

Curriculum Vitae, October 2016
JOHN ANDREW NYMAN
School of Renewable Natural Resources

Louisiana State University
Baton Rouge, LA 70803

phone: (225) 578-4220 e-mail: jnyman@lsu.edu and jnyman@lsuagcenter.lsu

Research Interests

My research spans many aspects of wetland ecology. Some of my interests are basic but many are associated with assumptions underlying wetland management and restoration. I am very interested in the role of vegetation in marsh vertical accretion, which allows coastal wetlands worldwide to gain the elevation needed to offset global sea-level rise and local subsidence. Microbiologically, I study factors controlling gross metabolic activity in soils (gross activity governs nutrient availability to plants among other things) and denitrification (denitrification removes nitrate, which is a nutrient and common pollutant). Botanically, I study the effects of hydrologic conditions and management on submersed and emergent wetland plants. Regarding wildlife, I study relationships among wetland restoration, wildlife, and vegetation. Regarding systems ecology, I study roles of vegetation in nitrogen budgets and roles of hydrological conditions and habitat change on carbon and nutrient cycling. I apply my research, and research from other workers and disciplines, when I help state and federal agencies select, plan, monitor, and manage wetland restoration projects. These activities also illustrate useful skills for students planning to work for engineering and consulting firms, for management and regulatory agencies, or for non-governmental organizations active in resource conservation.

Teaching Goals

I base my evolving teaching strategy on Professional Development Seminars offered by the LSU's Center for Faculty Development, the LSU College of Agriculture's Annual Teaching Conference, my experience as a student, and advice from recent graduates. I'm interested in teaching future environmental professionals as well as voters and activists because I hope to improve environmental decision making. None-the-less, a Teaching Perspectives Inventory (see <http://www.teachingperspectives.com/>) indicated that "Transmission" was the only dominant perspective and "Social Reform" was the only recessive perspective in my teaching. I believe those results reflect my attempts to emphasize student understanding of ecosystem dynamics while minimizing my values. I teach facts and terminology by lecturing; I teach relationships and complexity by initiating discussions based on readings and field trips. I also want to teach students to be life-long learners, which I believe requires that students see me learn and occasionally see me struggle to learn. This can make a bad impression on sophomoric minds but I believe is effective in the end. I also want to teach students to be life-long teachers, which I believe requires that students see me question and modify the instructional tactics that I use with students, professionals, and the general public.

Teaching Perspectives Profile (March, 2005):

Transmission: 38, Apprenticeship: 35, Development: 31, Nurturing: 28, Social Reform: 25.

Teaching Perspective Profile (April 2011)

Transmission: 39, Apprenticeship: 36, Development: 33, Nurturing: 24, Social Reform: 19.

TABLE OF CONTENTS

HISTORY OF ASSIGNMENTS AND EDUCATION	
1. History of Assignments	4
2. Education	4
RESEARCH ACTIVITIES	
1. Listing of research publications	5
Edited Books	5
Peer-reviewed articles and chapters	5
Miscellaneous	10
2. Listing of other publications accepted for publication but not yet published.....	11
3. Other creative and artistic contributions.....	11
4. Participation in other professional meetings, workshops, and conferences	11
Professional Meetings Organized	11
Talks and Posters Presented	12
5. Other Scholarly or creative activities or other contributions to the Profession	22
Membership in Professional Organizations	22
6. Other awards, lectureships, or prizes that show recognition of scholarly achievement	23
7. Research Support/Grant Activities: Recently funded proposals	23
8. Theses/dissertations directed	25
9. Major Areas of Research Interest	26
10. Outreach	26
11. Cooperative/collaborative efforts with other faculty	26
12. Community Involvement as it relates to Renewable Natural Resources	26
13. Overall Program Impact	26
SERVICE ACTIVITIES	
1. Organizations Advised	28
2. Recruitment of Students and Faculty	28
3. University Service	28
4. Professional Service	29
Advisory Boards	29
Journals edited, manuscripts referred, books and proposals reviewed	29
5. Other External Service	30
Invited presentations regarding regional environmental issues	30
TEACHING ACTIVITIES	
1. Documentation of teaching activities	31
Teaching History and Evaluations	31
Graduate Committees	35
Graduate Committees Chaired, Louisiana State University	35
Graduate Committees Chaired, University of Louisiana at Lafayette	36
Graduate Committees Served, Louisiana State University	36
Graduate Committees Served, University of Louisiana at Lafayette	38
2. Participation in professional meetings, workshops, and conferences on teaching	39

3. Other instructional activities or contributions to the profession.	39
New teaching methods/material developed	39
New Courses Developed	39
New Area of Concentration Developed	40
New Minor Developed	40
4. Awards, lectureships, or prizes.	40
5. Teaching+ support/grant activities	40

HISTORY OF ASSIGNMENTS AND EDUCATION

1. History Of Assignments

Professor (2012-present). School of Renewable Natural Resources, LSU Agricultural Center and Louisiana State University, Baton Rouge, LA 70803. Research (60%) in wetland wildlife ecology and teaching (40%) in graduate and undergraduate programs in wildlife science and wetland ecology and management.

Associate Professor (2006 - 2012). School of Renewable Natural Resources, LSU Agricultural Center and Louisiana State University, Baton Rouge, LA 70803. Research (60%) in wetland wildlife ecology and teaching (40%) in graduate and undergraduate programs in wildlife science and wetland ecology and management.

Assistant Professor (2001 –2006). School of Renewable Natural Resources, LSU Agricultural Center and Louisiana State University, Baton Rouge, LA 70803. Research (60%) in wetland wildlife ecology and teaching (40%) in graduate and undergraduate programs in wildlife science and wetland ecology and management.

Research Associate (1994-2000), Department of Biology, University of Southwestern Louisiana, P.O. Box 42451, Lafayette, LA 70504-2451. Independently developed a 100%, externally funded program to support salary, conduct research, and train graduate students in the ecology and management of wetlands. Contribute to education of graduate and undergraduate students.

Research Associate II, III (1988- 1994), Wetland Biogeochemistry Institute, Louisiana State University, Baton Rouge LA 70803-7511. Plan, design, and conduct ecological research in wetlands; communicate research results.

Research Assistant (1987-1988), School of Forestry, Wildlife, and Fisheries, Louisiana State University, Baton Rouge LA 70803. (20 hr/week). Study the effects of waterfowl management on aquatic vegetation, emergent vegetation, and marsh loss. Also assist with alligator tagging, aerial counting of alligator nests, waterfowl use surveys, nutria food habit studies, etc.

Wildlife Specialist II (1985-1987), Louisiana Department of Wildlife and Fisheries, 2415 Darnell Road, New Iberia 70560, LA. Work 8-day shifts at the remote Pass A Loutre Wildlife Management Area, which lies at the very end of the Mississippi River. Enforce hunting and boating regulations. Monitor sulfur mining and oil/gas mining for compliance with pollution regulations. Collect environmental data. Assist biologists from various agencies collect environmental data. Maintain numerous small boats, a crew boat, and an airboat.

2. Education

Ph.D. with a major in Oceanography and Coastal Studies, minor in Wildlife, 1993. Louisiana State University. Baton Rouge, Louisiana. Major Professor: W.H. Patrick, Jr. Dissertation: Soil processes related to wetland loss in coastal Louisiana.

M.S. with a major in Wildlife, 1989, Louisiana State University. Baton Rouge, Louisiana. Major Professor: R.H. Chabreck. Thesis: Some effects of weir-management on vegetation and marsh loss, Marsh Island, Louisiana.

B.S. with a major in Biological Sciences, 1984, University of New Orleans, New Orleans, Louisiana

6 hours, Center for Faculty Development, Louisiana State University, 1993-1994.

RESEARCH ACTIVITIES

1. Listing of Research Publications

Edited works

- Ford, M., and J.A. Nyman. 2011. Interactions among rivers, floodplains, and coastal areas examined at the Atchafalaya River. *Special Section of Hydrobiologia* 658:1-66.
- Rozas, L.P., J.A. Nyman, C.E. Proffitt, N.N. Rabalais, D.J. Reed, and R.E. Turner (editors). 1999. Recent research in coastal Louisiana: Natural system function and response to human influences. Louisiana Sea Grant College Program, Baton Rouge, Louisiana. 304pp.

Peer-reviewed journal articles, proceedings articles, and book chapters (71)

Peer-reviewed journal articles

51. Rietl, A.J., J.A. Nyman, C.W. Lindau, and C.R. Jackson. In press. Gulf ribbed mussels (*Geukensia granosissima*) increase methane emissions from a coastal *Spartina alterniflora* marsh. *Estuaries and Coasts*.
50. Tobias, V.D., and J.A. Nyman. In press. Leaf tissue indicators of flooding stress in the above- and below-ground biomass of *Spartina patens*. *Journal of Coastal Research*. <http://dx.doi.org/10.2112/JCOASTRES-D-15-00142.1>
49. Nyman, J.A. and C.W. Lindau. 2016. Nutrient availability and flooding stress interact to affect growth and mercury concentration in *Taxodium distichum* (L.) Rich. seedlings. *Environmental and Experimental Botany* 125:77-86. DOI 10.1016/j.envexpbot.2016.02.004
48. Rietl, A.J., M.E. Overlander, J.A. Nyman, and C.R. Jackson. 2015. Microbial community composition and extracellular enzyme activities associated with *Juncus roemerianus* and *Spartina alterniflora* vegetated sediments in Louisiana saltmarshes. *Microbial Ecology*. 71:290-303. DOI 10.1007/s00248-015-0651-2
47. Williamson, M.F., V.D. Tobias, and J.A. Nyman. 2014. Effects of freshwater and nutrient input on chemical concentrations in *Spartina alterniflora* (Loisel). *Communications in Soil Science and Plant Analysis* 45:925-933 DOI: 10.1080/00103624.2013.867052
46. Burcham, A.K., J.H. Merino, T.C. Michot, and J.A. Nyman. 2014. Arbuscular mycorrhizae occur in common *Spartina* species. *Gulf of Mexico Science* 2012:14-19.
45. Ialeggio, J.S., and J.A. Nyman. 2014. Nutria grazing preference as a function of fertilization. *Wetlands* 34:1039–1045. DOI 10.1007/s13157-014-0557-7
44. Tobias, V.D., M.F. Williamson, and J.A. Nyman. 2014. A comparison of the elemental composition of leaf tissue *Spartina patens* and *Spartina alterniflora* in Louisiana's coastal marshes. *Journal of Plant Nutrition*. 37:1327-1344. DOI: 10.1080/01904167.2014.881871.
43. Scaroni, A.E., Y. Siyuan, C.W. Lindau, and J.A. Nyman. 2014. Nitrous oxide emissions from soils in Louisiana's Atchafalaya River Basin. *Wetlands* 34:545-554. DOI 10.1007/s13157-014-0521-6.
42. Nyman, J.A. 2014. Integrating Successional Ecology and the Delta Lobe Cycle in wetland research and restoration. *Estuaries and Coasts*. 37:1490–1505. DOI 10.1007/s12237-013-9747-4.
41. Marti, M.E., W.J. Colonna, P. Patra, H. Zhang, C. Green, G. Reznik, M. Pynn, K. Jarrell, J.A. Nyman, P. Somasundaran, C.E. Glatz, and B.P. Lamsal. 2014. Production and

- characterization of microbial surfactants for potential use in oil-spill remediation. *Enzyme and Microbial Technology* 55:31-39.
40. Morris, J.T., G.P. Shaffer, and J.A. Nyman. 2013. Brinson Review: perspectives on the influence of nutrients on the sustainability of coastal wetlands. *Wetlands* 33:975-988. DOI: 10.1007/s13157-013-0480-3.
 39. Kuhl, A.J., J.A. Nyman, M.D. Kaller, and C.C. Green. 2013. Dispersant and salinity effects on weathering and acute toxicity of South Louisiana Crude oil. *Environmental Toxicology and Chemistry* 32:2611-2620.
 38. Nyman, J.A., D.M. Baltz, M.D. Kaller, P.L. Leberg, C. Parsons Richards, R.P. Romaine, and T.M. Soniat. 2013. Likely changes in habitat quality for fish and wildlife in coastal Louisiana during the next 50 years. *Journal of Coastal Research Special Issue* 67:60-74. DOI: 10.2112/SI_67_5.
 37. Lindau, C.W., A.E. Scaroni, V.H. Rivera-Monroy, and J.A. Nyman. 2011. Comparison of ¹⁵N₂ Flux and Acetylene Inhibition Denitrification Methods in Atchafalaya River Basin Sediments. *Journal of Freshwater Ecology* 26: 337-334 DOI: 10.1080/02705060.2011.557480
 36. O'Connell, J.L., and J.A. Nyman. 2011. Effects of marsh pond terracing on coastal wintering waterbirds before and after Hurricane Rita. *Environmental Management* 48:975-984. DOI 10.1007/s00267-011-9741-1
 35. Ford, M., and J.A. Nyman. 2011. Preface: an overview of the Atchafalaya River. *Hydrobiologia*. 658:1-5. DOI: 10.1007/s10750-010-0469-3
 34. Scaroni, A.E., J.A. Nyman, and C.W. Lindau. 2011. Comparison of denitrification characteristics among three habitat types of a large river floodplain; Atchafalaya River Basin, Louisiana. *Hydrobiologia*. 658:17-25. DOI: 10.1007/s10750-010-0471-9
 33. Scaroni, A.E., C.W. Lindau, and J.A. Nyman. 2010. Spatial variability of sediment denitrification across the Atchafalaya River Basin, Louisiana, USA. *Wetlands*. 30:949-955. DOI: 10.1007/s13157-010-0091-1
 32. O'Connell, and J.A. Nyman. 2010. Marsh terraces in coastal Louisiana increase marsh edge and densities of waterbirds. *Wetlands*. 30:125-135. DOI: 10.1007/s13157-009-0009-y
 31. Merino, J., D. Huval, and A.J. Nyman. 2010. Implication of nutrient and salinity interaction on the productivity of *Spartina patens*. *Wetlands Ecology and Management* 18:111-117. DOI: 10.1007/s11273-008-9124-4
 30. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2010. Improving marsh restoration: leaf tissue chemistry identifies factors limiting production in *Spartina patens*. *Plant Ecology*. 207:141-148. DOI: 10.1007/s11258-009-9660-x
 29. Nyman, J.A., M.K. La Peyre, A. Caldwell, S. Piazza, C. Thom, C. Winslow. 2009. Defining restoration targets for water depth and salinity in wind-dominated *Spartina patens* (Ait.) Muhl. coastal marshes. *Journal of Hydrology* 376:327-336. DOI: 10.1016/j.jhydrol.2009.06.001
 28. Lindau, C.W., R.D. DeLaune, A.E. Scaroni and J.A. Nyman. 2008. Denitrification in cypress swamp within the Atchafalaya River Basin, Louisiana. *Chemosphere* 70:886-894. DOI 10.1016/j.chemosphere.2007.06.084
 27. La Peyre, M.K., B. Gossman, and J.A. Nyman. 2007. Assessing functional equivalency of nekton habitat in enhanced habitats: Comparison of terraced and unterraced marsh ponds. *Estuaries and Coasts* 33:526-536.

26. Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 2007. Effects of chemical additives on hydrocarbon disappearance and biodegradation in freshwater marsh microcosms. *Environmental Pollution* 149:227-238. DOI: 10.1016/j.envpol.2006.12.028
25. Kanouse, S., M.K. La Peyre, and J.A. Nyman. 2006. Nekton use of *Ruppia maritima* and non-vegetated bottom habitat types within brackish marsh ponds. *Marine Ecology Progress Series* 327:61-69. DOI: 10.3354/meps327061
24. Nyman, J.A., R.J. Walters, R.D. DeLaune, and W.H. Patrick, Jr. 2006. Marsh vertical accretion via vegetative growth. *Estuarine Coastal and Shelf Science* 69:370-380. DOI: 10.1016/j.ecss.2006.05.041
23. Merino, J.H., J.A. Nyman, and T. Michot. 2005. Effects of season and marsh management on submersed aquatic vegetation in coastal Louisiana brackish marsh ponds. *Ecological Restoration* 23:235-243. DOI:10.3368/er.23.4.235
22. La Peyre, M.K., C.S. Bush Thom, C. Winslow, A. Caldwell and J. A. Nyman. 2005. Comparison of seed bank size and composition in fringing, restored, and impounded marsh in southwest Louisiana. *Southeastern Naturalist* 4:273-286. DOI: 10.1656/1528-7092(2005)004[0273:COSBSA]2.0.CO;2
21. Bush Thom, C.S., M.K.G. La Peyre, and J.A. Nyman. 2004. Evaluation of nekton use and habitat characteristics of restored Louisiana marsh. *Ecological Engineering* 23:63-75. DOI: 10.1016/j.ecoleng.2004.06.012
20. DeLaune, R.D, J.C. Callaway, W.H. Patrick, Jr., and J.A. Nyman. 2004. An analysis of marsh accretionary processes in Louisiana coastal wetlands. *Geoscience and Man* 38:129-146.
19. Klerks, P.L., J.A. Nyman, and S. Bhattacharyya. 2004. Relationship between hydrocarbon measurements and toxicity to a chironomid, fish larvae, and daphnid for oils and oil spill chemical treatments in laboratory freshwater marsh microcosms. *Environmental Pollution* 129:345-353. DOI: 10.1016/j.envpol.2003.12.001
18. Bhattacharyya, S., P.L. Klerks, and J.A. Nyman. 2003. Toxicity to freshwater organisms from oils and oil spill chemical treatments in laboratory microcosms. *Environmental Pollution* 122:205-215. DOI: 10.1016/S0269-7491(02)00294-4
17. Steyer, G.D., CE. Sasser, J.M. Visser, E.M. Swenson, J.A. Nyman, and R.C. Raynie. 2003. A proposed coast-wide reference monitoring system for evaluating wetland restoration trajectories. *The Journal of Environmental Monitoring and Assessment* 81:107-117. DOI: 10.1023/A:1021368722681
16. Pezeshki, S.R., M.W. Hester, Q. Lin, and J.A. Nyman. 2000. The effects of oil spill and clean-up on dominant US Gulf Coast marsh macrophytes: a review. *Environmental Pollution* 108:129-139. DOI: 10.1016/S0269-7491(99)00244-4
15. Nyman, J.A. and R.D. DeLaune. 1999. Potential impacts of global sea-level rise on coastal marsh stability. *Current Topics in Wetland Biogeochemistry* 3:112-117.
14. Nyman, J.A. 1999. Effects of crude oil and chemical additives on metabolic activity of mixed microbial populations in fresh marsh soils. *Microbial Ecology* 37:152-162. DOI: 10.1007/s002489900139
13. Nyman, J.A., and R.H. Chabreck. 1996. Some effects of 30 years of weir management on coastal marsh aquatic vegetation and implications to waterfowl management. *Gulf of Mexico Science* 1:16-25.

12. Callaway, J.C., J.A. Nyman, and R.D. DeLaune. 1996. Sediment accretion in coastal wetlands: a review and a simulation model of processes. *Current Topics in Wetland Biogeochemistry* 2:2-23.
11. Nyman, J.A., C.R. Crozier, and R.D. DeLaune. 1995. Roles and patterns of hurricane sedimentation in an estuarine marsh landscape. *Estuarine Coastal and Shelf Science* 40:665-679. DOI: 10.1006/ecss.1995.0045
10. Nyman, J.A., R.D. DeLaune, S.R. Pezeshki, and W.H. Patrick, Jr. 1995. Organic matter fluxes and marsh stability in a rapidly submerging estuarine marsh. *Estuaries* 18:207-218. DOI: 10.2307/1352631
9. Crozier, C.R., J.A. Nyman, and R.D. DeLaune. 1994. Symbiotic N fixation by *Vigna luteola*, a legume of low-salinity Gulf coast marshes. *Northeast Gulf Science* 13:145-147.
8. DeLaune, R.D., J.A. Nyman, and W.H. Patrick, Jr. 1994. Peat collapse, ponding, and wetland loss in a rapidly submerging coastal marsh. *Journal of Coastal Research* 10:1021-1030.
7. Pardue, J.H., R.D. DeLaune, W.H. Patrick, Jr., and J.A. Nyman. 1994. Treatment of alligator farm wastewater using land application. *Aquacultural Engineering* 13:129-145.
6. Nyman, J.A., M. Carlross, R.D. DeLaune, and W.H. Patrick, Jr. 1994. Erosion rather than plant dieback as the mechanism of marsh loss in an estuarine marsh. *Earth Surface Processes and Landforms* 19:69-84. DOI: 10.1002/esp.3290190106
5. Nyman, J.A. R.D. DeLaune, H.H. Roberts, and W.H. Patrick, Jr. 1993. Relationship between vegetation and soil formation in a rapidly submerging coastal marsh. *Marine Ecology Progress Series* 96:269-279. DOI: 10.3354/meps096269
4. Nyman, J.A., R.H. Chabreck, and N. Kinler. 1993. Some effects of herbivory and 30 years of weir management on emergent vegetation in a brackish marsh. *Wetlands* 13:165-175.
3. Nyman, J.A. and R.D. DeLaune. 1991. CO₂ emission and soil Eh responses to different hydrological conditions in fresh, brackish, and saline marsh soils. *Limnology and Oceanography* 36:1406-1414.
2. Nyman, J.A., R.H. Chabreck, and R.G. Linscombe. 1990. Effects of weir management on marsh loss, Marsh Island, Louisiana USA. *Environmental Management* 14:809-814. DOI: 10.1007/BF02394175
1. Nyman, J.A., R.D. DeLaune, and W.H. Patrick, Jr. 1990. Wetland soil formation in the rapidly subsiding Mississippi River Deltaic Plain: mineral and organic matter relationships. *Estuarine, Coastal and Shelf Science* 31:57-69. DOI: 10.1016/0272-7714(90)90028-P

Peer-reviewed book chapters

11. Nyman, J. A, and C. C. Green. 2015. A Brief review of the effects of oil and dispersed oil on coastal wetlands including suggestions for future research. Pages 113-132 *In: Alford, J.B., C. C. Green, and M. S. Peterson, (eds.), Impacts of oil spill disasters on North American marine fisheries and their habitats.* CRC Press, Boca Raton, Florida. ISBN13:978-1-4665-5720-8
10. Morris, J.T., J.A. Nyman, and G.P. Shaffer. 2014. The influence of nutrients on the coastal wetlands of the Mississippi Delta. Pages 111-124 *In J.W. Day, A.M. Freeman, G.P. Kemp, and D.P. Muth. Springer Science + Business Media.* DOI 10.1007/978-94-017-8733-8. ISBN 978-94-017-8732-1.
9. Gray, M.J., H.M. Hagy, J.A. Nyman, and J.D. Stafford. 2013. Management of wetland for wildlife. Pages 121-180 *In J.T. Anderson and C.A. Davis 9eds. Wetland Techniques:*

- volume 3: applications and management. Springer Science + Business Media Dordrecht. DOI 10.1007/978-94-007-6907-6_4
8. Nyman, J.A. and R.H. Chabreck. 2012. Managing Coastal Wetlands for Wildlife. pages 133-156 In N.J. Silvy (editor) The Wildlife Techniques Manual. 7th edition, volume 2. ISBN-13: 978-4214-0159-1
 7. Nyman, J.A. 2011. Ecological functions of wetlands. pages 115-128 In B. La Page (editor) Wetlands: Integrating Multidisciplinary Concepts. Springer Science. ISBN 978-94-007-0550-0
 6. Keddy, P.A., L. Gough, J.A. Nyman, T. McFalls, J. Carter, and J. Siegrist. 2009. Alligator hunters, pelt traders, and runaway consumption of Gulf Coast marshes: a trophic cascade perspective on coastal wetland losses. pages 115- 133 In B.R. Silliman, E.D. Grosholz, and M.D. Bertness (editors) Human Impacts on Salt Marsh: a Global Perspective. University of California Press. ISBN 978-0-520-25892-1
 5. Faulkner, S.P., J.L. Chambers, W.H. Conner, R.F. Keim, J.W. Day, E.S. Gardiner, M.S. Hughes, S.L. King, K.W. McLeod, C.A. Miller, J.A. Nyman, and G.P. Shaffer. 2007. Conservation and Use of Coastal Wetland Forests in Louisiana. P. 447-460 in: W.H. Conner, T.W. Doyle, and K.W. Krauss (editors), The Ecology of Tidal Freshwater Swamps of the Southeastern United States. Springer. The Netherlands. ISBN 978-9048172825
 9. Keim, R.F., J. L.Chambers, M. S.Hughes, J.A. Nyman, C.A. Miller, J.B. Amos, W.H. Conner, J.W. Day, Jr. S.P. Faulkner, E.S. Gardiner, S.L. King, K.W. McLeod, and G.P. Shaffer. 2006. Ecological consequences of changing hydrological conditions in wetland forests of coastal Louisiana. pages 383-396 In Y. J. Xu and V. P. Singh (eds). 2006. Coastal Environment and Water Quality. 519pp. Water Resources Publications LLC, Highlands Ranch, Colorado, USA ISBN 1-887201-47-5.
 8. Chambers, J.L, R.F. Keim, W.H. Conner, John W. Day, Jr., S.P. Faulkner, E.S. Gardiner, M.S. Hughes, S.L. King, K.W. McCleod, C.A. Miller, J.A. Nyman, and G.P. Shaffer. 2005. Conservation of Louisiana's coastal wetland forests. pages 117-135 In T.F. Shupe and M.A. Dunn (eds.) Proceedings of Louisiana Natural Resources Symposium. LSU AgCenter, Baton Rouge, LA. ISBN 0-9763632-1-6
 2. Chabreck, R.H., and J.A. Nyman. 2005. Management of coastal wetlands. Pages 839-860 in C.E. Braun, editor Techniques for wildlife investigations and management. Sixth Edition. The Wildlife Society, Bethesda, Maryland, USA. ISBN 9780933564152
 1. Pezeshki, S.R., R.D. DeLaune, J.A. Nyman, J. Catallo, C.A. Ochs, S.A. Milburn, J. M. Melack, L. Mertes, L. Hess, and B. Forsberg. 2003. Wetland Biogeochemistry. pages 125-156 In: M.M. Holland, E. Blood, and L.R. Shaffer, (eds.) Achieving sustainable freshwater systems, Island Press, Washington. ISBN 1-55963-929-6

Peer-reviewed proceedings articles

9. Nyman, J.A. 2002. Nutrient storage rates in a natural marsh receiving waste water. pages 135-139 In M.M. Holland, M.L. Warren, and J.A. Stanturf (eds.) Proceedings of a conference on sustainability of wetlands and water resources: How well can riverine wetlands continue to support society into the 21st Century? U.S.D.A. Forest Service, Southern Research Station, Asheville, North Carolina.
8. Nyman, J.A., and R.H. Chabreck. 1995. Fire in coastal marshes: history and recent concerns. pages 135-141 In S.I. Cerulean and R.T. Engstrom (eds.). Proceedings 19th Tall Timbers Fire

- Ecology Conference- Fire in wetlands: a management perspective. Tall Timbers Research, Inc. Tallahassee, Florida.
7. Pezeshki, S.R., R.D. DeLaune, J.A. Nyman, R.R. Lessard, and G.P. Canevari. 1995. Removing oil and saving oiled marsh grass using a shoreline cleaner. Proceedings of the 1995 Oil Spill Conference. American Petroleum Institute, Washington, D.C. 1995:203-209.
 6. Nyman, J.A. and R.D. DeLaune. 1993. A preliminary comparison of vegetation and soil in healthy and deteriorating brackish marsh, Marsh Island, Louisiana. pages 313-322 In W.M. Wise (editor). Proceedings of the twelfth International Conference of the Coastal Society, San Antonio, TX. The Coastal Society, Gloucester, Massachusetts.
 5. Nyman, J.A., M. Carloss, R.D. DeLaune, and W.H. Patrick, Jr. 1993. Are landscape patterns related to marsh loss processes? pages 337-348 In O.T. Magoon et al. (eds.) Coastal Zone '93, Proc. 8th Symposium Coastal Ocean Manage. Am. Soc. Civil Engineers. New York.
 4. Nyman, J.A., R.H. Chabreck, R.D. DeLaune, and W.H. Patrick, Jr. 1993. Submergence, salt-water intrusion, and managed Gulf Coast Marshes. Coastal Zone '93. pages 1690-1704 In O.T. Magoon et al. (eds.) Coastal Zone '93, Proc. 8th Symposium Coastal Ocean Manage. Volume II. Am. Soc. Civil Engineers. New York.
 3. Nyman, J.A., R.D. DeLaune, W.H. Patrick, Jr., and H.H. Roberts. 1993. Relationships among vegetation, mineral sediments, and vertical accretion in coastal marshes. pages 166-169 In M.C. Landin (editor). Wetlands: Proceeding of the 13th Annual Conference of the Society of Wetland Scientists, New Orleans, Louisiana. South Central Chapter of the Society of Wetland Scientists, Utica, Mississippi, USA. 990 pp.
 2. Nyman, J.A., and R.D. DeLaune. 1991. Mineral and organic matter accumulation rates in coastal deltaic marshes and their importance to landscape stability. pages 166-170 In Coastal Depositional Systems of the Gulf of Mexico: Quaternary Framework and Environmental Issues. 12th Annual Research Conference Gulf Coast Section Society of Economic Paleontologists and Mineralogists Foundation. Earth Enterprises, Austin, Texas.
 1. Chabreck, R.H., and J.A. Nyman. 1989. The effects of weirs on plants and wildlife in the coastal marshes of Louisiana. pages 142-150 in W.G. Duffy and D. Clark (eds.). Marsh management in coastal Louisiana: effects and issues--proceedings of a symposium. U.S. Fish and Wildlife Service and Louisiana Department of Natural Resources. U.S. Fish and Wildlife Service Biol. Rep. 89(22). 378 pp.

Miscellaneous

7. Nyman, A. 2006. Afraid to learn the answer. Society of Wetland Scientists Bulletin 23(2):14-18.
6. Chambers, J.L., W.H. Conner, J.W. Day Jr., S.P. Faulkner, E.S. Gardiner, M.S. Hughes, R.F. Keim, S.L. King, K.W. McLeod, C.A. Miller, J.A. Nyman, G.P. Shaffer. 2005. Conservation, Protection and Utilization of Louisiana's Coastal Wetland Forests. Final Report to the Governor of Louisiana from the Coastal Wetland Forest Conservation and Use Science Working Group. 102pp.
5. Foret, J.D., J.A. Nyman, L.P. Rozas, K.A Rose, J.H. Cowan, and D. Baltz. 2004. Habitat Use Module. Louisiana Coastal Area - Ecosystem Restoration Study, Volume 4, Appendix C, Chapter 10. U.S. Army Corps of Engineers, New Orleans District.
4. Nyman, J.A. and M.G.K. La Peyre. 2002. High hopes for marsh terraces as a small-scale wetland restoration tool in coastal Louisiana. The Wildlife Society Restoration Working Group Newsletter. Fall 2002.

3. Restore America's Estuaries. 2002. A national strategy to restore America's estuaries. Arlington, VA. 162 pp. (Contributing Author).
2. Downer, C.W., R. DeLaune, and J.A. Nyman. 1995. Characteristics and long-term sedimentation patterns of wetlands constructed in the fluctuation zone of Granada Lake, Mississippi. Technical Report WRP-SM-7, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
1. Reed, D.J., and J.A. Nyman. 1995. Impact of hydrological modification. pages 99-128 In D.J. Reed (ed.) Status and trends of hydrological modification, reduction in sediment availability, and habitat/loss modification in the Barataria-Terrebonne estuarine system. BTNEP Publication No. 20, Barataria-Terrebonne National Estuary Program, Thibodaux, Louisiana, 338 pp. plus Appendices.

2. Listing of other publications accepted for publication but not yet published

none

3. Other creative and artistic contributions

not applicable

4. Participation in other Professional Meetings, Symposia, Workshops, and Conferences

Professional meetings organized

19. Wetland Assimilation Workshop. 25-26 Oct., 2016. I helped organize this workshop, which was sponsored by the Lake Pontchartrain Basin Foundation. Hammond, LA.
18. Conservation and Management of Tidal and Non-tidal Wetlands for Fish and Wildlife in the Face of Changing Environmental Conditions. 16-19 Oct., 2016. I helped organize this symposium, which was held within the annual meeting of the Southeastern Association of Fish and Wildlife Agencies. Baton Rouge, LA.
17. Annual meeting of the Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. I organized this meeting in 2016, which was held in Baton Rouge, LA and attended by over 80 people.
16. I was on the Organizing Committee and co-chair of the Technical Program Committee that oversaw the 2016 international meeting of the Society of Wetland Scientists.
15. Annual meeting of the Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. I organized this meeting in 2015, which was held in Baton Rouge, LA and attended by over 100 people.
14. Annual meeting of the Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. I organized this meeting in 2014, which was held in Baton Rouge, LA and attended by over 100 people.
13. Annual meeting of the Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. I organized this meeting in 2013, which was held in Baton Rouge, LA and attended by over 100 people.
12. Effects of changes in sea-level and freshwater inflow on wildlife use of coastal wetlands. 1-7 June, 2013, Duluth Minnesota. I organized this symposium, which was held during the annual International Meeting of the Society of Wetland Scientists.

11. State of the Coast. 8-10 June, 2010, Baton Rouge, Louisiana. I was on the steering committee and the program committee.
10. First Symposium of the Wildlife Section of the Society of Wetland Scientists: Connections Among Wetlands, Wildlife, and Agriculture. 24 June, 2009, Madison, Wisconsin. I initiated this Section within the Society of Wetland Scientists and was a co-organizer of its first Symposium.
9. Chenier Plain Symposium. 8-9 January, 2009, Lake Charles, Louisiana. This meeting was designed to mimic the success of a similar meeting the previous year but to focus on the Chenier Plain of Louisiana and southeast Texas. I helped plan the technical program.
8. Ecosystem Functions and the Dynamic Atchafalaya River from the Old River Control Structure to the Continental Shelf. 10-11 January, 2008, Baton Rouge, Louisiana. I initiated this meeting, solicited a co-sponsor (Coalition to Restore Coastal Louisiana) and worked with a small committee to schedule and advertise the meeting. I arranged the technical program and organized a special section of *Hydrobiologia* based on the meeting.
7. Annual Fall Meeting of the South Central Chapter of the Society of Wetland Scientists, October, 2006, Vicksburg, Mississippi. As President, I worked with the local host to arrange to schedule and advertise the meeting. I also arranged the technical program.
6. Restoring Greenspace. 17-18 May, 2005. New Orleans, Louisiana Wildlife Habitat Council. I was invited to organize and lead a breakout session on restoring wetlands in coastal areas.
5. Coastal Restoration Enhancement through Science and Technology (CREST), July 2003. Thibodaux, Louisiana. Duties: As member of the CREST Technical Board, I helped plan the technical agenda and select speakers.
4. Annual Meeting of the Society of Wetland Scientists, June 2003, New Orleans, Louisiana. As a member of the Executive Board of the host chapter, I assisted with funding, the social, and led an aerial field trip.
3. Annual Fall Meeting of the South Central Chapter of the Society of Wetland Scientists, October, 2002, Baton Rouge, Louisiana. As meeting host, I arranged meeting space, conference hotel, advertisement, technical program, social event, registration, call for abstracts, selection of speakers, etc.
2. 2000 Spring Meeting of the American Geophysical Union. I co-organized a session within Biogeosciences titled "Interactions between coastal ecosystems and sea-level changes."
1. Recent Research in Coastal Louisiana, 1998. As a member of the Organizing Committee, I helped arrange meeting space, conference hotel, advertisement, agenda, selection of abstracts, review of papers, and edit of accepted papers. I co-edited the resulting Sea Grant publication (Rozas, et al. 1999, Recent research in coastal Louisiana: Natural systems function and response to human influences, Louisiana Sea Grant College Program, Baton Rouge, Louisiana).

Talks presented: 97 (presenter's name is underlined):

International

14. Nyman, J.A. and C.W. Lindau. 2014. Effects of nutrient availability and flooding stress on growth and mercury accumulation in a wetland tree. US-China International Workshop on Key Processes and Regulation of Wetland Ecosystems. Baton Rouge, LA. 10-12 November 2014.

13. (invited) Nyman, J.A. 2013. Predicted Changes in Habitat Quality for Fish and Wildlife in Louisiana Coastal Wetlands during the Next 50 Years. International Forum on Wetland Ecosystems and Services. Chinese Academy of Sciences. Changchun, China. 28 July – 3 August, 2013.
12. (invited) Nyman, J.A. and O’Connell. 2011. Managing edge to improve habitat quality for waterbirds in fresh and non-fresh wetlands. Joint Meeting of the Society of Wetland Scientists, WETPOL, and Wetland Biogeochemistry Institute. Prague, Czech Republic. 3-9 July, 2011.
11. (invited) Nyman, J.A. 2011. Balancing scientific advocacy and objectivity does not preclude expressing opinions but does require advocating objectivity. Joint Meeting of the Society of Wetland Scientists, Intecol, and Wetland Biogeochemistry Institute. Prague, Czech Republic. 3-9 July, 2011.
10. Scaroni, A.E., J.A. Nyman, R.F. Keim, C.W. Lindau, R.D. DeLaune. 2008. Potential for Nutrient Removal by a Large River Floodplain; Atchafalaya River Basin, Louisiana, USA. 8th INTECOL (International Congress on Ecology): International Wetlands Conference, Cuiaba, Mato Grosso, Brazil, July 20-25, 2008
9. Nyman, J.A. and S.K. King. 2006. Potential whooping crane habitat at Marsh Island wildlife refuge, Louisiana. 10th North American Crane Workshop, Zacatecas, Zacatecas, Mexico, 7-10 February, 2006.
8. Nyman, J.A., R.J. Walters, R.D. DeLaune, and W.H. Patrick, Jr. 2004. Marsh vertical accretion via vegetative growth. AGU Chapman Conference on salt marsh geomorphology: physical and ecological effects on landform. Halifax, Nova Scotia, Canada. 9-13 October, 2004.
7. Nyman, J.A., and D. Huval. 2003. Nutrient availability and salinity stress interact to affect growth of the emergent plant *Spartina patens* Ait muhl. Eighth International Symposium on Biogeochemistry of Wetlands. Gent, Belgium. 14-17 September, 2003.
6. Nyman, J.A, and P.L. Klerks. 2001. Some Effects of Petroleum Hydrocarbons on Wetlands and Suggested Response Actions. 24th Arctic and Marine Oilspill (AMOP) Technical Seminar. Edmonton, Alberta, Canada. 12-14 June, 2001.
5. Nyman, J.A. 2000. Permanent nutrient burial rates in an estuarine wetland. Quebec 2000: Millennium Wetland Event. Quebec, Canada, 6-12 August, 2000.
4. Foret, J.D., J.A. Nyman, and R.R. Twilley. 2000. Nutrient limitations of *Spartina patens* tidal marshes on the Chenier Plain, Louisiana. Quebec 2000: Millennium Wetland Event. Quebec, Canada, 6-12 August, 2000.
3. Hunter, J., and J. Nyman. 2000. SAV dynamics in a brackish marsh: season, herbivory, management. Quebec 2000: Millennium Wetland Event. Quebec, Canada, 6-12 August, 2000.
2. Foret, J.D., R.R. Twilley, J.A. Nyman, and J.R. Meriwether. 1997. Soil formation, nutrient storage, and marsh vertical accretion in a hydrologically manipulated tidal salt marsh of the Chenier Plain, Louisiana. Fifth Symposium on Biogeochemistry of Wetlands. Virginia Water, Surrey, U.K. 16-19 September, 1997.
1. (invited) Nyman, J.A., and R.D. DeLaune. 1997. Potential impacts of global sea-level rise on coastal marsh stability. Fifth Symposium on Biogeochemistry of Wetlands. Virginia Water, Surrey, U.K. 16-19 September, 1997.

United States of America

46. Nyman, J.A. and C.W. Lindau. 2016. Some effects of nutrient availability and flooding stress on growth and mercury concentration in a wetland tree. Annual Meeting of the Society of Wetland Scientists. Corpus Christi, TX. 31 May – 5 June 2016.
45. (invited) Nyman, J.A. 2015. Integrating ecology and geology to predict effects of restoration and tomrs on deltaic wetlands. 23rd Biennial Conference of the Coastal Estuarine and Research Federation. Portland, OR. 8-12 Nov. 2015.
44. Nyman, J.A., D.M. Baltz, M.D. Kaller, P.L. Leberg, C. Parsons Richards, R.P. Romaine, and T.M. Soniat. 2015. Fifty years of change in habitat quality for fish and wildlife in coastal Louisiana. Annual Meeting of the Society of Wetland Scientists. Providence, RI. 31 May – 4 June 2015.
43. Green, C.C., B.D. LeBlanc, J.A. Nyman, Heidi Olivier, B. Wagoner. 2015. Surfactants in wetlands: how oil spills and consumer products affect wetland flora and fauna. Annual Meeting of the Society of Wetland Scientists. Providence, RI. 31 May – 4 June 2015.
42. Nyman, J.A., D.M. Baltz, M.D. Kaller, P.L. Leberg, C. Parsons Richards, R.P. Romaine, and T.M. Soniat. 2014. Models to Predict the Effects of Coastal Restoration in Louisiana on Fish and Wildlife. Conference on Ecological and Ecosystem Restoration. New Orleans, LA. 28 July – 1 August, 2014.
41. Shaffer, G.P., J.T. Morris , Eva Hillmann , and J.A. Nyman. 2014. The influence of nutrients on the sustainability of coastal wetlands. Conference on Ecological and Ecosystem Restoration. New Orleans, LA. 28 July – 1 August, 2014.
40. (invited) Nyman, J.A. 2014. Building terraces to create coastal wetland edge habitat. Joint Aquatic Sciences Meeting, Society of Wetland Scientists Meeting. Portland, OR. 18–23 May 2014.
39. (invited) Nyman, J.A. , D.M. Baltz , M.D. Kaller , P.L. Leberg , C. Parsons Richards , R.P. Romaine and T.M. Soniat. 2013. Models to Predict the Effects of Coastal Restoration in Louisiana on Fish and Wildlife. Conference on Ecological and Ecosystem Restoration. New Orleans, LA. 28 July – 1 August, 2014.
38. (invited) Nyman, J.A. 2013. Building terraces to create coastal wetland edge habitat. Annual Meeting of the Society of Wetland Scientists. Portland, OR. 18-23 May, 2014.
37. (invited) Nyman, J.A. 2013. Classifying the consequences of sea-level rise and marine intrusion on coastal wetlands. Annual Meeting of the Society of Wetland Scientists. Duluth, MN. 2-6 June, 2013.
36. Scaroni, A.E., J.A. Nyman, R.D. DeLaune, and C.W. Lindau. 2013. Habitat change in the Atchafalaya River Basin alters nutrient inputs to the Gulf of Mexico. Association for the Sciences of Limnology and Oceanography 2013 Aquatic Sciences Meeting. New Orleans, Louisiana. 17-22 February 2013.
35. Nyman, J.A. B.P. Lamsal, M.E. Marti, W.J. Colonna, P. Patra, C. Green, A.J. Kuhl, K. Jarrell, P. Somasundaran, C.E. Glatz. 2013. Microbial biosurfactants for potential use in oil-spill remediation. 2013 Gulf of Mexico Oil Spill and Ecosystem Science Conference. New Orleans, LA. 21-23 January 2013.
34. (invited) Nyman, J.A. 2012. Restoring wetland wildlife value. 22nd Annual Clean Gulf Conference. New Orleans, Louisiana. 13-15 November 2012.
33. Nyman, J.A. 2012. Predicting the effects of hurricane protection and wetland restoration projects on fish and wildlife. 9th Intecol International Wetlands Conference and 33rd international meeting of the Society of Wetland Scientists. Orlando, Florida. 3-8 June 2012.

32. Nyman, J.A. 2011. Sea level change, vertical accretion, and soil strength in Louisiana coastal marshes. 21st Biennial Conference of the Coastal and Estuarine Research Federation. Daytona Beach, Florida. 6-10 November 2011.
31. Zhang, H., and J.A. Nyman. 2011. Acute toxicity of Surfactin, FA-Glu and COREXIT to larvae of Gulf killifish, *Fundulus grandis*. 21st Biennial Conference of the Coastal and Estuarine Research Federation. Daytona Beach, Florida. 6-10 November 2011.
30. Nyman, J.A. 2011. Lessons learned, from 30 years of research by numerous investigators, regarding marsh vertical accretion. 45th Annual Meeting for the South-Central Section of the Geological Society of America. New Orleans, Louisiana. 28-29 March 2011.
29. (invited) Nyman, J.A. 2010. Response of Louisiana coastal wetlands to relative sea-level rise. Sea Level Rise Technical Workshop Habitat Conservation and Restoration Team (HCRT), Gulf of Mexico Alliance, St. Petersburg, Florida, November 3-4, 2010.
28. (invited) Nyman, J.A. 2010. Effects of crude oil on emergent wetland plants and of dispersed oil on wetland soil microbial activity, nekton and benthos. Long-Term Monitoring of Coastal Ecosystem Responses to the Deepwater Horizon Oil Spill. Tallahassee, FL. 10-12 September, 2010.
27. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2009. Developing indicators of flooding stress in *Spartina patens* to improve marsh restoration and management. Coastal and Estuarine Research Federation 20th Annual Meeting. Portland, Oregon. 1-5 November, 2009.
26. Tobias V.D., Nyman J.A., DeLaune R.D., and Foret J.D. 2009. Higher ground: reduced flooding improves *Spartina patens* production in Louisiana's coastal marshes. Society of Wetland Scientists International Conference. Madison, Wisconsin, 21-26 June, 2009.
25. Nyman J.A., and M.K. La Peyre. 2009. Defining restoration targets for water depth and salinity in wind-dominated *Spartina patens* (Ait.) muhl. coastal marshes. Society of Wetland Scientists International Conference. Madison, Wisconsin. 21-26 June, 2009.
24. Kolker, A.S., M.A. Allison, K.A. Butcher, R.W. Fulweiler, S. Green, J Nittrouer, J.A. Nyman, and B. Rosenheim. 2008. The Mississippi River Flood of 2008: Sediment Dynamics and Implications for Coastal Restoration. 2008 Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM. Houston, TX, 5-9 October, 2008.
23. O'Connell, J. and J. Nyman. Waterbird use of terraced vs. untterraced ponds in coastal Louisiana. Ecological Society of America 2006 Annual Meeting, Memphis, Tennessee. 6-11 August, 2006.
22. (invited) Nyman, J.A. 2008. Four scenarios of the spatial extent of coastal marsh to global sea-level rise. Society of Wetland Scientists International Conference. Washington, D.C., 26-30 May, 2008.
21. Nyman, J.A., J.H. Merino, and D.L. Huval. 2008. Limiting factors of *Spartina patens* I: Implication of nutrient and salinity interaction to coastal restoration. Society of Wetland Scientists International Conference. Washington, D.C., 26-30 May, 2008.
20. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2008. Limiting factors of *Spartina patens* II: Stochiochemistry of *Spartina patens* leaf tissue as a restoration planning and management tool. Society of Wetland Scientists International Conference. Washington, D.C., 26-30 May, 2008.
19. Williamson, M.F., V.D. Tobias, and J.A. Nyman. 2008. Chemical concentration in *Spartina alterniflora* from sites in coastal Louisiana wetlands that differ in freshwater and nutrient

- inputs. Society of Wetland Scientists International Conference. Washington, D.C., 26-30 May, 2008.
18. King, S.K., and J.A. Nyman. 2007. Integrating wildlife ecology into wetlands ecology courses. 2007 Society of Wetland Scientists International Conference. Sacramento, California. 10-15 June, 2007.
 17. O'Connell, J.L., and J.A. Nyman. 2007. Coastal marsh restoration using terraces: effects on waterbirds in Louisiana's Chenier Plain. 2007 Society of Wetland Scientists International Conference. Sacramento, California. 10-15 June, 2007.
 16. Nyman, J.A. and R.R. Twilley. 2007. Effects of riverine influences on soil organic matter decomposition in Louisiana coastal marshes dominated by *Spartina patens* (Ait.) Muhl. 10th International Symposium on Wetland Biogeochemistry. Annapolis, Maryland, 1-4 April, 2007.
 15. (invited) Nyman, J.A. 2007. Challenges to Conserving Texas Coastal Marshes: global sea-level rise and increasing marine influence. Texas Chapter of the American Fisheries Society Annual Meeting. Lake Jackson, Texas, 2-4 March, 2007.
 14. Nyman, J.A., R.D. DeLaune, C.W. Lindau, and R. Keim. 2006. Effects of restoration and habitat change on carbon and nutrient retention in the Atchafalaya River Basin. South Central Chapter of the Society of Wetland Scientists Annual Fall Meeting, Vicksburg, Mississippi, 5-7 October, 2006.
 13. (invited) Kanouse, S., J.A. Nyman and M. La Peyre. 2003. Nekton growth in two brackish marsh habitats in Louisiana. Estuarine Research Federation International Meeting. September 15-19, 2003, Seattle, WA.
 12. Bush, C.S., M.K.G. La Peyre, and J.A. Nyman. 2002. Can fish habitat be restored using terraces and coconut mats in Louisiana marshes? Society of Wetland Scientists 23rd Annual Conference. Lake Placid, New York. 2-7 June, 2002.
 11. Huval, D.L., and J.A. Nyman. 2002. Effects of nutrient additions on salinity stress in *Spartina patens*. Society of Wetland Scientists 23rd Annual Conference. Lake Placid, New York. 2-7 June, 2002.
 10. Melancon, G., J.A. Nyman, T.C. Michot, and J.D. Foret. 2002. Extensive dieback of non-saline coastal marshes in Louisiana, 1999-2001. Society of Wetland Scientists 23rd Annual Conference. Lake Placid, New York. 2-7 June, 2002.
 9. Nyman, J.A., and P.L. Klerks. 2001. Some effects of petroleum hydrocarbons on wetland plants, microbes, and animals. Estuarine Research Federation 16th Biennial Conference. 4-8 November, 2001. St. Petersburg, Florida.
 8. Nyman, J.A. 2000. Nutrient storage in an estuarine marsh. Sustainability of wetlands and water resources, How well can riverine wetlands continue to support society into the 21st century? Oxford, MS. 23-25 May, 2000.
 7. Nyman, J.A. Does coastal wetland loss affect nutrient availability in coastal waters? American Geophysical Union 2000 Spring Meeting. Washington, D.C. 30 May - 3 June, 2000.
 6. Nyman, J.A., and T.E. McGinnis. 1999. Optimizing crude oil disappearance and disturbance to soil microbial activity. Wetlands and Remediation, an International Conference. Salt Lake City, Utah. 16-17 November, 1999.
 5. Nyman, A., and T.E. McGinnis, II. 1999. Effects of crude oils on metabolic activity of soil biota in saline soils. Sixth Symposium on Biogeochemistry of Wetlands. Fort Lauderdale, Florida, 14-11 July, 1999.

4. Foret, J.D., R.R. Twilley, and J.R. Meriwether, and J.A. Nyman. 1998. Response of vertical accretion and nutrient accumulation rates to hydrologic manipulations in the marshes of the Chenier plain. 19th Annual Meeting of the Society of Wetland Scientists. Anchorage, Alaska.
3. McGinnis, T. E., II, and J. A. Nyman. 1997. Factors associated with soil strength and effectiveness of management efforts to slow wetland loss in a Louisiana brackish marsh. 18th Annual Meeting of the Society of Wetland Scientists. Bozeman, Montana.
2. Nyman, J.A., and R.H. Chabreck. 1995. Fire in coastal marshes: history and recent concerns. 19th Tall Timbers Fire Ecology Conference- Fire in wetlands: a management perspective. Tallahassee, Florida.
1. (invited) Nyman, J.A., and R.D. DeLaune. 1993. Case study of a rapidly submerging coastal environment: relationships among vertical accretion, carbon Cycling, and marsh loss in Terrebonne Basin, Louisiana. The Hilton Head Island South Carolina, U.S.A. International Coastal Symposium.. June 1993.

Louisiana and Regional

47. (invited) Nyman, J.A. 2014. River diversions, disturbance, and the delta lobe cycle. Governor's Advisory Commission on Coastal Protection, Restoration, and Conservation. Baton Rouge, LA. 5 February, 2014.
46. (invited) Nyman, J.A. 2013. River diversions, disturbance, and the delta lobe cycle. Coastal Protection and Restoration Authority. New Orleans, LA. 14 November, 2013.
45. Nyman, J.A. 2013. River diversions, disturbance, and the delta lobe cycle. Louisiana Association of Professional Biologists. Baton Rouge, LA. 15-16 August, 2013.
44. Green, C., and J.A. Nyman. 2013. A brief review of the effects of oil and dispersed oil on coastal wetlands. Louisiana Natural Resources Symposium, Baton Rouge, LA. 1-2 August, 2013.
43. (invited) Nyman, J.A. 2011. Lessons Learned, from 30 Years of Research by Numerous Investigators, Regarding Marsh Vertical Accretion. 2011 Meeting of the South-Central Section of the Geological Society of America. New Orleans, Louisiana, 28-29 March, 2011.
42. (invited) Nyman, J.A. 2011. Effects of salinity and nutrients on plant growth and soils in Louisiana coastal marshes. Workshop on Response of Louisiana Marsh Soils and Vegetation to Diversions. NOAA and Louisiana Coastal Area Science & Technology Office. Lafayette, Louisiana, 23-24 February 2011.
41. (invited) Nyman, J.A. 2010. Research priorities for the northern Gulf Coast. Collaborative Scientific Research Opportunities Relative to the Gulf Oil Spill. Louisiana EPSCor and Louisiana Board of Regents. New Orleans, Louisiana. 1-2 November, 2010.
40. (invited) Ecosystems of Louisiana marshlands. Certified Marshland Prescribed Fire Burn Manager Workshop. LSU AgCenter. Grand Chenier, Louisiana. 11-13 October, 2010.
39. (invited) Caffey, R.H., J.A. Nyman, and F.D. Willis. 2010. The Role of Experts in Maritime Litigation: A Case Study on the Gulf Oil Spill. 17th Annual Admiralty Symposium, Louisiana State Bar Association. New Orleans, LA. 24 September, 2010.
38. Nyman, J.A. 2010. A Review of the Effects of Crude Oil on Marsh Vegetation and Soil Microbial Activity and Peek at Some Effects of the Current Spill. Louisiana Association of Professional Biologists, Lafayette, LA. 19-20 August 2010.
37. Chambers, J., R. Keim, and J.A. Nyman. 2010. Louisiana's coastal wetland forest: ecotourism/recreation magnet and tropical storm protector or disappearing ecosystem? State

- of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, LA. 8-11 June 2010.
36. Nyman, J.A. 2010. Marsh vertical accretion in coastal Louisiana: the state of our understanding after 30 years of research. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, LA. 8-11 June 2010.
 35. Scaroni AE, Nyman JA, Lindau CW, DeLaune RD, Keim RF. 2009. Potential for Nutrient Removal by a Large River Floodplain; Atchafalaya Basin, LA. Connecting Wetland Communities: A Graduate Student Symposium, Baton Rouge, LA. 14 November, 2009.
 34. (invited) Nyman, J.A. 2009. Overview of wetland functions. Lorman Seminar, Wetland Regulation in Louisiana, 29 October, 2009, Baton Rouge, Louisiana
 33. Tobias, V.D., J.A. Nyman, R.D. DeLaune, J.D. Foret. 2009. Higher ground: reduced flooding improves *Spartina patens* production in Louisiana's coastal marshes. Louisiana Association of Professional Biologists Meeting. Lafayette, Louisiana, 13-14 August, 2009.
 32. Nyman, J.A., and M.K. La Peyre. 2009. Defining restoration targets for flooding and salinity in Louisiana's intermediate and brackish marshes. Louisiana Association of Professional Biologists Meeting. Lafayette, Louisiana, 13-14 August, 2009.
 31. Nyman J.A., and M.K. La Peyre. 2009. Coastal marsh restoration using terraces. Chenier Plain Symposium, Lake Charles, Louisiana, 8-9 January, 2009.
 30. Kolker, A.S., M.A. Allison, K.A. Butcher, J.A. Nyman, and B. Rosenheim. 2008. Sediment dynamics during the Mississippi River Flood of the Spring of 2008: Implications for coastal restoration. Dynamics of the 2008 Lower Mississippi River Flood Conference. New Orleans, Louisiana, 17 October, 2008.
 29. Nyman, J.A., and T.E. McGinniss II. 2008. Marsh Loss Mechanisms where River Inflow is High and Subsidence is Slow: how Estuarine Marshes Can Erode even in The Virtual Absence of Wave and Tidal Energy. Ecosystem Functions and the Dynamic Atchafalaya River from the Old River Control Structure to the Continental Shelf. Baton Rouge, LA, 10-11 January 2008.
 28. Scaroni, A.E., J.A. Nyman, C.W. Lindau, R.D. DeLaune, and R.F. Keim. 2008. Identifying Controls on Nutrient Removal in the Atchafalaya River Basin, Louisiana. Ecosystem Functions and the Dynamic Atchafalaya River from the Old River Control Structure to the Continental Shelf. ; Baton Rouge, LA, 10-11 January 2008. 60. Scaroni, A.E., J.A. Nyman, and C.W. Lindau. 2007. Nutrient removal by habitat type in the Atchafalaya River Basin. 10th International Symposium on Wetland Biogeochemistry. Annapolis, Maryland, 1-4 April, 2007.
 27. (invited) Nyman J.A., A.E. Scaroni, C.W. Lindau, R.D. DeLaune, and R.F. Keim. 2007. Nutrient Removal by the Atchafalaya River Basin. Louisiana Water Quality Conference—Watershed Issues 2007. Lafayette, Louisiana, 29-31 October, 2007
 26. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2007. Application of leaf tissue chemistry to the identification of factors limiting biomass production in *Spartina patens* to improve restoration of coastal marshes. Louisiana Association of Professional Biologists. Lafayette, Louisiana. 9-10 August, 2007.
 25. (invited) Lindau, C., and A. Nyman. 2006. Water quality restoration in Atchafalaya River Basin cypress wwamp via denitrification. Lower Mississippi River Nutrient Symposium. New Orleans, Louisiana, 1-2 June, 2006.

24. Cannaday, C., and J.A. Nyman. 2006. The effect of terraces on Submersed Aquatic Vegetation in three southwest Louisiana marshes. Earthen Terraces: Status of the Technique. Baton Rouge, Louisiana, 12 April, 2006.
23. Bossman, B.P., M.K. La Peyre, and J.A. Nyman. 2006. Marsh Terracing as a restoration technique for creating nekton habitat. Earthen Terraces: Status of the Technique. Baton Rouge, Louisiana, 12 April, 2006.
22. O'Connell, J., and J.A. Nyman. 2006. Waterbird habitat use of terraced and unterraced ponds in coastal Louisiana. Earthen Terraces: Status of the Technique. Baton Rouge, Louisiana, 12 April, 2006.
21. Bordelon, S., D.G. Scognamillo, J.A. Nyman, and M.J. Chamberlain. 2006. White-tailed deer abundance and herbivory in a coastal bottomland hardwood forest. 29th Annual Meeting of the Southeast Deer Study Group, Baton Rouge, Louisiana, 26-28 February, 2006.
20. Nyman, J.A., and M.K. La Peyre. 2005. A review of the brief history of terraces. 2005 CREST Symposium: Progress in Understanding Coastal Land Loss and Restoration in Louisiana. Lafayette, Louisiana, April, 2005.
19. Klerks, P.L., J.A. Nyman & S. Bhattacharyya. 2005. Chemical additives in oiled freshwater laboratory microcosms: Toxicity to aquatic organisms, relationship between hydrocarbon measurements and toxicity, and the influence of chemical additives on hydrocarbon disappearance. 23rd Information Transfer Meeting of the Minerals Management Service, Kenner, Louisiana, January 11-13, 2005.
18. Bush, C.S., M.K.G. La Peyre, and J.A. Nyman. 2003. Nekton utilization of restored habitat in a southwest Louisiana marsh. Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003.
17. Caldwell, A.B., and J.A. Nyman. 2003. Terraces and coconut mats affect seeds and submerged aquatic vegetation at Sabine National Wildlife Refuge. Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003.
16. Kanouse, S.C., M.K.G. La Peyre, and J.A. Nyman. 2003. Linking fish and habitats: nekton use of three brackish marsh pond microhabitat types. Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003.
15. Winslow, C.J., J.A. Nyman, and B.C. Wilson. 2003. Do wintering waterfowl deplete food availability in fresh coastal marshes of Louisiana and Texas? Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003.
14. (invited) Nyman, J.A., A.K. Burcham, J.D. Foret, G. Melancon, T.C. Michot, and T.J. Schmidhauser. 2001. Preliminary studies of brown marsh in a Chenier Plain, *Spartina patens* Marsh. Coastal Marsh Dieback in the Northern Gulf of Mexico: Extent, Causes, Consequences, and Remedies. Baton Rouge, Louisiana. 11-12 January, 2001.
13. Nyman, J.A. 2000. Nutrient burial in Louisiana coastal wetlands. Environmental State of the State - V Conference. Baton Rouge, Louisiana. 16-17 November, 2000.
12. Nyman, J.A. 2000. Nutrient burial in Louisiana coastal wetlands. Environmental State of the State V. Baton Rouge, Louisiana, 16-17 November, 2000.
11. Hunter, J.J., and J.A. Nyman. 1999. Effects of season, waterfowl herbivory, and management on SAV abundance in a tidal, non-saline marsh. Estuarine Research Federation 15th Biennial International Conference. 25-30 September, 1999. New Orleans, Louisiana.
10. McGinnis II, T.E., and J.A. Nyman. 1999. Effect of crude oils on metabolic activity of soil biota in saline marsh soils. Estuarine Research Federation 15th Biennial International Conference. 25-30 September, 1999. New Orleans, Louisiana.

9. Mouton, E.C., and J.A. Nyman. 1999. Factors, including management, affecting flooding of tidal non-saline marsh in coastal Louisiana. Estuarine Research Federation 15th Biennial International Conference. 25-30 September, 1999. New Orleans, Louisiana.
8. Nyman, J.A. 1999. Determining if mineral or organic accumulation control marsh vertical accretion: a model and new technique. Estuarine Research Federation 15th Biennial International Conference. 25-30 September, 1999. New Orleans, Louisiana.
7. (invited) Nyman, J.A. R.D. DeLaune, and W.H. Patrick Jr. 1995. Marsh vertical accretion via vegetative growth. Geological Society of America Annual Meeting. New Orleans, Louisiana. November 1995.
6. Nyman, J.A., M. Carloss, R.D. DeLaune, and W.H. Patrick, Jr. 1993. Are landscape patterns related to marsh loss processes? 8th Symposium Coastal and Ocean Management. New Orleans, Louisiana. 19-23 July, 1993.
5. Nyman, J.A., R.H. Chabreck, R.D. DeLaune, and W.H. Patrick, Jr. 1993. Submergence, salt-water intrusion, and managed Gulf Coast Marshes. 8th Symposium Coastal and Ocean Management. New Orleans, Louisiana. 19-23 July, 1993.
4. Nyman, J.A. 1993. Organic matter accumulation controls vertical accretion in stable and deteriorating Louisiana coastal marshes. Second Symposium on Biogeochemistry of Wetlands. Baton Rouge, Louisiana, 22-24 February, 1993.
3. Nyman, J.A., R.D. DeLaune, W.H. Patrick, Jr., and H.H. Roberts. 1992. Relationships among vegetation, mineral sediments, and vertical accretion in coastal marshes. 13th Annual Conference of the Society of Wetland Scientists, New Orleans, Louisiana. 31 May-6 June, 1992.
2. (invited) Nyman, J.A. and R.D. DeLaune. 1991. CO₂ Emission and Soil Eh Responses to Different Hydrological Conditions in Fresh, Brackish, and Saline Marshes. Coastal Wetland Ecology and Management Symposium. New Orleans, Louisiana. December, 1991.
1. Chabreck, R.H., and J.A. Nyman. 1989. The effects of weirs on plants and wildlife in the coastal marshes of Louisiana. Marsh management in coastal Louisiana: effects and issues. U.S. Department of Interior and Louisiana Department of Natural Resources. Baton Rouge, Louisiana, 7-10 July, 1988.

Posters presented: 23 (presenter's name is underlined):

International

2. Scaroni, A.E., J.A. Nyman, and C.W. Lindau, R.D. DeLaune, and R. Keim. 2009. Potential for nutrient removal by a large river floodplain: Atchafalaya Basin, Louisiana, USA. 10th International Congress of Ecology. Brisbane, Australia. 16-21 August, 2009.
1. King, S.K., J.A. Nyman, and K.R. Hersey. 2006. Assessment of Whooping Crane habitat needs at White Lake, Louisiana: historic conditions and current questions. 10th North American Crane Workshop, Zacatecas, Zacatecus, Mexico, 7-10 February, 2006.

United States of America

13. Green, CG., B Leblanc, J.A. Nyman, H. Oliveri, and B. Wagner. 2015. Stumbling from lab to outreach: helping non-scientists ponder how oil spills and consumer products affect wetlands. 23rd Biennial Conference of the Coastal Estuarine and Research Federation. Portland, OR. 8-12 Nov. 2015.

12. Nyman, J.A., H. Zhang, C. Green, and A. Kuhl. 2013. Acute toxicity of surfactants and chemical products, including COREXIT, to larvae of Gulf killifish (*Fundulus grandis*). 2013 Deepwater Horizon Coastal Conference.
11. Nyman, J.A. 2012. Predicting the Effects of Hurricane Protection and Wetland Restoration Projects on American Alligators, Muskrats, and River Otters. 2012 State of the Coast Conference. New Orleans, Louisiana. 25-27 June, 2012.
10. Nyman, J.A. 2010. Defining Restoration Targets for Flooding and Salinity in Louisiana's Intermediate and Brackish Marshes. 2010 State of the Coast Conference. Baton Rouge, Louisiana. 8-10 June, 2010.
9. Nyman, J.A. 2009. Coastal marsh refuges, global sea-level rise, and salt-water intrusion. 63rd Annual Southeastern Association of Fish and Wildlife Agencies Conference. Atlanta, Georgia. 1-4 November, 2009.
8. Nyman, J.A., A.E. Scaroni, and V.D. Tobias. 2009. Wetland graduate training spans eight decades and 17 academic departments at LSU. Coastal and Estuarine Research Federation 20th Annual Meeting. Portland, Oregon. 1-5 November, 2009.
7. Scaroni AE, Lindau CW, Nyman JA. 2010. Comparing denitrification and nitrous oxide emissions within distinct habitat types across the Atchafalaya River Basin, Louisiana. Society of Wetland Scientists Annual Meeting, Salt Lake City, Utah. 27 June- 2 July 2010.
6. O'Connell, J.L., and J.A. Nyman. 2007. Coastal marsh restoration using terraces: effects on waterbirds in Louisiana's Chenier Plain. 61st Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. 21-24 October, 2007. Charleston, West Virginia.
5. Bordelon, S., and J.A. Nyman. 2005. Effects of white-tailed deer herbivory on the growth and survival of juvenile trees in a mature coastal wetland forest. Society of Wetland Scientists 26th Annual Meeting, Charleston South Carolina, June 5-10, 2005
4. Burcham, A.K., T.C. Michot, J.A. Nyman. 2002. The interactive effects of environmental stress and fungal infection on *Spartina alterniflora* dieback in coastal Louisiana. Society of Wetland Scientists 23rd Annual Conference. Lake Placid, New York. 2-7 June, 2002.
3. McMurray, M.P., M.T. Favalaro, J.M. Meriwether, J.A. Nyman, and R.R. Twilley. 2001. Effect of hydrologic manipulation on the accumulation of organic matter in brackish marshes, Chenier Plain, Louisiana. Estuarine Research Federation 16th Biennial Conference. 4-8 November, 2001. St. Petersburg, Florida.
2. Nyman, J.A. 2001. Are either nutrient storage in subsiding wetlands or nutrient release from eroding wetlands relevant to coastal eutrophication? Seventh Symposium on Biogeochemistry of Wetlands. Durham, North Carolina. 17-20 June, 2001.
1. Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 1999. Which hydrocarbon analyses best predicts toxicity of contaminated wetland soils? Wetlands and Remediation, an International Conference. Salt Lake City, Utah. 16-17 November, 1999.

Louisiana

9. Nyman, J.A. 2012. Predicting the Effects of Hurricane Protection and Wetland Restoration Projects on American Alligators, Muskrats, and River Otters. 2012 State of the Coast Conference, New Orleans, Louisiana. 25-27 June 2012.
8. La Peyre, M.K., and J.A. Nyman. 2010. Effects of terraces on marsh vegetation, coastal waterbirds and nekton. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, Louisiana. 8-11 June 2010.

7. Nyman, J.A. and M.K. LaPeyre. 2010. Defining Restoration Targets for Flooding and Salinity in Louisiana's Intermediate and Brackish Marshes. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, Louisiana. 8-11 June 2010.
6. Scaroni AE, Nyman JA, Linda CW, DeLaune RD, Keim RF. 2010. Estimating the Role of the Atchafalaya River Basin in Reducing Nutrient Discharge to the Gulf of Mexico. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, Louisiana. 8-11 June 2010.
5. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2010. Using Chemical Analysis of Marsh Grass to Improve Coastal Restoration. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, Louisiana. 8-11 June 2010.
4. Nyman J.A., M.K. La Peyre, A. Caldwell, S. Piazza, C. Thom, and C. Winslow. 2009. Restoration targets for water depth and salinity in coastal marshes dominated by *Spartina patens* (Ait.) Muhl. Chenier Plain Symposium, Lake Charles, Louisiana, 8-9 January, 2009.
3. Cannaday, C.D., B.P. Gossman, J.L. O'Connell, M.K. La Peyre, and J.A. Nyman. 2005. Effects of terraces on vegetation, nekton, and waterbirds. Progress in Understanding Coastal Land Loss and Restoration in Louisiana. Lafayette, Louisiana, April, 2005.
2. Burcham, A.K., T.C. Michot, J.A. Nyman. 2003. The interactive effects of environmental stress and fungal infection on *Spartina alterniflora* in coastal Louisiana. Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003. p
1. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret,. 2007. Effects of salinity and nutrients on the elemental composition of *Spartina patens* (Ait.) Muhl. leaves. 10th International Symposium on Wetland Biogeochemistry. Annapolis, Maryland, 1-4 April, 2007.

5. Other Scholarly or Creative Activities or Other Contributions to the Profession:

Membership in professional organizations

Society of Wetland Scientists

Executive Board Member 2006-2007

member 1993-present

South Central Chapter of the Society of Wetland Scientists:

Past-President, 2007-2008

President, 2006-2007

President-Elect 2005-2006

2003 International Meeting Planning Committee Member 2001-2003

Executive Board Member, 2000-2002, 2002-2004

The Wildlife Society, member

Past-President of the Louisiana Chapter, 2016-present

President of the Louisiana Chapter, 2015-2016

President-Elect of the Louisiana Chapter, 2013-2014

The Restoration Working Group of The Wildlife Society:

Executive Board Member from Southeastern Region, 2003-2005

Louisiana Association of Professional Biologists, member

Estuarine Research Federation, member

Gulf Estuarine Research Society, member

6. Other Awards, Lectureships, or Prizes that Show Recognition of Scholarly or Artistic Achievement

- Louisiana Wildlife Biologists Association. 2006 Outstanding Publication Award. In recognition of Chabreck, R.H., and J.A. Nyman. 2005. Management of coastal wetlands. Pages 839-860 in C.E. Braun, editor Techniques for wildlife investigations and management. Sixth Edition. The Wildlife Society, Bethesda, Maryland, USA.
- U.S. Army Corps of Engineers and the State of Louisiana. 2005. Team Achievement. In recognition of contributions to the completion of the Louisianan Coastal Area, Coastal Ecosystem Restoration Study.
- Coastal America. 2004. Partnership Award. In recognition of efforts to protect and restore Louisiana as a member of the Breaux Act Task Force, Academic Advisory Group.
- Louisiana Wildlife Biologists Association. Outstanding Publication Award. In recognition of Nyman, J.A., R.H. Chabreck, and N. Kinler. 1993 Some effects of herbivory and 30 years of weir management on emergent vegetation in a brackish marsh. Wetlands 13:165-175. 1994.

7. Research Support/Grant Activities: Proposals Funded Since 2001; \$2,535,101

34. Proposal to quantify nekton benefits of dredged material wetlands, 2016. Environmental Defense Fund. \$10,000.
33. Nyman, J.A. January 2015-December 2015. Support for CWPPRA's Environmental Workgroup by J.A. Nyman. \$20,000.
32. Nyman, J.A. and M.K. La Peyre. September 2014-August 2015. Proposal to Quantify the Nekton Benefits of Dredged Material Wetlands. \$44,926. National Audubon Society, Inc.
31. Nyman, J.A. January 2014-December 2014. Support for CWPPRA's Environmental Workgroup by J.A. Nyman. \$20,000.
30. Lamsal, B., J.A. Nyman, and P. Somasundaran. April 2012-March 2015. Producing and characterizing Bacillus subtilis biosurfactants with potentially lower environmental impacts for salt water applications. U.S. Environmental Protection Agency-Science to Achieve Results (STAR) Program. \$500,000 total, \$211,764 to LSU Agricultural Center.
29. Green, C., J.A. Nyman, F. Galvez, and G. Mayer. July 2011-June 2012. The influence of oil dispersants on the biodegradation of South Louisiana Crude Oil and the resulting toxicological, molecular and physiological effects on the Gulf killifish. \$249,265. BP Gulf Research Initiative, Competition 2 Administered by the Office of Research & Economic Development Louisiana State University.
28. Nyman, J.A. Proposal to collect seeds from black mangrove, grow seedlings until spring, and provide them for use in coastal wetland restoration in 2011. October 2010-June 2011. \$3,200. Coalition to Restore Coastal Louisiana.
27. Nyman, J.A. Coastal Science Assistantship Program. July 2011-June 2013. \$50,000. Louisiana Office of Coastal Protection and Restoration.
26. Nyman, J.A. July 2010 - December 2011. 2012 Master Plan Revision: Modeling Tools to Predict Effects of Coastal Protection and Restoration Projects Upper Trophic Level Module. \$135,830. Louisiana Office of Coastal Protection and Restoration.

25. Nyman, J.A. August, 2010-September, 2011. Indicators of nutrient limitation and flood stress in bald-cypress leaf tissue. \$99,490. Jesco Environmental and Geotechnical Services, Inc.
24. Nyman, J.A. September, 2010-August 2011. Collaborative Research: characterization of lipo-peptides for use as bio-dispersants to clean-up oil spills. \$79,080. National Science Foundation.
23. Nyman, J.A., and M. Huber. August, 2009-June, 2010. Louisiana black mangroves: insights into coastal environment and the implementation of the scientific method. \$1,600. LSU College of Agriculture Undergraduate Research Grant.
22. Nyman, J.A. August, 2009-September, 2010. Indicators of nutrient limitation and flood stress in bald-cypress leaf tissue. \$99,490. Jesco Environmental and Geotechnical Services, Inc.
21. Nyman, J.A. and M. Williamson. August, 2007-June 2008. Effects of riverine input on tissue content in *Spartina alterniflora*. \$2,000. LSU College of Agriculture Undergraduate Research Grant.
20. Nyman, J.A. July, 2008-June, 2011. Comparing Variability of C, N, and P storage in soils within and among habitats of coastal floodplains. \$117,390. Louisiana Board of Regents.
19. Nyman, J.A., R.D. DeLaune, and J.D. Foret. August, 2006-July, 2008. Developing a tool to map coastal wetlands affected and unaffected by freshwater introductions. \$68,023. Coastal Restoration Enhancement through Science and Technology (CREST) Program.
18. Nyman, J.A. July, 2006-September, 2007. In support of the Louisiana Coastal Protection And Restoration Project (LACPR) Programmatic Environmental Impact Statement (PEIS). \$33,486. U.S. Army Corps of Engineers.
17. Nyman, J.A. R.D. DeLaune, C.W. Lindau, and R. Keim. June 2006-September, 2006. Pilot Studies of Water Quality Restoration in Atchafalaya River Basin via Denitrification, Sedimentation, and Biomass Accumulation. \$72,000. U.S. Army Corps of Engineers.
16. Lindau, C.W., and J.A. Nyman. August, 2005- July, 2006. Denitrification potential of Atchafalaya River Basin Bottomland hardwood Forests and Cypress Swamps: backwater vs. river flooded. \$63,000. Louisiana Governor's Office of Coastal Activities Applied Research and Development Program.
15. Mesehle, E.A., J.A. McCorquodale, I. Georgious, J.A. Nyman, and E.H. Habib. August 2004-July 2006. Comprehensive water and sediment budget analysis for the Chenier Plain. \$202,609. Coastal Restoration Enhancement through Science and Technology (CREST) Program.
14. Nyman, J.A. September 2004 -August, 2006. Comparing waterbird density between unrestored coastal marshes and marshes restored with terraces. \$56,350. Gulf Coast Joint Venture.
13. Nyman, J.A. September 2003-December 2004. Assistance from the School of Renewable Natural Resources, LSU Ag Center to PPL-14 activities of the Coastal Wetland Planning and Restoration Act Task Force. \$2,478. Coastal Wetland Planning, Protection, and Restoration Act Task Force, Academic Advisory Group, Louisiana Universities Marine Consortium (LUMCON).
12. Nyman, J.A., and M.K. Le Peyre. August 2003-July 2005. Effectiveness of marsh terracing as a restoration technique: nekton habitat. \$60,973. Coastal Restoration Enhancement Through Science and Technology (CREST) Program.

11. Nyman, J.A. June 2003 through December 2005. Proposal to determine the effects of marsh terraces on the abundance of submersed aquatic vegetation. \$57,032. Louisiana Department of Wildlife and Fisheries.
10. Day, J.W, P. Kemp, V. Aravamuthan, D. Justic, H. Mashriqui, S. Moorthy, J Ko, C. Sasser, J. Visser, I. Mendelssohn, K. Rose, E. Swenson, J. Cowan, A. Nyman, I. Van Heerden, S.A. and Binselam. 2002-2004. Conceptual ecological models for planning and evaluating the Louisiana Area Restoration Plan. \$268,999. Louisiana Department of Natural Resources.
9. Nyman, J.A.. 2001-2004. Estimation of waterfowl food plant availability in freshwater marshes of the Gulf Coast Joint Venture Area. \$52,500. Gulf Coast Joint Venture.
8. Nyman, J.A., and M.K. Le Peyre. 2001-2003. Proposal to determine the effect of marsh terraces at Sabine National Wildlife Refuge on the abundance of submersed aquatic vegetation and fish. \$90,000 U.S Fish and Wildlife Service.
7. Nyman, J.A. 2003. Six weather-proof video camera and image storage devices with solar power. \$23,600. Louisiana State University AgCenter.
6. La Peyre, M.K., and J.A. Nyman. 2003. Comparing nekton growth rates between vegetated and unvegetated marsh ponds using enclosures. \$9,100. National Marine Fisheries Service.
5. Nyman, J.A. 2002. Obtain, compile and analyze water level, water salinity, and land loss data collected by CWPPRA Task Force to test for indicators of wetland loss. \$7,300 Coastal Wetland Planning, Protection, and Restoration Act Task Force, Academic Advisory Group, Louisiana Universities Marine Consortium (LUMCON).
4. Nyman, J.A., and M.K. La Peyre. 2002. Submerged aquatic vegetation: assessing fish community use and habitat linkage effects. \$12,000 Louisiana Department of Wildlife and Fisheries.
3. Nyman, J.A. 2002. Assistance from the School of Renewable Natural Resources, LSU Ag Center to PPL-12 activities of the Coastal Wetland Planning and Restoration Act Task Force. \$9,387 Coastal Wetland Planning, Protection, and Restoration Act Task Force, Academic Advisory Group, Louisiana Universities Marine Consortium (LUMCON).
2. Nyman, J.A. 2001-2002. Salinity at Marsh Island. \$10,480. Louisiana Department of Wildlife and Fisheries.
1. Nyman, J.A. 2001. Participate in planning activities of the CWPPRA Project List 11. \$3,513. Coastal Wetland Planning, Protection, and Restoration Act Task Force, Academic Advisory Group, Louisiana Universities Marine Consortium (LUMCON).

8. Theses/dissertations Directed (numbers only)

Louisiana State University

undergraduate honors thesis completed: 1

M.S. completed: 7

M.S. in progress: 3

Ph.D. completed: 2

Ph.D. in progress 1

University of Louisiana at Lafayette

M.S. completed: 3

9. Major Areas of Research Interest

My research spans many aspects of wetland ecology. Some of my interests are basic but many are associated with assumptions underlying wetland management and restoration. I am very interested in the role of vegetation in marsh vertical accretion, which allows coastal wetlands worldwide to gain the elevation needed to offset global sea-level rise and local subsidence. Microbiologically, I study factors controlling gross metabolic activity in soils (gross activity governs nutrient availability to plants among other things) and denitrification (denitrification removes nitrate, which is a nutrient and common pollutant). Botanically, I study the effects of hydrologic conditions and management on submersed and emergent wetland plants. Regarding wildlife, I study relationships among wetland restoration, wildlife, and vegetation. Regarding systems ecology, I study roles of vegetation in nitrogen budgets and roles of hydrological conditions and habitat change on carbon and nutrient cycling. I apply my research, and research from other workers and disciplines, when I help state and federal agencies select, plan, monitor, and manage wetland restoration projects. These activities also illustrate useful skills for students planning to work for engineering and consulting firms, for management and regulatory agencies, or for non-governmental organizations active in resource conservation.

10. Outreach – field days, trade shows, direct clientele contact

Co-Instructor, Marshland Burning Certification Workshops, 2010-present

11. Cooperative/Collaborative Efforts with Other Faculty

Thirteen of 34 funded research proposals involve other faculty (see section 7: project numbers 4, 6, 8, 10, 12, 15, 16, 17, 19, 29, 30, 32, and 34).

12. Community Involvement as it Relates to the University Mission

AmeriCorps Site Supervisor, America's Wetland Conservation Corps, 2007-2009.
Certified Hunter Safety Education Instructor. 2004 to present.

13. Overall Program Impact

Management and restoration of coastal marshes and bottomland hardwood forests is common in the southeastern United States with management being more common on publicly-owned lands and restoration being more common on privately-owned lands. Managers and restoration planners need to know why some wetland restoration and management techniques are more effective in some situations than in others. With my research, I try to help managers and restoration planners understand and better predict the effects of wetland management and restoration. The cost effectiveness of wildlife management and environmental restoration should improve as land managers more accurately predict the impacts of their efforts.

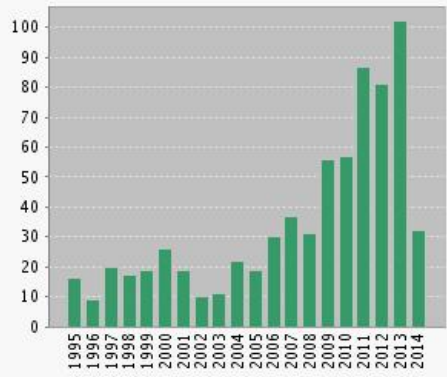


Figure 1. The number of times 33 of my peer-reviewed articles have been cited annually, as of April 2014, since my first publication in 1991.

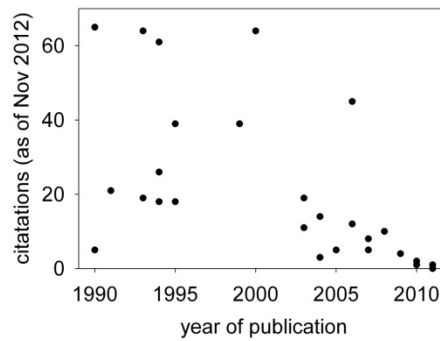


Figure 2. The number of times 31 of my peer-reviewed articles have been cited since they were published as of October 2013.

One indication of the impact of my research is citation of my research by fellow researchers. As of November 2012, the Web of Science recognized 31 of my 56 peer-reviewed publications (some were not recognized because they are book chapters; others because they are in journals that are too small or regional). The Web of Science recognized 661 citations (607 omitting self-citations) of those 31 publications. Data from Web of Science indicated that my work was cited with increasing frequency (Figure 1) but recent papers had not yet contributed many citations (Figure 2). The five most cited papers were cited 61 to 76 times. The average citation was 27.74 per publication. The h-index for these 31 publications was 14, which means that 14 had been cited at least 14 times. According to the Web of Science, the h-index is useful because it discounts the disproportionate weight of highly cited papers and the weight of papers that have not yet been cited. I am unaware of information that can be used to determine how these statistics compare to those of other faculty.

Another indication of the impact of my research can be found in the requests for information and advice that I receive from wetland managers and restoration planners. Some of these efforts are extensive enough that they require contractual agreements with the university, such as my current assistance with the Louisiana 2012 Master Plan for a Sustainable Coast. Others require only a presentation, email, or phone call. Until 2010, these requests focused on sea level rise and restoration in coastal wetlands but since then have been dominated by crude oil and dispersants. The applied impact of my research also is reflected in the Coastal America Partnership Award that I received for my work with the Breau Act Task Force's Academic Advisory Group in 2004; in the Team Achievement Award that I received from the US Army Corps of Engineers and the State of Louisiana for my contribution to the Louisiana Coastal Area, Louisiana Ecosystem Restoration Study in 2005; in my invitation from the Louisiana Department of Coastal Protection and Restoration to help them revise the models used to select restoration plans in 2009; and in my invitation from the Louisiana Department of Coastal Protection and Restoration to lead a group of fish and wildlife modelers within the effort to update the state's 2012 master plan for coastal protection and restoration. Recently, I've been invited to make numerous presentations regarding my studies of the way coastal wetlands respond to sea level rise and to oil spills.

SERVICE ACTIVITIES

1. Organizations Advised

Student Wetland Society at LSU.

2. Recruitment of Students and Faculty

Anthony J. Rietl (Ph.D. starting fall 2011)

James Ialeggio (M.S. starting fall 2011)

Vanessa Tobias (Ph.D. completed 2010).

Amy Scaroni (Ph.D. completed 2011)

Jessica O'Connell (M.S. completed 2006)

member of search committee for Wildlife Ecologist (filled August, 2003)

3. University Service

LSU A&M

LSU General Education Committee, member 2011-2014, Chair 2013-2014.

LSU Institutional Animal Care and Use Committee, 2011-2014.

LSU Faculty Senate, 2010 to 2013.

Author and proponent of petition to LSU Faculty Senate to replace the then current system of appointments with a new system of elections for members of the Graduate Council. Passed in spring 2010; currently being implemented.

Faculty Advisor to the Student Wetland Society at LSU. 2007-present

Student Recruiting, School of Renewable Natural Resources, Louisiana State University, 2003-present

Faculty Friend to the McVoy Hall community. Fall 2008.

New Degree Committee, School of Renewable Natural Resources, Louisiana State University, 2003-2004

Chancellor's Future Leaders in Research, faculty mentor for William Tujaegue, 2002-2003

LSU AgCenter

Graduate Education and Research Committee, School of Renewable Natural Resources, Louisiana State University, 2001-present. This committee considers applications to our graduate program.

Promotion and Tenure, School of Renewable Natural Resources, Louisiana State University, 2003-present

Seminar and Lecture, School of Renewable Natural Resources, Louisiana State University, 2003-present

Self-appointed spokesperson for efforts to construct Moist Soil Units in University Lake. In the fall of 2007, I corresponded with the USCOE and their consultant, and met with Directors, Deans, and Vice-Chancellors until the university, USCOE, and consultants working for USCOE agreed to incorporate a five-acre Moist Soil Unit into plans to restore University Lake.

Cooperative State Research, Education, and Extension Service (CSREES) Review of Research and Extension Self-Study Committee. I prepared the portion of the 200-page self-study document that dealt with wildlife research and extension. 2007-2008

Lee Memorial Forest, School of Renewable Natural Resources, LSU AgCenter, 2002-2004

White Lake Working Committee, Louisiana State University, 2002-2004

4. Professional Service

Advisory Boards

- Science Team of the Gulf Coast Prairie Landscape Conservation Cooperative. 2014 to present.
- Diversion Operations Expert Working Group. A group of scientists and engineers who advise the Environmental Defense Fund on developing an plan of operations for anticipated river diversion structures. 2015-2016.
- Coastal Protection and Restoration Authority: Science and Technical Working Group. 2011 to 2013.
- Science and Engineering Special Team. A group of scientists and engineers who advise the NGO community, especially Environmental Defense Fund, National Audubon Society, and National Wildlife Federation, dealing with coastal issues in Louisiana. 2010 to 2013.
- Horizon Oil Spill Science and Engineering Review Team (Horizon-SERT). An expert review panel convened to provide guidance and recommendation concerning plans and proposals to Louisiana Chief Trustee, OCPR, on Horizon Oil Spill Response and Recovery Coastal Wetland Planning Protection and Restoration Act Task Force. 2010
- Alternative Coastal Protection and Clean-up Technical Forum. National Incident Command, Environmental Protection Agency. 3 June 2010. New Orleans, Louisiana.
- Louisiana Office of Coastal Protection and Restoration: Coastwide Reference Monitoring System Analytical Team. 2006 to 2009.
- Coastal Wetland Forest Conservation and Use Task Force: Science Working Group. 2003-2005
- Coastal Restoration Enhancement through Science and Technology (CREST), Technical Board member, 2001-2008
- The Restoration Working Group, The Wildlife Society, Southeast Board Member, 2003-2005
- Congress on Building Capacity for Coastal Solutions. Renewable Natural Resources Foundation. Washington, D.C. 6-7 December, 2004. (Delegate)
- U.S. Department of the Interior, U.S. Fish and Wildlife Service, Lacassine National Wildlife Refuge, Biological Review. 2002.
- Restore America's Estuaries, National Strategy for Coastal Habitat Restoration Initial Working Group, member and contributing author (see <http://www.estuaries.org/>), 2000-2002.
- Coalition to Restore Coastal Louisiana 2001 Coastal Stewardship Awards, judge
- Coastal Fringe HGM Workshop, September, 1996.

Journals edited, manuscripts referred, books and proposals reviewed

Associate Editor for Wetlands, October 2011 to January 2014

Manuscript Reviewer for:

Ecological Engineering, Hydrobiologia, Wetlands, Catena, Journal of Soil and Water Conservation, Estuaries, Estuarine Coastal and Shelf Science, Proceedings of the Southeastern Association of Fish and Wildlife Agencies, Environmental Science and Technology.

Wetland Management Plan Reviewer for: CALFED Bay-Delta Program, U.S. Fish and Wildlife Service, U.S. Department of Defense.

Proposal Reviewer for: National Science Foundation Ecosystem Studies Program, Petroleum Research Atlantic Canada, NOAA National Ocean Service Coastal Ocean Program, Department of Defense Strategic Environmental Research and Development Program (SERDP), and California Sea Grant College Program, National Estuarine Research Reserve Program.

Co-editor for Current Topics in Wetland Biogeochemistry. 1994-1998 (this start up journal ceased publication after I resigned as co-editor)

5. Other external and community service: Invited Presentations by Management Agencies Regarding Regional Environmental Issues

River diversions, disturbance, and the Delta Lobe Cycle. Coastal Protection and Restoration Authority (Board). Baton Rouge, LA. 26 February 2014.

River diversions, disturbance, and the Delta Lobe Cycle. Governor's Advisory Commission on Coastal Protection, Restoration, and Conservation. New Orleans, Louisiana. 5 February 2014.

River diversions, disturbance, and the Delta Lobe Cycle. Coastal Protection and Restoration Authority (staff). Baton Rouge, LA. 14 November, 2013.

Marsh vertical accretion in coastal Louisiana. Sea Level Rise Technical Workshop, Habitat Conservation and Restoration Team (HCRT), Gulf of Mexico Alliance. November 3-4, 2010. St. Petersburg, Florida.

Research priorities for the northern Gulf Coast. Collaborative Scientific Research Opportunities Relative to the Gulf Oil Spill. Louisiana EPSCor and Louisiana Board of Regents. 1-2 November, 2010. New Orleans, Louisiana.

Diversions, marsh vertical accretion, and soil strength. Governor's Advisory Commission on Coastal Protection, Restoration, and Conservation. 14 October 2010. Baton Rouge, Louisiana.

Effects of crude oil on emergent wetland plants and of dispersed oil on wetland soil microbial activity, nekton and benthos. Long-term monitoring of Coastal Ecosystem Responses to the Deepwater Horizon Oil Spill. 10-12 September 2010. Tallahassee, Florida.

Alternative Coastal Protection and Clean-up Technical Forum. National Incident Command, Environmental Protection Agency. 3 June 2010. New Orleans, Louisiana.

Impacts of Freshwater Diversions on Coastal Wetlands. Coastal Protection and Restoration Authority of Louisiana, 17 January 2010, Baton Rouge, Louisiana.

Overview of wetland functions. Lorman Seminar, Wetland Regulation in Louisiana, 29 October, 2009, Baton Rouge, Louisiana

Dieback in brackish marshes. Coastal Marsh Dieback Conference, 11-12 January 2001 Baton Rouge, Louisiana.

Status and Trends of the Acadiana Bays, 22-23 April 2002, Baton Rouge, Louisiana.

TEACHING ACTIVITIES**1. Documentation of Teaching Activities**

Teaching Perspective Profile (April 2011)

Transmission: 39, Apprenticeship: 36, Development: 33, Nurturing: 24, Social Reform: 19.

Teaching Perspectives Profile (March, 2005):

Transmission: 38, Apprenticeship: 35, Development: 31, Nurturing: 28, Social Reform: 25.

Teaching History and Evaluations (grade distributions do not add to 100% because of student withdrawals)**RNR 1001, Natural Resource Conservation (3 credit hours)**

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '02	80	54	16	10	2	6	3.30	4.07

RNR 1002, Issues in Natural Resources Management (1 credit hour)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '04	8	100	0	0	0	6	4.39	4.12

RNR 2031, Principles of Wildlife Management (3 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
fall '01	61	43	18	12	5	5	4.03	4.08
spring '03	54	20	26	28	13	4	4.52	4.03
fall '03	34	44	31	16	9	0	4.47	4.12
spring '04	38	33	28	17	6	6	4.32	4.12
fall '04	23	39	26	17	9	9	4.70	4.09
fall '05	50	18	20	7	1	3	4.44	4.09
fall '06	31	31	41	25			4.27	4.03
spring '07	38	26	31	20	15	5	4.35	4.09
spring '08	57	39	26	13	10	5	4.43	4.01
spring '09	61						3.88	4.03
spring '10	56	25	31	18	3	6	4.31	4.06
spring '11	29	16	35	10	3		4.06	4.08
spring '13	52	31	36	24	7	2	4.17	3.87
spring '14	59	29	44	24	2	2		
spring '15	44	34	34	27		2		

RNR 2072, HONORS Principles of Wildlife Management (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '13	7	100					4.32	4.07
spring '14	9	88	12					

RNR 3018, Ecology of Louisiana Wildlife (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '05	24	71	25	0	0	0	3.81	4.10
spring '06	21							

RNR 3108, Case Studies in Habitat Restoration (2 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '06	9	78	12				4.41	4.03
spring '07	7	100						
spring '08	5	100						
spring '09							4.78	4.03
fall '10	5	100						
fall '11	9	100					4.07	4.15
spring '13	8	88	12					
spring '14	12	100						
spring '15	7	71	29					
spring '16	7	100					4.83	4.24

This course is field intensive and requires that students spend five days as the Pass A Loutre Wildlife Management Area, which lies as the very end of the Mississippi River.

RNR 4013, Ecology and Management of Wetland Wildlife (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
fall '10	14	28	36	36				
fall '12	15	13	67	20			4.40	4.11
fall '14	25							
fall '16	30							

RNR 4020, Taxonomy and Ecology of Wetland Plants (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
summer '09	6						n.a.	
summer '11	16						n.a.	
summer '13							n.a.	
spring '16	30	62	31		4		4.60	4.24

This course was offered as OCS 4001 (Special Topics in Oceanography and Coastal Sciences) the first time I taught it.

This course is taught at the Louisiana Universities Marine Consortium, which does not use the SPOT evaluations.

These enrollment numbers include all students; students from other universities also enroll.

RNR 4101, Integrated Natural Resources Management and Policy (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '05	13	85	8			8	4.39	4.10
spring '06	26	54	46				4.33	4.03
spring '07	21	46	54					
spring '08	26	50	27	15	8		3.10	4.01
spring '09	27						3.36	4.03
spring '10	34	71	26				3.61	4.06
spring '11	29	35	52	6			3.85	4.08
spring '12	38						3.51	3.90
fall '13	16							
fall '14	21							
fall '15	21	38	34	10				

RNR 7017, Restoration and Management of Wetland Functions (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
fall '02	11	100	0	0	0	0	4.18	4.03
fall '04	11	73	27	0	0	0	4.17	4.09
fall '06	7	100						
fall '07	8	75	25					
fall '09	9	88	22					
fall '11	8	100					4.31	4.15
fall '13	10							
fall '15	9	89	11					

This course was offered as RNR 7029 (Advanced Topics in Renewable Natural Resources) the first four times I taught it.

In addition to the courses noted above for which SPOT evaluations were available, the following courses were taught.

RNR 2061, Problems in Natural Resources Management

Fall 2004 (1 student, A)

Spring 2005 (1 student, A)

Fall 2005 (2 students, 1 A, 1 B)

HNRS 3991, Honors Thesis

Fall 2007 (1 student, A)

HNRS 3993, Honors Thesis

Spring 2008 (1 student A)

RNR 4061, Problems in Natural Resources Management

Fall 2002 (1 student, dropped)

Spring 2003 (1 student, A)

Spring 2005 (1 student, B)
Fall 2005 (2 students, 2 A's)
Summer 2007 (1 student, 1 A)

RNR 8000, Thesis Research,

Fall 2001:	2 students
Spring 2002:	2 students
Summer 2002:	2 students
Fall 2002:	3 students
Spring 2003:	4 students
Summer 2003:	5 students
Fall 2003:	5 students
Spring 2004:	3 students
Summer 2004:	3 students
Fall 2004:	3 students
Spring 2005:	3 students
Summer 2005:	3 students
Fall 2005:	2 students
Spring 2006:	2 students
Fall 2006	1 students
Fall 2009	1 student
Spring 2010	1 students
Fall 2010	1 student
Spring 2011	1 student

RNR 9000, Dissertation Research

Fall 2006	2 students
Spring 2007	2 students
Summer 2007	2 students
Fall 2007	2 students
Spring 2008	2 students
Fall 2008	2 students
Spring 2009	2 students
Fall 2009	2 students
Spring 2010	2 students
Fall 2010	1 student
Spring 2011	1 student

BIOL 101, Principles of Biology, University of Louisiana at Lafayette
Spring 1995, (166 students)

BIOL 121, Biological Principles and Issues, University of Louisiana at Lafayette
Spring 1995, (263 students)

BIOL 489, Topics in Marine Science: Wetland Biogeochemistry, Louisiana Universities Marine Consortium

Summer, 1996 (8 students)
Summer, 1997 (11 students)
Summer, 2000 (10 students)

Graduate Committees

Louisiana State University

Full Member of Graduate Faculty, 2006-present

Associate Member of Graduate Faculty, 2001-2006

University of Louisiana at Lafayette

Member of Graduate Faculty, 1995-2000, 2001-2006

Graduate committees chaired, Louisiana State University (14)

Scott Harlamert. in progress. M.S. Thesis.

Brett Patton. 2016. Living on the edge: an assessment of the habitat use of waterbirds in estuarine wetlands of Barataria Basin, LA. M.S. Thesis. <http://etd.lsu.edu/docs/available/etd-06222016-193523/>

Anthony Rietl. 2016. Vegetation influences microbial community structure and methane emissions in southeastern Louisiana wetlands. Ph.D. Dissertation. <http://etd.lsu.edu/docs/available/etd-04112016-150034/>

Lauren Sullivan. 2015. If you build it, what will come? Assessing the avian response to wetland restoration in the Mississippi River Bird's Foot Delta through multiple measures of density and biodiversity. M.S. Thesis. <http://etd.lsu.edu/docs/available/etd-07132015-015315/>

James Ialeggio. 2014. Some effects of nutrient and flooding stress manipulation on coastal Louisiana wetland vegetation. M.S. Thesis. <http://etd.lsu.edu/docs/available/etd-06102014-192930/>

Christina Leglue. 2012. Modeling gopher tortoise (*Gopherus polyphemus*) habitat in a fire-dependent ecosystem in north Florida. Masters Thesis. <http://etd.lsu.edu/docs/available/etd-05042012-104133/>

Amy Scaroni. 2011. The effect of habitat change on nutrient removal in the Atchafalaya River Basin. Ph.D. Dissertation. http://etd.lsu.edu/docs/available/etd-05202011-182552/unrestricted/Scaroni_Dissertation.pdf

Vanessa Tobias. 2010. Developing tools to identify factors that limit production in coastal marshes. Ph.D. Dissertation. http://etd.lsu.edu/docs/available/etd-07082010-102921/unrestricted/Tobias_Dissertation.pdf

Jessica O'Connell. 2006. Coastal marsh restoration using terraces: effects on waterbird habitat in Louisiana's Chenier Plain. Masters Thesis. http://etd.lsu.edu/docs/available/etd-11162006-111100/unrestricted/OConnell_thesis.pdf

Chris Cannaday, M.S. 2006. Effects of terraces on submersed aquatic vegetation. Masters Thesis. http://etd.lsu.edu/docs/available/etd-06032006-113117/unrestricted/Cannaday_thesis.pdf

Seth Bordelon. 2005. Effects of white-tailed deer herbivory on forest regeneration at Jean Lafitte National Historical Park and Preserve. Masters Thesis. http://etd.lsu.edu/docs/available/etd-10212005-130147/unrestricted/Bordelon_thesis.pdf

- Barrett K. Fortier. 2004. Mortality of pen-raised white-tailed deer (*Odocoileus virginianus*) released on three areas in Louisiana. Masters Thesis. http://etd.lsu.edu/docs/available/etd-04152004-114153/unrestricted/Fortier_thesis.pdf
- Aaron Caldwell. 2003. Effects of marsh terraces on submersed aquatic vegetation. Masters Thesis. http://etd.lsu.edu/docs/available/etd-0625103-110131/unrestricted/Caldwell_thesis.pdf
- Christian Winslow. 2003. Estimation of waterfowl food plant availability in freshwater marshes of Gulf Coast Joint Venture Area. Masters Thesis. http://etd.lsu.edu/docs/available/etd-1111103-154448/unrestricted/Winslow_thesis.pdf

Graduate committees chaired, University of Louisiana at Lafayette (3)

- Joy J. Hunter. 2000. Relative effects of season, waterfowl herbivory, and marsh management on submersed aquatic Vegetation in a tidal, non-saline marsh. Masters Thesis.
- John Foret. 1997 (co-Chair with R.R. Twilley). Accretion, sedimentation, and nutrient accumulation rates as influenced by manipulations in marsh hydrology in the Chenier Plain, Louisiana. Masters Thesis.
- Thomas E. McGinnis II. 1997. Factors of soil strength and shoreline movement in a Louisiana coastal marsh. Masters Thesis.

Graduate committees served, Louisiana State University (48)

- Phillip T. Westbrook. 2016. Bioassimilation, burial, and sediment denitrification at shallow-water and deep-water oyster reefs in two Louisiana estuaries. M.S. Thesis.
- Marcus Rutherford. 2015. Analyzing site suitability for baldcypress (*Taxodium distichum*) regeneration along a hydrologic gradient in south Louisiana swamps. M.S. Thesis.
- Michelle A. Savolainen. 2015. A market-based approach for valuing ecosystem services on coastal properties. Ph.D. Dissertation (Department of Agricultural Economics and Agribusiness).
- Bran Wagner. 2014. Non-thesis. Master of Natural Science.
- Shea Miller. 2014. The effects of salinity and temperature on bioelectrical impedance analysis of gulf killifish, *Fundulus grandis*. M.S. Thesis.
- Molly M. Rybovich. 2014. Growth and Mortality of Spat, Seed, and Market-Sized Oysters (*Crassostrea virginica*) in Low Salinities and High Temperatures. M.S. Thesis.
- Lucien P. Laborde, Jr.. 2013. A contrast of hunter characteristics and attitudes between random and convenience samples in the 2010, 2012, and 2013 surveys of Louisiana waterfowl hunters. Ph.D. Dissertation.
- Jacob F. Berkowitz. 2013. Incorporating Science-Based Approaches into the Rapid Assessment of Wetlands and Streams: Validation, Restoration Trajectory, and Method Development. Ph.D. Dissertation. (Oceanography and Coastal Sciences).
- Michael Buxton. 2013. Effects of predator reduction on nest success of upland nesting ducks in low-grassland density landscapes in eastern North Dakota. M.S. Thesis.
- Drew N. Fowler. 2013. Evaluating Abiotic Influences on Soil Salinity of Inland Managed Wetlands and Agricultural Fields in a Semi-Arid Environment. M.S. Thesis.
- Bruce E. Davis. 2012. Habitat use, movements, and ecology of female mottled ducks on the gulf coast of Louisiana and Texas. Ph.D. Dissertation.

- Jessica N. Furlong. 2012. Artificial oyster reefs in the northern gulf of mexico: management, materials, and faunal effects. M.S. Thesis.
- Matthew K. Moerschbaeher. 2012. Energy, environment, and sustainability: a hierarchical analysis of south Louisiana. Ph.D. Dissertation. (Oceanography and Coastal Sciences).
- Timothy Rosen. 2012. Long-term total suspended sediment yield of coastal louisiana rivers with spatiotemporal analysis of the Atchafalaya River Basin and delta complex. M.S. Thesis.
- April BryantMason. 2012. Ph.D. Dissertation. Examining nitrogen dynamics in the Atchafalaya River with isotopic composition of nitrate. Ph.D. Dissertation.
- Nicholas Yuknis. 2012. Soil accretion and organic carbon accumulation in the tidal salt marshes of the Liaohe Delta, China. M.S. Thesis. (Department of Environmental Science)
- Sanjeev Joshi. 2012. Evaluation of Growth Rates and Establishment Patterns of Bald-cypress (*Taxodium distichum*) and Water Elm (*Planera aquatica*) as Indicators of Hydrologic Conditions at Catahoula Lake, Louisiana. M.S. Thesis.
- Sung-Ryong Kang. 2011. Aquatic Macroinvertebrate and Nekton Community Structure in a Chenier Marsh Ecosystem: Implications for Whooping Crane Prey Availability. Ph.D. Dissertation.
- Michelle Zapp Sluis. 2011. Variability in Red Snapper Otolith Microchemistry among Gulf of Mexico Regions. Ph.D. Dissertation. (Oceanography and Coastal Sciences).
- Austin T. Humphries. 2010. Effects of habitat structural complexity on nekton assemblages: lab and field observations in southern Louisiana. M.S. Thesis.
- John Gordon. 2010. Impacts of marsh loss and fragmentation on marsh edge use by estuarine nekton in southwestern Louisiana. M.S. Thesis.
- Michael R. Lindsey. 2009. (Department of Agronomy and Environmental Management). Establishing Soil Compaction Thresholds for the M1A1 Abrams Tank at Camp Minden, Louisiana. Ph.D. Dissertation.
- Biao Zhong. 2009. Spatial analyses of pedosphere carbon stock and sequestration potential in Louisiana's watersheds. Ph.D. Dissertation.
- Jonathon Valente. 2009. Distribution and Habitat Characteristics of Breeding King Rails (*Rallus elegans*) and Other Marsh Birds in Natural, Restored and Agricultural Wetlands in Northeast Louisiana
- Meya Holloway. 2009. Public perceptions in the Mississippi River drainage basin of the status and value of coastal wetlands in Louisiana. Masters Thesis.
- Greg Steyer. 2008. (Department of Oceanography and Coastal Sciences). Assessing vegetation restoration assessment. Ph.D. Dissertation.
- J.W. Cochran. 2008. Coarse woody debris characteristics of managed and unmanaged bottomland hardwood forests. Masters Thesis.
- Sarah Barlow. 2006. Monitoring anuran richness and relative abundance in created wetlands of central Louisiana. Masters Thesis.
- Jason Burke. 2006. Individual and population-level responses of bobwhites to selective herbicide use. Masters Thesis.
- David M. Fox. 2006. Effects of insectivorous birds on tree growth in the Maurepas swamp. Masters Thesis.
- Eric I. Johnson. 2006. Impacts of fire on habitat associations, abundance, and survival of wintering Henslow's sparrows (*Ammodramus henslowii*) in southeastern Louisiana longleaf pine savannas. Masters Thesis.

- Christopher Pennington. 2006. (Department of Geography and Anthropology). Burn scar mapping in the Sabine NWR using Landsat and ETM imagery. Masters Thesis.
- Dawn Shaffer. 2006. Swamp Tours in Louisiana Post Hurricane Katrina and Hurricane Rita: A Descriptive Study. Masters Thesis.
- Greg Snedden. 2006 (Department of Oceanography and Coastal Sciences). River, tidal, and wind interactions in a deltaic estuarine system. Ph.D. Dissertation.
- Michael J. Anteau. 2005. Nutritional ecology of lesser scaup during spring migration in the upper-Midwest: mechanisms and scope of the spring condition hypothesis. Ph.D. Dissertation.
- Brian Gossman. 2005. Use of terraced marsh habitats by estuarine nekton in southwestern Louisiana. M.S. Thesis.
- Sean Kinney. 2004. Estimating the population of greater and lesser scaup during winter in off-shore Louisiana. Masters Thesis.
- Charles L. Kitts. 2004. Individual and landscape-level effects of selective herbicide application on habitat quality for northern bobwhite. Masters Thesis.
- Daniel Scognamillo. 2005. Ecological, environmental, and spatial variables in the distribution and abundance of river otter (*Lontra canadensis*) populations in Louisiana: a spatially explicit model (SEM). Ph.D. Dissertation.
- Julie A. Neer. (Dean's representative). 2005. (Department of Oceanography and Coastal Sciences). Utilizing bioenergetics and matrix projection modeling to quantify population fluctuations in long-lived elasmobranchs: Tools for fisheries conservation and management. Ph.D. Dissertation.
- Gregg Snedden. 2004. (Department of Oceanography and Coastal Sciences). Forcing Mechanisms Governing Low-Frequency Variability in Estuaries of the Mississippi River Deltaic Plain. Ph.D. Dissertation.
- Bush, C.S. 2003. Nekton utilization of restored habitat in a southwest Louisiana marsh. Masters Thesis.
- Kris S. Davis. 2003. Diet similarity of pen-raised versus native, Louisiana white-tailed deer in southeastern Louisiana. Masters Thesis.
- Sarai Kanouse. 2003. Nekton use and growth in three brackish marsh pond microhabitats. Masters Thesis.
- Joseph M. McGowan. 2003. Habitat assessment and subspecies identification of sandhill cranes wintering in Louisiana. Masters Thesis.

Graduate committees served, University of Louisiana at Lafayette (5)

- Angela K. Burcham. in progress. The interactive effects of environmental stress and fungal infection on the growth and survival of *Spartina* in coastal Louisiana. Ph.D. Dissertation.
- Nicole Cormier. 2003. Belowground productivity in mangrove forests of Pohnpei and Kosrae, Federated States of Micronesia. Masters Thesis.
- Leigh Anne Phillips. 2002. Vertical accretion and marsh elevation dynamics on the Chenier Plain, Louisiana. Masters Thesis.
- John D. Foret. 2001. Nutrient limitation of tidal marshes on the Chenier Plain, Louisiana. Ph.D. Dissertation.
- Sue Bhattacharyya. 1999. Toxicity to freshwater organisms from oil spill and oil spill chemical responses in laboratory microcosms. Masters Thesis.

2. Participation in Professional Meetings, Symposia, Workshops, and Conferences on Teaching

King, S.L., and J.A. Nyman. 2007. Integrating wildlife ecology into wetlands ecology courses. 2007 International Society of Wetland Scientists. Sacramento, California.

Dean's Conference on Teaching, 2007 (attendee)

Dean's Conference on Teaching, 2006 (attendee)

Dean's Conference on Teaching, 2005 (attendee)

Centers for Ocean Sciences Education Excellence, Louisiana Teacher/Scientist Institute, Cocodrie, Louisiana, 20-25 June, 2004. The goals of these week-long, residential workshops are to: promote the development of effective partnerships between research scientists and educators; to disseminate effective ocean sciences programs and the best practices that do not duplicate but rather build on existing resources; and to promote a vision of ocean education as a charismatic, interdisciplinary vehicle for creating a more scientifically literate workforce and citizenry.

Dean's Conference on Teaching, 2004 (attendee)

Dean's Conference on Teaching, 2003 (attendee)

Dean's Conference on Teaching, 2002 (attendee)

6 hours, Center for Faculty Development, Louisiana State University, 1993-1994.

3. Other Instructional Activities or Contributions to the Profession.

New Courses Developed

2071 HONORS: Principles of Wildlife Management (4) S Prereq RNR 2071 or permission of instructor. Credit will not be given for this course and RNR 2031. Same as RNR 2031, with special honors emphasis for qualified students. Population management, habitat management, and policy associated with wildlife management. Sustainability of hunting and of endangered wildlife species. Indirect effects of toxins, eutrophication, human infrastructure, and climate change on wildlife habitat and wildlife populations. [This course was created in the spring of 2011 and probably will be offered for the first time in the spring of 2013.]

RNR 3108 Case Studies in Habitat Restoration (2) S Prereq.: RNR 2101, 1 hr. lecture, 3 hr. lab, 2 weekend field trips. Students are responsible for paying for travel expenses associated with this course. The general university drop/add dates do not apply because this is an 8-week course. The instructor will provide students with the drop/add dates established by the University Registrar. Principles related to the context, planning, design, and implementation of habitat restoration and mitigation; evaluation of habitat restoration efforts using the case study method. [This course has been taught annually since 2006. In 2010, I incorporated a Service-Learning component.]

RNR 4101, Integrated Natural Resources Management and Policy (developed with M.J. Stine and S. J. Chang). (4) S Prereq.: RNR 4039 and senior status in School of Renewable Natural Resources. 2 hrs. lecture; 4 hrs. lab. Students are responsible for paying for travel expenses associated with this course. Development of problem solving skills for the management of

renewable natural resources; application and integration of renewable natural resource management theory, policy and practices; analysis of management and policy decisions. [I co-teach this course, which is our capstone course, in a manner that requires all instructors at most meetings and field trips. We've taught this course annually since 2005.]

RNR 7017, Restoration and Management of Wetland Function. (4) F-O 2 hrs. lecture, 3 hrs. lab. 2 weekend field trips. Transportation Fee. Prereq: consent of instructor. Wetland ecology with a focus on functions valued by society; natural history of commonly managed wetland types; fundamentals of restoration ecology; wetland restoration programs in theory and in practice. [I co-teach this course in a manner that requires both instructors at most meetings and field trips. We taught this four times (fall 2002, fall 2004, fall 2006, fall 2007) as RNR 7029 (Advanced Topics in Renewable Natural Resources) before being approved as RNR 7017 and taught in fall 2009 and 2011.]

New Areas of Concentration Developed (undergraduate)

Wetland Science (within the Natural Resource Ecology and Management major). See http://www.rnr.lsu.edu/StudentInformation/DegreePrograms/BS_NREM.htm. Enrollment in this undergraduate AOC has increased slowly since its inception in 2004.

New Minor Developed (Graduate)

Interdisciplinary Minor in Wetland Ecology and Restoration. This graduate minor was created in 2011 and is too new to have enrollment statistics. It is based on graduate coursework in the School of Renewable Natural Resources; the School of Plant, Environmental and Soil Sciences; and the Department of Biological Engineering. It is intended eventually to encompass all academic units offering more than six hours of graduate wetland courses.

4. Awards, Lectureships, or Prizes

Teaching Merit Honor Roll. 2008. College of Agriculture and the Louisiana State University Chapter of The Honor Society of Agriculture Gamma Sigma Delta.

Teaching Merit Honor Roll. 2007. College of Agriculture and the Louisiana State University Chapter of The Honor Society of Agriculture Gamma Sigma Delta.

Certificate for Dedication to Instruction of Freshmen Students. Fall 2004. Alpha Lambda Delta Freshman Honor Society.

5. Teaching Support/Grant Activities

Service Learning Faculty Scholar Stipend. \$1,000. The goals of the award are to deepen the level of service-learning scholarship at LSU and to encourage a continued University-wide commitment to service-learning scholarship. Spring, 2010.

Field Trip Support for Graduate Wetland Training in the School of Renewable Natural Resources. J.A. Nyman, \$1,000, funded by Natural Resource Professionals, LLC.

Using Ecological Simulation Models to Teach Renewable Resource Management. S.J. Chang, J.A. Nyman, D.A. Rutherford, and M. Stine. \$6,886, funded by Student Tech Fee program, spring 2003. Proposal Summary: Simulation models are mathematical tools used to understand and predict the behavior of real systems. Simulation modeling was formerly

limited to research scientists with access to supercomputers but is increasingly used in business, classrooms, and resource management agencies. Although used at other universities, simulation models are uncommon teaching tools at LSU's School of Renewable Natural Resources. We proposed to increase student participation in the learning process by incorporating simulation models into two of the five core courses recently developed for students majoring in Forestry and in Wildlife and Fisheries (RNR 2031: Principles of Wildlife Management, and RNR 4101: Integrated Natural Resources Management and Policy). Funds were requested (\$4,711) to purchase four faculty versions of model-construction software, 14 student versions of that software, and 13 copies of introductory documentation. The 14 student versions were installed on computers in the undergraduate computer lab in the SRNR (room 214).