of Limnology and Oceanography, Puerto Rico, February 2011.

Member, Advisory Committee, NSF Environmental Research and Education directorate, 2007 – 2010.

Co-Chair, Gulf of Mexico Coastal Ocean Observing System-RA, HABIOS working group, 2007 – 2010

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Diving Experience

YMCA open water certification, 1969

AAUS member, 1989

DAN member 1995

NITROX certification, 2009

Dive Safety Board, 2005