

CURRICULUM VITAE

NAME: Thomas L. Crisman

POSITION: Jefferson Science Fellow and Professor
School of Geosciences
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EDUCATION: A.B. 1970 (Zoology-Geology) Indiana University
M.A. 1972 (Zoology) Indiana University
Ph.D. 1976 (Zoology-Limnology) Indiana University

EXPERIENCE: 8/14-8/15
Jefferson Science Fellow
Bureau of Oceans & International Environmental & Scientific Affairs
Office of Conservation and Water
United States State Department
Washington, DC

1/07-5/11
Patel Professor of Environment
Patel Center for Global Solutions
University of South Florida

11/95 – 1/07
Director
Howard T. Odum Center for Wetlands
University of Florida

8/88 – 1/07
Professor
Department of Environmental Engineering Sciences
University of Florida

3/06 and 3/07
Co-Instructor
I Curso/Taller Mesoamericano en Restauracion y Manejo de Humedales
Organization for Tropical Studies, Palo Verde Nacional Park, Costa Rica

5/03 – 8/04
Fulbright Scholar
Aegean Initiative
Aristotle University, Thessaloniki, Greece
Middle East Technical University, Ankara, Turkey

6/94
Instructor
Summer Field Course in Tropical Ecology
Makerere University Field Station
Kibale Forest, Uganda

2/91 - 11/95
Associate Director for Environmental Programs
Center for African Studies
University of Florida

11/90 - 1/91
Visiting Professor
Institute of Environment
Makerere University
Kampala, Uganda

8/82 - 8/88
Associate Professor
Department of Environmental Engineering Sciences
University of Florida

5/87
Instructor
Course in Chironomid Taxonomy and Ecology
Department of Biology
University of Joensuu, Finland

10/86 - 8/87
Visiting Research Scientist
Karelian Institute, University of Joensuu, Finland
University of Copenhagen, Denmark

1/83 - 2/83
Instructor
UNESCO Postgraduate Course in Tropical Limnology
University of Zimbabwe
Harare, Zimbabwe

8/77 - 8/82
Assistant Professor
Department of Environmental Engineering Sciences
University of Florida

9/75 - 8/77
Post-Doctoral Research Fellow
Limnological Research Center
University of Minnesota

7/76 - 9/76
Lecturer
Department of Ecology
University of Minnesota

AWARDS AND HONORS:

- 1) Ford Foundation Travelling Scholar (Venezuela) 1974
- 2) Carl Eigenmann Zoology Fellowship 1974-1975
- 3) Visiting Scientist, Australian Academy of Sciences 1978
- 4) Who's Who in the South and Southwest 1979
- 5) Invited Chairperson for Ph.D. Examining Committee for James Elmore, Biology Department, University of South Florida, Tampa. July 1980.
- 6) Who's Who in Frontier Science and Technology 1983
- 7) Member. Florida Acid Deposition Research Peer Review Panel, Florida Department of Environmental Regulation. 1985-1986.
- 8) Invited External Examiner for Ph.D. Examining Committee of Allen J. Uutala, College of Environmental Science and Forestry, State University of New York, Syracuse. December 1986.
- 9) Elected to Conservation Committee of International Association of Limnology 1987-1990.
- 10) Visiting Scientist, Polish Academy of Sciences 1987.
- 11) Program Organizer, Biological Sciences Section, 52nd Annual Meeting, Florida Academy of Sciences, Tampa 1988.
- 12) Named one of the top 100 researchers at the University of Florida, 1990.
- 13) Elected Teacher of the Year, Department of Environmental Engineering Sciences, University of Florida, 1990.
- 14) Selected 1991-1992 Teacher/Scholar of the Year, University of Florida, 1992. This is the highest honor given a UF faculty member.
- 15) Nominated by the University of Florida for National Professor of the Year competition sponsored by the Council for Advancement and Support of Education (CASE), 1992.
- 16) Recipient University of Florida Teaching Improvement Program Award. 1993.
- 17) Recipient of Edward Deevey, Jr. Award of the Florida Lake Management Society for scientific contributions to Florida limnology. 1994.
- 18) Scientific committee. International workshop entitled: "Qualidade de Aguas Continentais no MERCOSUL" held at Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil. 7-9 December 1994.
- 19) Mission Member. UNDP/World Bank evaluation team for the GEF project entitled: Conservacion de la Biodiversidad en los Humedales del Este, Uruguay. Programa de Conservacion de la Biodiversidad Desarrollo Sustentable en los Humedales del Este (PROBIDES). November 1995.

- 20) Recipient University of Florida Teaching Improvement Program Award. 1996.
- 21) Technical advisor to government of Andalucia for the management of Donana National Park, Spain. 1996-2001.
- 22) United States Department of State appointment to the Board of Governors, U.S.-Israel Binational Science Foundation. Member 1997-2017, Board Chair 2001-2002, 2013-2014.
- 23) Mission Chief. UNDP/World Bank evaluation team for the GEF project entitled: Conservation of the Dana Wildlands, the Azraq Oasis and the Institutional Strengthening of the Royal Society for the Conservation of Nature (Jordan). June 1996.
- 24) Elected Teacher of the Year, Department of Environmental Engineering Sciences, University of Florida, 1998.
- 25) Faculty Productivity Award, University of Florida, 1999
- 26) Program Committee Chair. International Conference on Agriculture and the Environment in the Paraguay River Basin. 8-10 June 2001. Asuncion, Paraguay.
- 27) Finalist, Distinguished Alumni Professor, University of Florida. April 2001.
- 28) Visiting Lecturer. US Consulate, Thessaloniki, Greece. June 2001
- 29) Advisory Board. Greek Wetland Center, Thessaloniki, Greece. 2001-2003.
- 30) Management Board. African Wetland Center, Accra, Ghana. 2001- 2005.
- 31) Technical Advisory Panel. Eden Again Project. Iraq Foundation. 2002-2005.
- 32) Team Member. External valuation team for programs of School of Environment, University of South Carolina. 2003.
- 33) Elected to Graduate Council UF. 2003-2006
- 34) Fulbright Scholar, Aegean Initiative. Residence at Aristotle University, Thessaloniki, Greece and Middle East Technical University, Ankara, Turkey. 2003-2004.
- 35) Appointed as a Sagamore of the Wabash by Indiana Governor Joseph E. Kernan, the highest honor given to a citizen of Indiana. 2003.
- 36) Named as Distinguished International Educator, University of Florida. 2004.
- 37) Selected as 2005 Medalist by the Florida Academy of Sciences
- 38) Delegate at 2008 Water Congress: Planning for Florida's Water Future. Century Commission for a Sustainable Florida. Orlando, FL.
- 39) Chair, International Board, International Balkan Environment Center, Thessaloniki, Greece. 2013-Present.

- 40) Member. Technical Advisory Group: Wetlands Hybrid. Hillsborough County Environmental Protection Commission, Tampa, FL. 2007-2008.
- 41) Olin Sewall Pettingill Lecturer, University of Michigan Biological Station, Pellston, MI. 2010.
- 42) Invited Participant. The Water Energy Food NEXUS: An Integrated Approach to the Middle East Water Challenge. Hollings Center, Prince Mohammad Bin Fahd Program for Strategic Research and Studies and The Arab Gulf States Institute in Washington. Abu Dhabi, UAE. 2016
- 43) Elected AAAS Fellow in Biological Sciences Section. American Association for the Advancement of Sciences. 2018.
- 44) Outstanding Faculty Award. University of South Florida. 2019.
- 45) External Examiner for Ph.D. thesis and defense, Biology Department, Sultan Qaboos University, Muscat, Oman. 2019
- 46) Scientific Advisor, US-Israel Binational Science Foundation. 2019-2020.
- 47) Invited Participant. Smart & Sustainable Cities: Understanding How to Build the Modern City. The Hollings Center and University of Central Florida. Marrakech, Morocco. 2019
- 48) Board Member. High Atlas Foundation. Marrakech, Morocco. 2019-present.

COMMITTEES OF SCIENTIFIC SOCIETIES:

- 1) Elected, Executive Committee, Florida Academy of Sciences 1989
- 2) Chair, Technical Transfer Acid Rain Subcommittee, North American Lake Management Society 1989-1990.
- 3) President, Florida Academy of Sciences 1992-1993.
- 4) Marshall, University of Florida Chapter, Sigma Xi, 1992-1993.
- 5) International Cooperation Committee. Society of Wetland Scientists. 1996 – 2000.

EDITORIAL BOARDS:

1980. Verhandlungen Internationalis Vereinigung Limnologie, Volume 21. International Association of Theoretical and Applied Limnology.
- 1982-1985. Journal of Freshwater Ecology.
- 2001- Journal of Limnology
- 2001-2007 Associate Editor. Journal of the American Water Resources Association.
- 2001-2002. Encyclopedia of Environmental Microbiology. G. Bitton (editor in chief), Wiley Press.

- 2002-2005 African Journal of Aquatic Science.
- 2002-2007 Southeastern Naturalist
- 2012-2015 Section Editor in Limnology. Aquatic Biosystems.
- 2016-2019 Associate Editor, African Journal of Aquatic Sciences

SESSION CHAIRPERSON AT SCIENTIFIC MEETINGS:

- 1) Technical Session #3: Spill Control Groundwater Protection, Hazardous Waste Management, Acid Rain. Fourth Annual Meeting of Florida Assoc. for Water Quality Control. Daytona Beach, Florida. May 19, 1981.
- 2) Technical Session #1: Freshwater Ecology and Management. 49th Annual Meeting, Florida Academy of Sciences. St. Leo, Florida. May 4, 1985.
- 3) Technical Session #58W: Aquatic Toxicology I. 48th Annual Meeting, American Society of Limnology and Oceanography, University of Minnesota, Minneapolis. June 21, 1985.

CONVENOR OF SYMPOSIA:

- 1) J.R. Beaver and T.L. Crisman. Lake Okeechobee. Symposium held in conjunction with 53rd Annual Meeting, American Society of Limnology and Oceanography, College of William and Mary, Virginia. June 1990.
- 2) T.L. Crisman, R. Claudi, and R.J. Brock. Exotic Bivalves in North America. Symposium held in conjunction with 53rd Annual Meeting, American Society of Limnology and Oceanography, College of William and Mary, Virginia. June 1990.
- 3) P. Schmidt, A. Goldman, T.L. Crisman and R. Cohen. Sustainability in Africa: Integrating Concepts. 1992 Carter Lecture Series, Center for African Studies, University of Florida. April 1992.
- 4) F.A.R. Barbosa and T.L. Crisman. Brazilian Program on Conservation and Management of Inland Waters. Federal University of Minas Geras, Belo Horizonte, Brazil. April 1992.
- 5) T.L. Crisman and P. Schmidt. Emerging Water Management Issues in Africa. 150th Annual Meeting of American Association for the Advancement of Science (AAAS), Philadelphia, PA. Sponsored by MacArthur Foundation and Carnegie Foundation. February 1998.
- 6) T.L. Crisman and M.T. Brown. A Symposium in Celebration of the 25th Anniversary of the Center for Wetlands, University of Florida. Gainesville, FL. November 1998.
- 7) T.L. Crisman, L.J. Chapman and C.A. Chapman. A Symposium on Aquatic Conservation and Mangement in Africa. 1999 Carter Lecture Series, Center for African Studies, University of Florida. March 1999.
- 8) T.L. Crisman, W. Wise, and J.J. Warwick. 2000. Integrating wetlands and hydrology for sustainable water management. Panel discussion. AWRA Annual Meeting, Miami, FL., November 2000.

9) T.L. Crisman, F. Miralles-Wilhelm and M. Doyle. 2005. Traditional Wetland Cultures in Transition. Center for Ecosystem Science and Policy (U. Miami) and co-sponsors Howard T. Odum Center for Wetlands (U. Florida) and British Consulate. Miami, FL June 2005.

10) L. Berry and T.L. Crisman. 2007. Florida Climate Change Conference. Tampa, FL May 2007.

11) S. Vyapari and T.L. Crisman. 2008. 35th Annual Conference on Ecosystems Restoration and Creation: Assessment of Wetland Mitigation and Mitigation Banks. Plant City, FL. November 2008.

WORKSHOP AND SHORT COURSE ORGANIZER/CO-ORGANIZER

1994. History of Land Use In Africa. Kibale Forest, Uganda. Co-organized with Boston University.

1994. Managing the Pantanal Wetland. Cuiaba, Mato Grosso and Campo Grande, Mato Grosso do Sul, Brazil.

1994. Biomanipulation of Lakes and Reservoirs. Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil.

1996. Application of Biological Principles to Water Management. 11-25 May. Short course at IPH/Universidade do Rio Grande do Sul, Porto Alegre, Brazil.

2007. UNESCO-IHE. Third Annual Hydroinformatics Course in Florida. Organizer/Instructor for two-day session in Tampa Bay area on water issues in urban and urbanizing environments.

2010. The Impending Water Crisis of Tampa Bay: Waste, Reuse and Environmental Protection. Workshop I: Potential Contaminants from Water Reuse. USF College of Public Health, USF Department of Integrative Biology (College of Arts and Sciences) and Physicians for Social Responsibility. USF, Tampa, FL.

2010. The Impending Water Crisis of Tampa Bay: Waste, Reuse and Environmental Protection. Workshop II: Engineering, Ecosystem Impacts and Financial Considerations. USF College of Public Health, USF Department of Integrative Biology (College of Arts and Sciences) and Physicians for Social Responsibility. USF, Tampa, FL.

2010. Communicating with Policymakers. A workshop for NSF funded Biosphere-Atmosphere Research and Training (BART) Program, University of Michigan Biological Station, Pellston, MI.

2018. An Experiential Conference : HAF as a Model of Community Engagement for Sustainable Agriculture : Accomplishments and Challenges to Meet Long Term Goals at Community and Regional Scales. Co-organizer with Peter Jacques (University of Central Florida) and Yossef Ben-Meir (High Atlas Foundation) with funding from Prince Mohammad Bin Fahd Program for Strategic Research at Suudies (UCF) and the Hollings Center for International Dialogue. Marrakech, Morocco.

PUBLICATIONS

Dissertation:

Crisman, T.L. 1976. North Pond, Massachusetts: postglacial variations in lacustrine productivity as a reflection of changing watershed-lake interactions. Ph.D. dissertation, Indiana University, Bloomington. 112 pp.

Journals and Refereed Book Chapters:

- 1) Crisman, T.L. and D.R. Whitehead. 1975. Environmental history of Hovey Lake, Southwestern Indiana. *American Midland Naturalist*. 93: 198-205.
- 2) Whitehead, D.R., and T.L. Crisman. 1978. Paleolimnological studies of small New England (USA) ponds. Part I. Late-glacial and postglacial trophic oscillations. *Pol. Arch. Hydrobiol.* 25: 75- 86.
- 3) Crisman, T.L. and D.R. Whitehead. 1978. Paleolimnological studies of small New England (USA) ponds. Part II. Cladoceran community responses to trophic oscillations. *Pol. Arch. Hydrobiol.* 25L 75-86.
- 4) Crisman, T.L. 1979. Algal remains in Minnesota lake types: A comparison of modern and late-glacial distributions. *Verh. Internat. Verein. Limnol.* 20: 445-451.
- 5) Crisman, T.L. 1980. Chydorid cladoceran assemblages from Florida. pp. 642-656. IN: W.C. Kerfoot (ed.). *The Evolution and Ecology of Zooplankton Communities*. New England Press.
- 6) Beaver, J.R., T.L. Crisman, and J.S. Bays. 1981. Thermal regimes of Florida lakes. *Hydrobiologia*. 83: 267-273.
- 7) Beaver, J.R. and T.L. Crisman. 1981. Acid precipitation and the response of ciliated protozoans in Florida lakes. *Verh. Internat. Verein. Limnol.* 21: 353-358.
- 8) Crisman, T.L., J.R. Beaver, and J.S. Bays. 1981. Examination of the relative impact of microzooplankton and macrozooplankton on bacteria and algae in Florida Lakes. *Verh. Internat. Verein. Limnol.* 21: 359-362.
- 9) Beaver, J.R., and T.L. Crisman. 1982. The trophic response of ciliated protozoans in freshwater lakes. *Limnol. Oceanogr.* 27: 246-253.
- 10) Bays, J.S. and T.L. Crisman. 1983. Zooplankton trophic state relationships in Florida lakes. *Can. J. Fish. Aquat. Sci.* 40:1813-1819.
- 11) Binford, M.W., E.S. Deevey and T.L. Crisman. 1983. Paleolimnology: Historical perspective on lacustrine ecosystems. *Ann. Rev. Ecol. Syst.* 14: 255-286.
- 12) Brezonik, P.L., T.L. Crisman and R.L. Schulze. 1984. Planktonic communities in Florida softwater lakes of varying pH. *Can. J. Fish. Aquat. Sci.* 41: 46-56.
- 13) Crisman, T.L., P.R. Scheuerman, R.W. Bienert, Jr., J.R. Beaver and J.S. Bays. 1984. A preliminary characterization of bacterioplankton seasonality in subtropical Florida lakes. *Verh. Internat. Verein. Limnol.* 22: 620-626.
- 14) Crisman, T.L., C.L. Clarkson, A.E. Keller, R.A. Garren, and R.W. Bienert, Jr. 1986. A preliminary assessment of the importance of littoral and benthic autotrophic communities in acidic lakes. pp.17-27. IN: B.G. Isom, S.D. Dennis and J.M. Bates (eds.). *Impact of Acid Rain and Deposition on Aquatic Biological Systems*. Special Technical Publication 928. American Society for Testing and Materials (ASTM). Philadelphia.

- 15) Crisman, T.L., U.A.M. Crisman, and M.W. Binford. 1986. Interpretation of bryozoan microfossils in lacustrine sediment cores. *Hydrobiologia* 143: 113-118.
- 16) Charles, D.F., D.R. Whitehead, D. Anderson, R. Bienert, K. Camburn, R. Cook, T.L. Crisman, R.B. Davis, B. Fry, R.A. Hites, J.S. Kahl, J. Kingston, R. Kreis, Jr., M.J. Mitchell, S.A. Norton, L. Roll, J.P. Smol, P.R. Sweets, A. Uutala, J. White, M. Whiting, and R. Wise. 1986. The PIRLA project (Paleoecological Investigation of Recent Lake Acidification): Preliminary results for the Adirondacks, New England, N. Great Lakes States, and N. Florida. *Water Air and Soil Pollution* 30: 355-365.
- 17) Crisman, T.L. 1988. The use of subfossil benthic invertebrates in aquatic resource management. pp. 71-88. IN: W.J. Adams, G.A. Chapman, and W.G. Landis (eds.). *Aquatic Toxicology and Hazard Assessment: 10th Volume*. ASTM STP 971. American Society for Testing and Materials (ASTM), Philadelphia, PA.
- 18) Crisman, T.L. and U.A.M. Crisman. 1988. Subtropical chaoborid populations and their representation in the paleolimnological record. *Verh. Internat. Verein. Limnol.* 23:2157-2164.
- 19) Beaver, J.R., T.L. Crisman, and R.W. Bienert, Jr. 1988. Distribution of planktonic ciliates in highly colored subtropical lakes: comparison with clearwater ciliate communities and the contribution of myxotrophic taxa to total autotrophic biomass. *Freshwater Biology* 20:51-60.
- 20) Keller, A.E., R.J. Dutton, G. Bitton and T.L. Crisman. 1988. Chronic toxicity of Hydrothol-191 to Ceriodaphnia dubia at 25° and 15° C. *Bull. Environ. Contam. Toxicol.* 41:233-240.
- 21) Keller, A.E., R.J. Dutton, and T.L. Crisman. 1988. Effect of temperature on the chronic toxicity of Hydrothol-191 to the flathead minnow (Pimephales promelas). *Bull. Environ. Contam. Toxicol.* 41:770-775.
- 22) Beaver, J.R. and T.L. Crisman. 1989. The role of ciliated protozoa in pelagic freshwater ecosystems. *Microb. Ecol.* 17:111-136.
- 23) Beaver, J.R. and T.L. Crisman. 1989. Analysis of the community structure of planktonic ciliated protozoa relative to trophic state in Florida lakes. *Hydrobiologia* 174:177-184.
- 24) Haack, S.K., G.R. Best and T.L. Crisman. 1989. Aquatic macroinvertebrate communities in a forested wetland: Interrelationships with environmental gradients. pp. 437-454. IN: R.R. Sharitz and J.W. Gibbons (eds.) Freshwater Wetlands and Wildlife. DOE Symposium Series No. 61, USDOE Office of Scientific and Technical Information, Oak Ridge, Tennessee.
- 25) Beaver, J.R. and T.L. Crisman. 1990. Seasonality of planktonic ciliated protozoa in 20 subtropical Florida lakes of varying trophic state. *Hydrobiologia* 190:127-135.
- 26) Crisman, T.L. and J.R. Beaver. 1990. Applicability of planktonic biomanipulation for managing eutrophication in the subtropics. *Hydrobiologia* 200/201:177-185.
- 27) Sweets, P.R., R.W. Bienert, T.L. Crisman, and M.W. Binford. 1990. Paleoecological investigations of recent lake acidification in northern Florida. *J. Paleolimnol.* 4:103-137.
- 28) Keller, A.E. and T.L. Crisman. 1990. Factors influencing fish assemblages and species richness in subtropical Florida lakes and a comparison with temperate lakes. *Can. J. Fish. Aquat. Sciences* 47:2137-2146.

- 29) Beaver, J.R. and T.L. Crisman. 1990. Use of microzooplankton as an early indicator of advancing cultural eutrophication. *Verh. Internat. Verein. Limnol.* 24:532-537.
- 30) Crisman, T.L. and J.R. Beaver. 1990. A latitudinal assessment of distribution patterns in chaoborid abundance for eastern North American lakes. *Verh. Internat. Verein. Limnol.* 24:547-553.
- 31) Beaver, J.R. and T.L. Crisman. 1991. Importance of latitude and organic color on phytoplankton primary productivity in Florida lakes. *Can. J. Fish. Aquat. Sci.* 48:1145-1150.
- 32) Gottgens, J.F. and T.L. Crisman. 1991. Newnan's Lake, Florida: removal of particulate organic matter and nutrients using a short-term partial drawdown. *Lake and Reservoir Management* 7:53-60.
- 33) Beaver, J.R., T.L. Crisman, and R.J. Brock. 1991. Grazing effects of an exotic bivalve (*Corbicula fluminea*) on hypereutrophic lake water. *Lake and Reservoir Management* 7:45-51.
- 34) Bienert, R.W., Jr., J.R. Beaver, and T.L. Crisman. 1991. The contribution of ciliated protozoa to zooplankton biomass in an acidic subtropical lake. *J. Protozool.* 38:352-354.
- 35) Beaver, J.R. and T.L. Crisman. 1991. Temporal variability in algal biomass and primary productivity in Florida lakes relative to latitudinal gradients, organic color and trophic state. *Hydrobiologia* 224:89-97.
- 36) Crisman, T.L. 1992. Natural lakes of the southeastern United States: origin, structure, and function. pp. 475-538. IN: C.T. Hackney, S.M. Adams, and W.H. Martin (eds.). *Biodiversity of the Southeastern United States: Aquatic Communities*. Wiley Press, New York. 779 pp.
- 37) Streever, W.J. and T.L. Crisman. 1993. A comparison of fish populations from natural and constructed freshwater marshes in central Florida. *J. Freshwat. Ecol.* 8:149-153.
- 38) Streever, W.J., J.F. Gottgens and T.L. Crisman. 1993. Patterns of sediment flux in a subtropical permanently flooded cave system. *Verh. Internat. Verein. Limnol.* 25:257-260.
- 39) Streever, W.J. and T.L. Crisman. 1993. A preliminary comparison of natural and constructed marshes in central Florida on the basis of meiobenthic cladoceran assemblages. *Wetlands* 13:229-236.
- 40) Gottgens, J.F. and T.L. Crisman. 1993. Quantitative impacts of lake level stabilization on material transfer between water and sediment in Newnans Lake, Florida. *Can. J. Fish. Aquat. Sci.* 50:1610-1616.
- 41) Phlips, E.J., P.V. Zimba, M.S. Hopson and T.L. Crisman. 1993. Dynamics of the plankton community in submerged plant dominated regions of Lake Okeechobee, Florida. *Verh. Internat. Verein. Limnol.* 15:423-426.
- 42) Fernandes, C.A. and T.L. Crisman. 1994. Lake Paranoa: Management approaches for a tropical urban reservoir. *Verh. Internat. Verein. Limnol.* 25:1301-1305.
- 43) Crisman, T.L., E.J. Phlips, and J.R. Beaver. 1995. Zooplankton seasonality and trophic state relationships in Lake Okeechobee, Florida. *Arch. Hydrobiol. Beih. Ergebn. Limnol.* 45:213-232.
- 44) Crisman, T.L., E.J. Phlips, J.R. Beaver, and C. Keenan. 1995. Bacterioplankton seasonality and environmental relationships in Lake Okeechobee, Florida. *Arch. Hydrobiol. Beih. Ergebn. Limnol.* 45:203-211.
- 45) Rood, B.E., J.F. Gottgens, J.J. Delfino, C.D. Earle, and T.L. Crisman. 1995. Mercury accumulation trends in Florida Everglades and Savannas Marsh flooded soils. *Water, Air, and Soil Pollution* 80:981-990.

- 46) Philips, E.J., F.J. Aldridge, C.L. Schelske, and T.L. Crisman. 1995. Relationships between light availability, chlorophyll *a* and tripton in a large, shallow subtropical lake. *Limnol. Oceanogr.* 40:416-421.
- 47) Streever, W.J., D. Evans, C.M. Keenan, and T.L. Crisman. 1995. Chironomidae (Diptera) and vegetation in a created wetland and implications for sampling. *Wetlands* 15:285-289.
- 48) Streever, W.J., T.L. Crisman and J.H. Kiefer. 1996. Constructing freshwater wetlands: A subtropical perspective. pp.295-303. IN: F. Schiemer and K. Boland (eds.). *Tropical Limnology*. SBP Academic Press.
- 49) Crisman, T.L. and W.J. Streever. 1996. The legacy and future of tropical limnology. pp.27-42. IN: F. Schiemer and K. Boland (eds.). *Tropical Limnology*. SBP Academic Press.
- 50) Havens, K.E., L.A. Bull, G.L. Warren, T.L. Crisman, E.J. Philips and J.P. Smith. 1996. Food web structure in the pelagic and littoral regions of a subtropical lake ecosystem. *Oikos* 75:20-32.
- 51) Streever, W.J., K.M. Portier and T.L. Crisman. 1996. A comparison of dipterans from ten created and ten natural wetlands. *Wetlands* 16:416-428.
- 52) Crisman, T.L., L.J. Chapman and C.A. Chapman. 1996. Conserving tropical wetlands through sustainable use. *Geotimes*(July 1996):23-25.
- 53) Leslie, A.J., T.L. Crisman, J.P. Prenger and K.C. Ewel. 1997. Benthic macroinvertebrates of small Florida pondcypress swamps and the influence of dry periods. *Wetlands* 17:447-455.
- 54) Beaver, J.R. and T.L. Crisman. 1998. The importance of fish standing crop in limnetic nutrient budgets. *Verh. Internat. Verein. Limnol.* 26:2184-2188.
- 55) Chapman, L.J., C.A. Chapman and T.L. Crisman 1998. Limnological observations of a papyrus swamp in Uganda: implications for fish faunal structure and diversity. *Verh. Internat. Verein. Limnol.* 26:1821-1826.
- 56) Streever, W.J., J.F. Gottgens, B.E. Rood and T.L. Crisman. 1998. Radiolimnology of the Sim's Sink permanently flooded cave, Florida, USA. *Verh. Internat. Verein. Limnol.* 26:1595-1598.
- 57) Crisman, T.L., L.J. Chapman and C.A. Chapman. 1998. Predictors of seasonal oxygen levels in small Florida lakes: the importance of color. *Hydrobiologia* 368:149-155.
- 58) Chapman, L.J., C.A. Chapman, T.L. Crisman and F.G. Nordlie. 1998. Seasonal limnology of a Ugandan crater lake. *Hydrobiologia* 385 (1-3):201-211.
- 59) Prenger, J.P., S.L. Hetrick and T.L. Crisman. 2000. Correlation of vegetation and benthic macroinvertebrate community changes in Florida pondcypress swamps following clearcutting. *Verh. Internat. Verein. Limnol.* 27:1675-1678.
- 60) Otto, G.M., M.W. Clark, T.J. Walker and T.L. Crisman. 2000. Reintroduction of wetland functions to the urban landscape: the Stormwater Ecological Enhancement Project. *Verh. Internat. Verein. Limnol.* 27:1-6.
- 61) Chapman, L.J., C.A. Chapman, T.L. Crisman and J. Prenger. 2000. Predictors of seasonal oxygen levels in a Ugandan swamp/river system: a 3-year profile. *Verh. Internat. Verein. Limnol.* 27:3048-3053.

- 62) Beaver, J.R., T.L. Crisman, G.B. Hall and E.F. Lowe. 2001. Grazing effects of pump-filter feeding (*Dorosoma cepedianum*) and facultative omnivorous (*Oreochromis aurea*) fish on microbial food web organization in a hypereutrophic Florida lake. *Verh. Internat. Verein. Limnol.* 27:3459-3464.
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- 39) Crisman, T.L. 1990. A final feasibility report for Fish Lake, Indiana. Fish Lake Property Owners Association, Fish Lake, IN. 98 pp.
- 40) Crisman, T.L., J. Kiefer, D. Evans, and A. Neugaard. 1991. An evaluation of benthic meiofauna and macrofauna as success criteria for reclaimed wetlands. A progress report for year II. Florida Institute of Phosphate Research, Bartow, FL. 85 pp.
- 41) Crisman, T.L., J.R. Beaver, R.J. Brock, and V. Nilakantan. 1991. Zooplankton and bacterioplankton (segment I) for the trophic structure manipulation project. St Johns River Water Management District, Palatka, FL. 50 pp.
- 42) Eviston, W.E., E.P. Ellingson, and T.L. Crisman. 1991. A study for the improvement, restoration, and protection of West Otter Lake. West Otter Lake Property Owners Association, Steuben County, IN. 73 pp.
- 43) Gottgens, J.F. and T.L. Crisman. 1992. Newnans Lake, Florida: Removal of particulate organic matter and nutrients using a short-term drawdown (Phase I). St Johns River Water Management District, Palatka, FL. 32 pp.
- 44) Crisman, T.L., J.R. Beaver, J.K. Jones, A.E. Keller, A.G. Neugaard, and V. Nilakantan. 1992. Historical assessment of cultural eutrophication in Lake Weir, Florida. St Johns River Water Management District, Palatka, FL. 442 pp.
- 45) Gottgens, J.F. and T.L. Crisman. 1992. Sediments of Newnans Lake: Characteristics and patterns of redistribution following a short-term drawdown (Phase II). St Johns River Water Management District, Palatka, FL. 34 pp.
- 46) Crisman, T.L. 1992. Paleolimnological assessment of the effectiveness of a constructed sedimentation basin at reducing sediment and nutrient loading to Skinner Lake, Indiana. Indiana Department of Natural Resources, Indianapolis, IN. 40 pp.
- 47) Gensic & Associates and T.L. Crisman. 1992. Tri-Lakes watershed feasibility study. Tri-Lakes Property Owners Association, Whitley County, Indiana. 204 pp.

- 48) Crisman, T.L., J.R. Beaver, R.J. Brock, and V. Nilakantan. 1992. Zooplankton and bacterioplankton (segment II) for the trophic structure manipulation project. St Johns River Water Management District, Palatka, FL. 83 pp.
- 49) Crisman, T.L., J.R. Beaver, C.M. Keenan, and W.J. Streever. 1992. Zooplankton and bacterioplankton (segment III) for the trophic structure manipulation project. St Johns River Water Management District, Palatka, FL. 75 pp.
- 50) Crisman, T.L., W.R. DeMott, P.M. Stewart and Earth Source Inc. 1993. Assessment of watershed-lake interactions influencing the cultural eutrophication of Little Crooked and Crooked Lakes, Indiana. Crooked Lakes Property Owners Association. 100 pp.
- 51) Delfino, J.J., T.L. Crisman, J.F. Gottgens, B.E. Rood and C.D.A. Earle. 1993. Spatial and temporal distribution of mercury in Everglades and Okefenokee wetland sediments. South Florida Water Management District, U.S. Geological Survey and Florida Department of Environmental Regulation. 207 pp.
- 52) Best, G.R., M.T. Brown, T.L. Crisman, K.L. Erwin, D.A. Graetz, K.R. Reddy, H. Kale, P. Pritchard, T.M. Missimer, C.W. Walker, A. Owosina and M.J. Deuver. 1997. Evaluation of constructed wetlands on phosphate mined lands in Florida. Publication No. 03-103-139, Florida Institute of Phosphate Research. Bartow, FL.
- 53) Crisman, T.L., W.J. Streever, J.H. Kiefer and D.L. Evans. 1997. An evaluation of plant community structure, fish and benthic meio- and macrofauna as success criteria for reclaimed wetlands. Publication No. 03-086-135, Florida Institute of Phosphate Research. Bartow, FL.
- 54) Crisman, T.L., J.P. Prenger, M. Stevens and K. Rogers. 1999. Redesign of the Duckpond for effective water management. City of Gainesville, FL.
- 55) Line, L, T.L. Crisman and C.R. Roberts. 2000. An assessment of water quality in Tumblin' Creek, Gainesville, Florida. Department of Public Works, City of Gainesville. 89 pp.
- 56) Crisman, T.L. and K. Butler. 2000. Assessment of trends in phosphorus and lake level at Lost Lake, Indiana 1920-1999. Lake Maxinkuckee Environmental Council, Culver, IN. 41 pp.
- 57) Crisman, T.L. and J.D. Patterson. 2000. Historical assessment of water clarity in Lake Maxinkuckee, Indiana and its relationship to recent changes in watershed management. Lake Maxinkuckee Environmental Council, Culver, IN. 34 pp.
- 58) Osborne, T.Z. and T.L. Crisman. 2001. Monitoring and management of the Waldo Wastewater Treatment Wetland June 1999-December 2000. City of Waldo, Florida.
- 59) Krotje, P., C.R. Roberts, T.L. Crisman and L. Anderson. 2001. Comparative ecosystem analysis of hydrologic restoration of Tates Hell Swamp. Northwest Florida Water Management District, Havana, Florida. 161 pp.
- 60) White, J.R., K.R. Reddy, W.F. DeBusk, W.R. Wise and T.L. Crisman. 2002. Phosphorus removal capacity of the Orlando Easterly Wetland Treatment System. City of Orlando, Florida. 164 pp.
- 61) Larsen, J., K. Martinson, J. Muller, K. Regan, T. Ankersen, T. Crisman and M. Clark. 2003. City of Gainesville Basin Planning Initiative: A Report with Recommendations. University of Florida Center for Governmental Responsibility and the Howard T. Odum Center for Wetlands. 55 pp..

- 62) Crisman, T.L. 2004. Expert report on the revised restoration plan for Lake Koronia. Prefecture of Thessaloniki, Greece. 22 pp.
- 63) Rains, M.C., K.C. Rains, W.J. Kleindl, S. Landry, T.L. Crisman, A. Brown and L. Van Maurik. 2011. Wetland Inventory and Evaluation: St. Lucie County, Florida. St. Lucie County, FL. 68 pp..
- 64) Rains, M., S. Landry, V. Seidel and T. Crisman. 2012. Prioritizing habitat restoration goals in the Tampa Bay watershed. Tampa Bay Estuary Program. 74 pp.
- 65) Crisman, T.L. 2014. Estimating ecological flow within the Kara Khota and Kullu Cachi watersheds, La Paz, Bolivia. Inter-American Development Bank, Washington, DC. 83pp.
- 66) Kiefer, J.H., J. Mossa, K.B. Nowak, W.R. Wise, K.M. Portier and T.L. Crisman. 2015. Peninsular Florida stream systems: Guidance for their classification and restoration. Publication Number 03-154-253. Florida Industrial and Phosphate Research Institute. Bartow, FL.
- 67) Brown, A.T.R. and T.L. Crisman. 2016. Improving compensatory mitigation in the Tampa Bay watershed. Final Report EPA Region 4 Wetland Program Development Grant/EPA Assistance CD-95488011-0, US Environmental Protection Agency and Environmental Protection Commission of Hillsborough County. 282 pp.
- 68) Crisman, T.L. and R.Munoz Castillo. 2019 Green Infrastructure in Latin America and the Caribbean: Experiences, Opportunities and Challenges. Inter-American Development Bank, Washington, DC. 37 pp.
- 69) Crisman, T.L. 2019 Nature-based solutions to meet the challenges of water security in Latin America and the Caribbean. Inter-American Development Bank, Washington, DC. 32 pp.

ORAL PRESENTATIONS

Professional Meetings: 295 total including 80 invited; 35 nations

- 1) Crisman, T.L. and D.R. Whitehead. 1975. Post-Pleistocene watershed-lake interactions in two New England ponds. 38th annual meeting, American Society of Limnology and Oceanography. Halifax, Nova Scotia.
- 2) Crisman, T.L. and D.R. Whitehead. 1976. Late-glacial and early postglacial trophic oscillations in small New England ponds. Second International Symposium on Paleolimnology. Poland.
- 3) Crisman, T.L. and D.R. Whitehead. 1976. Cladoceran community responses to trophic oscillation in two New England ponds. Second International Symposium on Paleolimnology. Poland.
- 4) Crisman, T.L. 1977. Distribution of littoral cladocera in Minnesota lake types. 40th Annual Meeting, American Society of Limnology and Oceanography. East Lansing, Michigan.
- 5) Crisman, T.L. 1977. Pediastrum in Minnesota lake types: A correlation of modern and early postglacial distributions. 20th Congress of Societas Internationalis Limnologiae, Copenhagen, Denmark.
- 6) Crisman, T.L. 1977. Interpretation of fossil cladoceran assemblages based on modern cladoceran-trophic state relationships. 10th Congress of International Union for Quaternary Research. Birmingham, England.

- 7) Crisman, T.L. 1978. Chydorid cladoceran assemblages from Florida. American Society of Limnology and Oceanography Special Symposium, "The Structure of Zooplankton Communities", Dartmouth College, Hanover, NH. (Invited presentation).
- 8) Crisman, T.L. 1978. Interpretation of past environments from lacustrine animal remains. Symposium entitled, Biological Problems in the Reconstruction of Quarternary Terrestrial Environments. Canberra, Australia. (Invited presentation).
- 9) Crisman, T.L., M. Mallin, and C. Biederman. 1978. Zooplankton-phytoplankton interactions in Lake Apopka, Florida. Annual Aquatic Plant Research Review Conference. Florida Department of Natural Resources, Tampa, Florida.
- 10) Blancher, E. and T.L. Crisman. 1978. Trophic state relationships in some north and central Florida lakes. American Society of Limnology and Oceanography. Annual meeting, Victoria, British Columbia.
- 11) Kooijman, F. and T.L. Crisman. 1978. Distribution and ecology of benthic macroinvertebrates in a mesotrophic Florida lake. Ecological Society of America, in conjunction with 29th annual AIBS meeting, Athens, GA.
- 12) Allinson, J. and T.L. Crisman. 1978. Seasonal patterns for chlorophyll-a and primary production in the Oklawaha chain of lakes. Annual Aquatic Plant Research Review Conference of the Florida Department of Natural Resources, Tampa, Florida.
- 13) Crisman, T.L., M. Mallin, C. Biederman, and J. Allinson. 1979. Zooplankton-phytoplankton interactions in Lake Apopka, Florida. First annual winter meeting, American Society of Limnology and Oceanography. Corpus Christi, Texas.
- 14) Hilty, C.L., V.B. Myers, P.L. Brezonik and T.L. Crisman. 1979. Phytoplankton nutrient limitation pattern in Lake Okeechobee, Florida: Two standard EPA algal assay procedure results. First annual winter meeting. American Society of Limnology and Oceanography. Corpus Christi, Texas.
- 15) Kooijman, F. and T.L. Crisman. 1979. Relationship between depth and abundance of benthic macroinvertebrates in a Florida lake. First winter meeting, American Society of Limnology and Oceanography, Corpus Christi, Texas.
- 16) Comp, G.S. and T.L. Crisman. 1979. Factors affecting the vertical migration of zooplankton in Lake Conway, Orlando, Florida. 34th annual meeting, Florida Academy of Sciences, Miami, Florida.
- 17) Schulze, R.L. and T.L. Crisman. 1979. Preliminary observations on the impact of acid precipitation on the biota of Florida lakes. 34th annual meeting, Florida Academy of Sciences, Miami, Florida.
- 18) Allinson, J.N. and T.L. Crisman. 1979. Seasonal variation in autotrophic and heterotrophic communities of the eutrophic Oklawaha lakes, Florida. 42nd annual meeting, American Society of Limnology and Oceanography. State University of New York, Stony Brook.
- 19) Crisman, T.L. and F.M. Kooijman. 1979. Biotic response to the introduction of white amur into Lake Conway, Florida: Results from the second poststocking year. 14th annual Aquatic Plant Control Research Program. U.S. Army Corps of Engineers, Lake Eufaula, Oklahoma.
- 20) Crisman, T.L. 1980. Fish/Zooplankton/Algae Interactions. U.S. EPA Workshop on Algae Management and Control, Monterey, CA. (Invited Presentation).

- 21) Crisman, T.L., R.L. Schulze, P.L. Brezonik, C.D. Hendry, and J.A. Bloom. 1980. Acid precipitation: The biotic response in Florida lakes. International Conference on the Ecological Impact of Acid Precipitation. Sandefjord, Norway.
- 22) Crisman, T.L. and P.L. Brezonik. 1980. Acid Rain: Threat to sensitive aquatic ecosystems. 73rd Annual Meeting of Air Pollution Control Association, Montreal, Canada.
- 23) Crisman, T.L., J.R. Beaver, and J.S. Bays. 1980. Examination of the relative impact of microzooplankton and macrozooplankton on bacteria and algae in Florida lakes. 21st Congress of Societas Internationalis Limnologic, Kyoto, Japan.
- 24) Crisman, T.L. and J.R. Beaver. 1980. Acid precipitation and the response of ciliated protozoans in Florida lakes. 21st Congress of Societas Internationalis Limnologic, Kyoto, Japan.
- 25) Crisman, T.L. 1980. Paleolimnological studies of short cores in Florida. 21st Congress of Societas Internationalis Limnologic, Kyoto, Japan.
- 26) Schulze, R., T.L. Crisman, P.L. Brezonik and C. Hendry. 1980. Biotic responses to the acidification of Florida lakes by acid precipitation. Second annual winter meeting, American Society of Limnology and Oceanography. University of Southern California, Los Angeles, CA.
- 27) Beaver, J.R. and T.L. Crisman. 1980. Distribution of planktonic ciliates in 23 Florida lakes of varying trophic state: preliminary results. Second annual winter meeting, American Society of Limnology and Oceanography. University of Southern California, Los Angeles, CA.
- 28) Bays, J.S. and T.L. Crisman. 1980. Zooplankton seasonal cycles in Florida and their relationship to lake trophic state. 43rd annual meeting, American Society of Limnology and Oceanography. University of Tennessee, Knoxville.
- 29) Beaver, J.R. and T.L. Crisman. 1980. Seasonality of planktonic ciliated protozoa in Florida lakes of varying trophic state. 42nd annual meeting, American Society of Limnology and Oceanography. University of Tennessee, Knoxville.
- 30) Kennedy, H.M. and T.L. Crisman. 1980. The viability of algae after passage through the gizzard shad, Dorosoma cepedianum (LeSeur). Fourth Annual Meeting, Florida Field Biologists. Boca Raton, Florida.
- 31) Crisman, T.L. 1980. Biotic response to the introduction of white amur into Lake Conway, Florida: results from the third poststocking year. 15th annual Aquatic Plant Control Research Program. U.S. Army Corps of Engineers, Savannah, Georgia.
- 32) Crisman, T.L. 1981. Acid rain: fact or fallacy. Fourth annual meeting, Florida Association for Water Quality Control. May 19, 1981. Daytona Beach, Florida (Invited Presentation).
- 33) Crisman, T.L., E.S. Deevey, Jr., M.S. Flannery and R.D. Snodgrass. 1981. Recent historical changes in the acidity of Florida lakes. Symposium, "Paleolimnological Studies of Lake Acidification" at the annual meeting, Ecological Society of America, Indiana University, Bloomington. (Invited Presentation).
- 34) Crisman, T.L. 1982. The impact of artificial lake aeration on water-column bacteria and sediments. Aquatic Plant Research Review and Coordinating Meeting, Florida Department of Natural Resources, Orlando, Florida, October 26, 1982.
- 35) Crisman, T.L., P.L. Brezonik, R.W. Bienert, and R.W. Ogburn. 1983. A comparison of biotic responses to the acidification of subtropical and temperate lakes. Annual meeting of NADP, Raleigh, NC.

- 36) Crisman, T.L. and R.W. Bienert. 1983. Perspectives on biotic responses to acidification in Florida lakes. Acid Deposition Science Workshop - Causes and Effects. ICAAS/CENRP, University of Florida, Gainesville.
- 37) Crisman, T.L., P. Scheuerman, R.W. Bienert, J.R. Beaver and J.S. Bays. 1983. A preliminary characterization of bacterioplankton seasonality in subtropical Florida lakes. 22nd Congress of Societas Internationalis Limnologiae, Lyon, France.
- 38) Crisman, T.L., P.R. Scheuerman, A.E. Keller, U.A.M. Crisman and D.J. Medina. 1984. Effect of artificial total water column aeration on heterotrophic bacterial abundance and activity in a eutrophic Florida lake: A preliminary assessment. Aquatic Plant Research Review and Coordination Meeting, Florida Department of Natural Resources, Gainesville, Florida. January 19, 1984.
- 39) Crisman, T.L. 1984. Using the subtropics to test the assumptions and conclusions of past temperate studies on the response of lake biota to progressive acidification. Acid Rain: Impact on Florida and the Southeast. A joint U.S./Canada symposium at University of Central Florida, Orlando. April 27, 1984 (Invited Presentation).
- 40) Crisman, T.L., R.L. Schulze and P.L. Brezonik. 1984. Benthic invertebrate communities of acidic Florida lakes. 32nd annual meeting, North American Benthological Society, North Carolina State University, Raleigh.
- 41) Crisman, T.L. and E.B. Swain. 1984. Recent paleolimnology of Brownie Lake, Minnesota: Midge and cladoceran responses to cultural eutrophication and biogenic meromixis. 47th annual meeting, American Society of Limnology and Oceanography. University of British Columbia, Vancouver.
- 42) Keller, A.E., T.L. Crisman, and H.L. Schramm, Jr. 1984. Fish-pH relationships in subtropical Florida lakes: A preliminary assessment. 114th annual meeting, American Fisheries Society. Cornell University, Ithaca, NY.
- 43) Crisman, T.L., R.W. Bienert, Jr., A.E. Keller, R.A. Garren, and C.L. Clarkson. 1984. A comparison of temperate and subtropical biotic responses to acidification: A preliminary assessment of the influence of changing littoral-planktonic interactions on lake ecosystem function. ASTM sponsored symposium entitled: Impact of Acid Rain and Deposition on Aquatic Biological Systems. Fort Lauderdale, Florida.
- 44) Crisman, T.L. and M.W. Binford. 1985. Interpretation of bryozoan microfossils in lacustrine sediment cores. 4th International Symposium on Paleolimnology. Ossiach, Austria.
- 45) Crisman, T.L. 1985. The use of chironomid head capsules in reconstructing the history of acidic lakes. 4th International Symposium on Paleolimnology. Ossiach, Austria.
- 46) Crisman, T.L. 1985. Relationships between subfossil midges in surface sediments and water chemistry for lakes in the Ocala National Forest, Florida, Paleoecological Reconstruction of Recent Lake Acidification (PIRLA) Conference. University of Florida, Gainesville.
- 47) Crisman, T.L. 1986. The chemical and biological status of Lake Apopka. Lake Apopka Restoration Council Meeting. Montverde, Florida. January 28, 1986. (Invited Presentation).
- 48) Haack, S.K., G.R. Best, and T.L. Crisman. 1986. Changes in aquatic macroinvertebrate community structure along environmental gradients within a titi shrub swamp in northern Florida. Symposium on Freshwater Wetlands and Wildlife. Savannah River Ecology Laboratory. Charleston, SC.

- 49) Crisman, T.L. 1986. The use of subfossil benthic invertebrates in aquatic resource management. 10th American Society for Testing and Materials (ASTM) Aquatic Toxicology and Hazard Assessment, New Orleans, LA (Invited Presentation).
- 50) Crisman, T.L. 1986. Bass and acid rain. Bass Research Foundation Bass Symposium. University of Oklahoma Biological Station. Kingston, OK (Invited Presentation).
- 51) Crisman, T.L. and U.A.M. Crisman. 1987. Subtropical chaoborid populations and their representation in the paleolimnological record. 23rd Congress of Societas Internationalis Limnologiae, Hamilton, New Zealand.
- 52) Beaver, J.R. and T.L. Crisman. 1987. Community structure of planktonic ciliated protozoans as indicators of lake trophic state. 51st Annual Meeting of Florida Academy of Sciences, Orlando, Florida.
- 53) Bienert, R.W., J.R. Beaver, and T.L. Crisman. 1987. The contribution of a large ciliated protozoan (Stentor niger) to zooplankton biomass in an acidic, subtropical lake: Important implications for trophic organization and food-web dynamics in oligotrophic Florida lakes. 50th Annual Meeting of American Society of Limnology and Oceanography. University of Wisconsin, Madison.
- 54) Beaver, J.R. and T.L. Crisman. 1987. Prediction of subtropical ciliated protozoan community structure based on lake trophy. 50th Annual Meeting of American Society of Limnology and Oceanography. University of Wisconsin, Madison.
- 55) Sweets, P.R. and C.D. Pollman, R.W. Bienert, Jr., T.L. Crisman, and M.W. Binford. 1987. Paleolimnology and watershed modelling: Examining the hypotheses for current lake acidity in northern Florida. Annual Meeting AIBS, ISEM/ESA sponsored symposium entitled Recent Lake Acidification Trends in North America: Paleoecological Evidence. Ohio State University, Columbus.
- 56) Beaver, J.R. and T.L. Crisman. 1987. Planktonic ciliated protozoa as indicators of pollution in Florida lakes. Annual Meeting, American Water Works Association, Florida Section, Jacksonville, FL.
- 57) Crisman, T.L. 1988. The use of subfossil chironomids for assessing water quality in Florida lakes. Third Semi-Annual Meeting, Florida Association of Benthologists, Mote Marine Laboratory, Sarasota, FL.
- 58) Crisman, T.L. 1988. The structure and function of natural lakes of the warm temperate-subtropical transition in the southeastern United States. 49th Annual Meeting, Association of Southeastern Biologists, Biloxi, MS (Invited Presentation).
- 59) Crisman, T.L. 1988. Macroinvertebrate communities of the Oklawaha Chain of Lakes. 52nd Annual Meeting, Florida Academy of Sciences, University of Tampa, Tampa, FL.
- 60) Meier, H. and T.L. Crisman. 1988. Macroinvertebrate community structure in a Florida sand bottom stream. 52nd Annual Meeting, Florida Academy of Sciences, University of Tampa, Tampa, FL.
- 61) Keller, A.E., T.L. Crisman, S. McKinney, and T. Goldsby. 1988. The loss of black crappie from Lake Weir, Florida: A toxicological problem? 52nd Annual Meeting, Florida Academy of Sciences, University of Tampa, FL.
- 62) Jones, J.K. and T.L. Crisman. 1988. The use of citizen-based Secchi disk monitoring programs for assessing the impact of non-point nutrient sources on lakes. 52nd Annual Meeting, Florida Academy of Sciences, University of Tampa, Tampa, FL.

- 63) Beaver, J.R., T.L. Crisman, and R.W. Bienert, Jr. 1988. Contribution of myxotrophic ciliates to the biomass of both subtropical lakes. 51st Annual Meeting, American Society of Limnology and Oceanography, University of Colorado, Boulder, CO.
- 64) Crisman, T.L. and J.R. Beaver. 1988. Shad and Tilapia impact on plankton structure and community metabolism in a eutrophic subtropical Florida lake. 51st Annual Meeting, American Society of Limnology and Oceanography, University of Colorado, Boulder, CO.
- 65) Crisman, T.L. 1989. Management activities at Lake Maxinkuckee, Marshall County, IN. 1989 Indiana Lake Management Conference, Warsaw, IN. (Invited Presentation).
- 66) Crisman, T.L. and W.B. Eviston. 1989. Created wetlands for reversing the effects of wetland destruction at two Indiana lakes. 10th Annual Meeting, Society of Wetland Scientists, Orlando, FL.
- 67) Crisman, T.L. 1989. Sediment cores to document lake water quality history. 4th Annual Florida Lake Management Conference, Winter Haven, FL. (Invited Presentation).
- 68) Crisman, T.L. 1989. An overview of the biotic structure and function of natural lakes in the southeastern U.S.. Special Session: Southeastern Reservoirs and Lakes: A Regional Perspective on Processes and Use. 52nd Annual Meeting, American Society of Limnology and Oceanography, Fairbanks, AK. (Invited Presentation with Honorarium).
- 69) Beaver, J.R. and T.L. Crisman. 1989. Temporal dynamics of autotrophic and microheterotrophic communities in natural lakes of the southeastern U.S. with emphasis on latitudinal gradients. Special Session: Southeastern Reservoirs and Lakes: A Regional Perspective on Processes and Use. 52nd Annual Meeting, American Society of Limnology and Oceanography, Fairbanks, AK. (Invited Presentation with Honorarium).
- 70) Crisman, T.L. and J.R. Beaver. 1989. A latitudinal assessment of distribution patterns in chaoborid abundance for eastern North American lakes. 24th Congress, Societas Internationalis Limnologie, Munich, West Germany.
- 71) Beaver, J.R. and T.L. Crisman. 1989. Use of microzooplankton as an early indicator of advancing cultural eutrophication. 24th Congress, Societas Internationalis Limnologie, Munich, West Germany.
- 72) Crisman, T.L. and J.R. Beaver. 1989. Applicability of planktonic biomanipulation for managing eutrophication in the subtropics. Conference entitled: Biomanipulation Tool for Water Management. Amsterdam, Netherlands.
- 73) Beaver, J.R. and T.L. Crisman. 1989. Replacement of an endemic pump-filter feeding fish by an exotic ecological equivalent and its impact on plankton structure and function in subtropical lakes. Conference entitled: Biomanipulation Tool for Water Management. Amsterdam, Netherlands.
- 74) Keller, A.E. and T.L. Crisman. 1989. Acute toxicity of several metals and organic compounds to the freshwater mussel Anodonta imbecilis. 10th Annual Meeting SETAC, Toronto, Canada.
- 75) Crisman, T.L., J.R. Beaver, E.F. Lowe, and G.D. Hall. 1989. A three-phase management plan for eutrophic Lake Apopka, Florida: Preliminary data from Phase I. 9th Annual International Symposium on Lake and Reservoir Management, North American Lake Management Society, Austin, TX.
- 76) Brock, R.J., J.R. Beaver, and T.L. Crisman. 1989. Corbicula fluminea: Exotic nuisance or biomanipulation tool for subtropical lakes? 9th Annual International Symposium on Lake and Reservoir Management, North American Lake Management Society, Austin, TX.

- 77) Beaver, J.R. and T.L. Crisman. 1989. Commercial harvesting of rough fish in hypereutrophic Florida lakes as a nutrient removal technique. 9th Annual International Symposium on Lake and Reservoir Management, North American Lake Management Society, Austin, TX
- 78) Gottgens, J.F. and T.L. Crisman. 1989. Removal of organic matter and nutrients using a short-term partial drawdown. 9th Annual International Symposium on Lake and Reservoir Management, North American Lake Management Society, Austin, TX.
- 79) Crisman, T.L. and J.K. Jones. 1989. The use of citizen-based Secchi disk monitoring programs for assessing point and nonpoint source pollution. 9th Annual International Symposium on Lake and Reservoir Management, North American Lake Management Society, Austin, TX.
- 80) Crisman, T.L. 1990. A paleolimnological perspective on mercury and other contaminants in lacustrine environments. Annual Meeting, Florida Chapter, American Fisheries Society (Invited Presentation).
- 81) Brock, R.J., T.L. Crisman, and J.L. Hulbert. 1990. The need to delineate the ecological role of the exotic clam Corbicula fluminea in Florida freshwater habitats. 54th Annual Meeting, Florida Academy of Sciences, Florida Institute of Technology, Melbourne, FL.
- 82) Kiefer, J.H., V. Nilakantan, J.R. Beaver, T.L. Crisman, and P.V. Zimba. 1990. Bacterioplankton-trophic state relationships in Lake Okeechobee. 54th Annual Meeting, Florida Academy of Sciences, Florida Institute of Technology, Melbourne, FL.
- 83) Brock, R.J. and T.L. Crisman. 1990. Can Corbicula distributions in North American lakes serve as a model for the spread of Dreissena polymorpha? 53rd Annual Meeting, American Society of Limnology and Oceanography, College of William and Mary, Williamsburg, VA.
- 84) Crisman, T.L. and J.R. Beaver. 1990. Interactions between planktivorous, benthivorous and littoral fish and plankton in Lake Okeechobee, Florida. 53rd Annual Meeting, American Society of Limnology and Oceanography, College of William and Mary, Williamsburg, VA.
- 85) Beaver, J.R., T.L. Crisman, and P.V. Zimba. 1990. Spatial and temporal dynamics of littoral and pelagic zooplankton communities in Lake Okeechobee, Florida. 53rd Annual Meeting, American Society of Limnology and Oceanography, College of William and Mary, Williamsburg, VA.
- 86) Gottgens, J.F. and T.L. Crisman. 1990. Quantitative impacts of lake level stabilization on material transfer between water and sediment in Newnans Lake, Florida. 53rd Annual Meeting, American Society of Limnology and Oceanography, College of William and Mary, Williamsburg, VA.
- 87) Kiefer, J.H., J.R. Beaver, T.L. Crisman, V. Nilakantan, and P.V. Zimba. 1990. Bacterioplankton dynamics in Lake Okeechobee. 53rd Annual Meeting, American Society of Limnology and Oceanography, College of William and Mary, Williamsburg, VA.
- 88) Crisman, T.L. 1990. A review of fifteen years of research on the structure and function of Florida acidic lakes. Florida Acidic Deposition Conference, Tampa, Florida. (Invited Presentation).
- 89) Brock, R.J. and T.L. Crisman. 1990. Effects of the filter-feeding clam, Corbicula, on larval fish survivability. 10th Annual International Symposium on Lake, Reservoir and Watershed Management, North American Lake Management Society, Springfield, MA.
- 90) Crisman, T.L. and J.R. Jones. 1990. Paleolimnological investigation of the effects of water level stabilization on Lake Weir, Florida. 10th Annual International Symposium on Lake, Reservoir and Watershed Management, North American Lake Management Society, Springfield, MA.

- 91) Kiefer, J.H. and T.L. Crisman. 1990. Age related changes in the chemistry and trophic state of wetlands constructed on phosphate mined lands. 10th Annual International Symposium on Lake, Reservoir and Watershed Management, North American Lake Management Society, Springfield, MA.
- 92) Crisman, T.L. 1990. Assessing the impact of acid deposition on the biota of Florida lakes. Conference entitled Acid Rain: Public Policy Choices, Center for Governmental Responsibility, Orlando, FL. (Invited Presentation).
- 93) Crisman, T.L. 1990. The feasibility of using exotic bivalve molluscs as a biofilter in aquacultural systems. Bionetics/NASA, Cape Canaveral, FL (Invited Presentation).
- 94) Crisman, T.L. 1991. Exotic species and their effect on native plant populations. 11th Annual Meeting, Midwest Aquatic Plant Management Society, East Lansing, MI. (Invited Presentation).
- 95) Crisman, T.L. 1991. Exotic species and impact on freshwater ecosystems. Symposium entitled: Exotic Species: Impact on Michigan Waters, Michigan Chapter, North American Lake Management Society, East Lansing, MI. (Invited Keynote Presentation).
- 96) Crisman, T.L. 1991. Aquatic ecology in Florida: past, present, and future. 6th Annual Meeting, Florida Lake Management Conference, Lakes Education/Action Drive (LE/AD), Winter Haven, FL. (Invited Presentation).
- 97) Crisman, T.L., J.H. Kiefer, A. Neugaard, and D. Evans. 1991. Age related changes of nutrient processing and aquatic invertebrate communities in wetlands constructed on phosphate mined lands. 3rd Annual Conference, Society for Ecological Restoration, Orlando, FL.
- 98) Crisman, T.L., R.J. Brock, and J.R. Beaver. 1991. Potential of exotic planktivores for managing eutrophic subtropical lakes. 3rd Annual Conference, Society for Ecological Restoration, Orlando, FL.
- 99) Fernandes, C.A. and T.L. Crisman. 1991. Long-term responses of a eutrophic tropical lake to copper sulphate application for algal management. 3rd Annual Conference, Society for Ecological Restoration, Orlando, FL.
- 100) Nilakantan, V. and T.L. Crisman. 1991. Narmada Valley Restoration and the Sardar Sarovar Project - possibilities of restoration. 3rd Annual Conference, Society for Ecological Restoration, Orlando, FL.
- 101) Gottgens, J.F., T.L. Crisman, and W.E. Bolch. 1991. Lead-210 and cesium-137 dating of soft lake sediments using low-energy gamma-ray spectroscopy. 55th Annual Meeting, Florida Academy of Sciences, St. Leo College, St. Leo, FL.
- 102) Fernandes, C.A. and T.L. Crisman. 1991. Evidence of algal succession due to seasonality in two Brazilian lakes. 55th Annual Meeting, Florida Academy of Sciences, St. Leo College, St. Leo, FL.
- 103) Nilakantan, V. and T.L. Crisman. 1991. Comparative grazing effects of Chydorus sphaericus on blue-green algae and attached bacteria. 55th Annual Meeting, Florida Academy of Sciences, St. Leo College, St. Leo, FL.
- 104) Brock, R.J. and T.L. Crisman. 1991. The importance of including benthic analysis in the limnological assessment of shallow lakes. 54th Annual Meeting, American Society of Limnology and Oceanography, Bedford Institute of Oceanography, Halifax, Nova Scotia, Canada.
- 105) Gottgens, J.F. and T.L. Crisman. 1991. Redistribution of organic sediments in a shallow lake following partial drawdown. 54th Annual Meeting, American Society of Limnology and Oceanography, Bedford Institute of Oceanography, Halifax, Nova Scotia, Canada.

- 106) Crisman, T.L., R.J. Brock, and W. Courtenay. 1991. The ecological effects of exotic species in North American lakes. 20th Assembly of the IUGG, IAHS - Hydrology of Natural and Manmade Lakes, Vienna, Austria.
- 107) Crisman, T.L. and J.H. Kiefer. 1991. Successional trends in the structure and function of constructed wetlands on phosphate mined lands. Annual Meeting, National Association of State Land Reclamationists, Orlando, FL. (Invited Presentation).
- 108) Crisman, T.L. 1991. Utilization of established exotic species as biomanipulation tools for lake management. Symposium entitled: Biological Pollution: The Control and Impact of Invasive Exotic Species, Indiana Academy of Sciences, Indianapolis. (Invited Presentation).
- 109) Fernandes, C.A. and T.L. Crisman. 1991. Lake Paranoa: Management of a subtropical urban reservoir. 11th Annual Meeting, North American Lake Management Society, Denver, CO.
- 110) Nilakantan, V., T.L. Crisman, E.J. Phlips, and J.R. Beaver. 1991. Bacterioplankton dynamics in some Florida lakes. 11th Annual Meeting, North American Lake Management Society, Denver, CO.
- 111) Crisman, T.L. and J.F. Gottgens. 1991. Paleolimnological evaluation of the effectiveness of a constructed wetland as a nutrient/sediment trap. 11th Annual Meeting, North American Lake Management Society, Denver, CO.
- 112) Schaberg, B.A., J.R. Beaver, and T.L. Crisman. 1991. Effects of organic color on prediction of gross primary productivity in Florida lakes. 11th Annual Meeting, North American Lake Management Society, Denver, CO.
- 113) Beaver, J.R., T.L. Crisman, and B.A. Schaberg. 1991. Zooplankton biomass-trophic state-organic color relationships in Florida lakes. 11th Annual Meeting, North American Lake Management Society, Denver, CO.
- 114) Gottgens, J.F., T.L. Crisman, L. Lars, H. van Rinsvelt, W. Maenhaut, and W.E. Bolch. 1992. Paleolimnological assessment of the contribution of residential development and peat bog drainage on the trophic state of Fish Lake, Indiana. Annual Meeting, American Society of Limnology and Oceanography, Sante Fe, NM.
- 115) Crisman, T.L. and J.F. Gottgens. 1992. A paleolimnological perspective on the progressive loss of cisco (*Coregonus artedii*) from northern Indiana lakes. Annual Meeting, American Society of Limnology and Oceanography, Sante Fe, NM.
- 116) Crisman, T.L. 1992. Applicability of the subtropical experience for the management and conservation of aquatic resources in the tropics. United Nations Conference on the Environment and Development. Florida Division of United Nations Association, Gainesville, FL. (Invited Presentation).
- 117) Crisman, T.L. 1992. Wetlands and aquatic systems: stresses and potentials. Symposium entitled: Sustainability in Africa: Integrating Concepts. 1992 Carter Lecture Series, University of Florida.
- 118) Crisman, T.L. 1992. Observed and potential impact of exotic fauna on Florida lakes. 7th Annual Florida Lake Management Conference, Winter Haven, FL. (Invited Presentation).
- 119) Kiefer, J.H. and T.L. Crisman. 1992. Design considerations influencing water quality and plant communities in reclaimed freshwater marshes. 19th Annual Conference on Wetlands Restoration and Creation, Tampa, FL.

- 120) Streever, W.J. and T.L. Crisman. 1992. Thoughts on sampling strategies in comparative wetland faunal studies. 19th Annual Conference on Wetlands Restoration and Creation, Tampa, FL.
- 121) Crisman, T.L. and R.J. Brock. 1992. Direct and indirect alterations of planktonic food web structure attributable to the filter-feeding clam Corbicula fluminea. Symposium entitled: The Biology and Impact of Exotic Species on North American Freshwaters. Annual Meeting of North American Benthological Society, Louisville, KY. (Invited Presentation).
- 122) Brock, R.J. and T.L. Crisman. 1992. Viability of algal cells in the pseudofeces of the Asiatic clam, Corbicula fluminea, and the implications for lake management. Symposium entitled: The Biology and Impact of Exotic Species on North American Freshwaters. Annual Meeting of North American Benthological Society, Louisville, KY. (Invited Presentation).
- 123) Kiefer, J.H. and T.L. Crisman. 1992. Use of botanical indicators as success criteria for constructed freshwater marshes. 13th Annual Meeting Society of Wetland Scientists, New Orleans, LA.
- 124) Streever, W.J. and T.L. Crisman. 1992. Chydorid cladoceran assemblages of herbaceous marshes in central Florida. 13th Annual Meeting Society of Wetland Scientists, New Orleans, LA.
- 125) Delfino, J.J., B.E. Rood, C.D. Earle, J.F. Gottgens and T.L. Crisman. 1992. Mercury accumulations in sediments and soils of the Everglades: Initial findings. 29th Annual Pesticide Residue Workshop, St. Petersburg, FL.
- 126) Crisman, T.L. and N.M. Gourlie. 1992. Survival and grazing rates of *Diaptomus floridanus* in acidic Florida lakes. 25th Congress, Societas Internationalis Limnologie, Barcelona, Spain.
- 127) Fernandes, C.A. and T.L. Crisman. 1992. Lake Paranoa: Management approaches for a tropical urban reservoir. 25th Congress, Societas Internationalis Limnologie, Barcelona, Spain.
- 128) Philips, E.J., P.V. Zimba, M.S. Hopson and T.L. Crisman. 1992. Dynamics of the plankton community in submerged plant dominated regions of Lake Okeechobee, Florida. 25th Congress, Societas Internationalis Limnologie, Barcelona, Spain.
- 129) Streever, W.J., J.F. Gottgens and T.L. Crisman. 1992. Patterns of sediment flux in a subtropical permanently flooded cave system. 25th Congress, Societas Internationalis Limnologie, Barcelona, Spain.
- 130) Kiefer, J.H. and T.L. Crisman. 1992. Developmental trends in water quality and related functions of constructed freshwater marshes. 4th International Wetlands Conference, Columbus, OH.
- 131) Crisman, T.L. and W.J. Streever. 1992. Comparison of chydorid cladoceran communities of wetlands and lake littoral zones and their use in trophic state assessment. 4th International Wetlands Conference, Columbus, OH.
- 132) Streever, W.J. and T.L. Crisman. 1992. Comparative fish community structure in created and natural freshwater marshes in central Florida. 4th International Wetlands Conference, Columbus, OH.
- 133) Fernandes, C.A., A.J.A. Rocha, T.L. Crisman and G. Medley. 1993. Lake Hollingsworth, Florida: Twenty-four hour profile of some physico-chemical parameters. 57th Annual Meeting, Florida Academy of Sciences, St. Petersburg, FL.
- 134) Gottgens, J.F., B.E. Rood, C.D.A. Earle, J.J. Delfino and T.L. Crisman. 1993. Increased mercury accumulation rates in Florida Everglades sediment. Annual Meeting, American Society of Limnology and Oceanography, Edmondton, Alberta, Canada.

- 135) Rood, B., J. Delfino, J. Gottgens, C. Earle, T. Crisman, L. Garcia and N. Ushakoff. 1993. Increased mercury accumulations rates in Florida Everglades sediment. Division of Environmental Chemistry, American Chemical Society. Denver, CO.
- 136) Crisman, T.L. 1994. Using the Florida reclamation experience to promote sustainable development on mined lands in the Third World. Florida Section, American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc. (AIME), Lakeland, Florida (Invited Presentation).
- 137) Bitter, G.W., W.J. Streever and T.L. Crisman. 1994. A review of benthic invertebrate monitoring data from wetlands constructed on phosphate-mined lands. 58th Annual Meeting, Florida Academy of Sciences, Tallahassee, FL.
- 138) Goodkin, L.O., T.L. Crisman and J.D. Williams. 1994. Temperature and salinity tolerance of selected nonindigenous fishes established or collected in the state of Florida. 58th Annual Meeting, Florida Academy of Sciences, Tallahassee, FL.
- 139) Kuntz, H.C. and T.L. Crisman. 1994. Little Lake Weir: A paleolimnological study of progressive eutrophication. 58th Annual Meeting, Florida Academy of Sciences, Tallahassee, FL.
- 140) Crisman, T.L. 1994. Planktonic food web dynamics of Lake Apopka. 5th Annual Florida Lake Management Symposium. Florida Lake Management Society/Lake Education-Action Drive. Orlando, FL (Invited Presentation).
- 141) Fernandes, C.A., J. Gottgens, T.L. Crisman and G. Medley. 1994. Paleolimnology and chemical stratigraphy in two central Florida urban lakes. 5th Annual Florida Lake Management Symposium. Florida Lake Management Society/Lake Education-Action Drive. Orlando, FL.
- 142) Crisman, T.L. and W.J. Streever. 1994. Using the Florida experience as a model for lake and wetland management in the subtropics and tropics. International Conference on Tropical Limnology in Commemoration of the 65th Anniversary of the Ruttner-Thienemann Limnological SUNDA Expedition. Salatiga, Indonesia.
- 143) Streever, W.J. and T.L. Crisman. 1994. Constructing freshwater wetlands: the subtropical perspective. International Conference on Tropical Limnology in Commemoration of the 65th Anniversary of the Ruttner-Thienemann Limnological SUNDA Expedition. Salatiga, Indonesia.
- 144) Crisman, T.L. 1994. The role of biomanipulation in the management of freshwater ecosystems in MERCOSUL countries. Seminar on the Quality of Continental Waters of MERCOSUL, Sociedade Brasileira de Limnologia/Instituto Argentino de Recursos Hidricos/Instituto de Pesquisas Hidraulicas, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil. (Invited Presentation).
- 145) Cooper, A.T., D.Y. Goswami, S.S. Block and T.L. Crisman. 1994. Solar detoxification for portable water treatment in developing countries in the tropics. ASES Annual Conference. Toronto, Canada.
- 146) Crisman, T.L. 1995. Freshwater aquatic ecosystems (lakes and rivers) of Florida. Symposium entitled: Ecosystems of Florida: Conserving and Managing for the Future. Society of American Foresters, Gainesville, FL.. (Invited Presentation).
- 147) Leslie, A.J., C.M. Keenan and T.L. Crisman. 1995. Structure of benthic invertebrate communities in north Florida cypress domes. 16th Annual Meeting, Society of Wetland Scientists, Boston, MA.
- 148) Crisman, T.L. 1995. A historical perspective on biomanipulation in South America and projections for its use in lake and reservoir management. 26th Congress, Societas Internationalis Limnologie, Sao Paulo, Brazil.

- 149) Beaver, J.R. and T.L. Crisman. 1995. The importance of fish standing crop in limnetic nutrient budgets. 26th Congress, Societas Internationalis Limnologie, Sao Paulo, Brazil.
- 150) Chapman, L.J., C.A. Chapman and T.L. Crisman 1995. The role of wetlands in the maintenance of fish faunal structure and diversity in the Lake Victoria basin. 26th Congress, Societas Internationalis Limnologie, Sao Paulo, Brazil.
- 151) Streever, W.J., J.F. Gottgens, B.E. Rood and T.L. Crisman. 1995. Paleo-speleo: ^{210}Pb dating of sediments from flooded caves. 26th Congress, Societas Internationalis Limnologie, Sao Paulo, Brazil.
- 152) Crisman, T.L. 1995. Transferring the subtropical experience in natural systems: Technology for treating wastes in tropical countries. Second International Conference on Ecological Engineering for Wastewater Treatment. Waedenswil, Switzerland. (Invited Presentation).
- 153) Chapman, C.A., L.J. Chapman and T.L. Crisman. 1996. Variation in the distribution of oxygen and introduced Tilapia in a Uganda crater lake: fisheries implications. Annual Meeting. American Fisheries Society. Denver, CO.
- 154) Crisman, T.L. 1997. El uso de los pantanos o Wetlands como tecnologia natural para el tratamiento de efluentes de las aguas de mina y de las aguas servidas o desogues en las ciudades. Instituto de Ingenieros de Minas del Peru, Lima (Invited Presentation).
- 155) Crisman, T.L. 1998. Exporting the Florida engineering experience with sustainable wetland utilization. Symposium entitled: Hot Topics and Current Issues in Water Resources and Environmental Management. American Society of Civil Engineers, Tampa, FL (Invited Presentation).
- 156) Calzada-Bujak, I., L. Serrano, J. Toja, T.L. Crisman and F. Garcia-Novo. 1998. Phosphorus dynamics in a Mediterranean temporary pond, Donana National Park, Spain. 27th Congress, Societas Internationalis Limnologie, Dublin, Ireland.
- 157) Otto, G.M., M.W. Clark, T.L. Crisman and T.J. Walker. 1998. Redesign and restoration of a stormwater retention pond for improved appearance, function, and education. 27th Congress, Societas Internationalis Limnologie, Dublin, Ireland.
- 158) Crisman, T.L., J. Prenger, L.J. Chapman and C.A. Chapman. 1998. Cultural eutrophication of a Ugandan highland crater lake: a twenty-five year comparison of limnological parameters. 27th Congress, Societas Internationalis Limnologie, Dublin, Ireland.
- 159) Osborne, T.Z., L.J. Chapman, C.A. Chapman, T.L. Crisman, J. Prenger, S. Nyguen and E. Stecker. 1998. Invertebrate community structure and oxygen availability in an intermittent stream/wetland system of the Ugandan highlands. 27th Congress, Societas Internationalis Limnologie, Dublin, Ireland.
- 160) Chapman, L.J., C.A. Chapman, T.L. Crisman and J. Prenger. 1998. Predictors of seasonal oxygen levels in a Ugandan swamp/river system: a 3-year profile. 27th Congress, Societas Internationalis Limnologie, Dublin, Ireland.
- 161) Crisman, T.L. 1998. The value of NGO's as integrators of agriculture, conservation and local economies for the management of tropical and subtropical wetlands. 25th Anniversary Symposium, Center for Wetlands, University of Florida, Gainesville.
- 162) Fowlkes, M.D., J.L. Michael, T.L. Crisman and J. Prenger. 1998. Effects of the herbicide imazapyr on macroinvertebrates in a logged pond/cypress dome. 12th Annual Meeting. Florida Association of Benthologists. Gainesville, FL.

- 163) Stallman, C., T.L. Crisman and F.E. Esteves. 1999. Sediment Composition of Two Tropical Coastal Freshwater Ponds, Macae, RJ, Brazil. 63rd Annual Meeting, Florida Academy of Sciences, University of South Florida.
- 164) Crisman, T.L., L.J. Chapman and C.A. Chapman. 1999. Incorporating wetland ecotones in the management and conservation of freshwater ecosystems of Africa. A Symposium on Aquatic Conservation and Management in Africa. 1999 Carter Lecture Series, University of Florida. Gainesville, FL.
- 165) Roberts, C.R. and T.L. Crisman. 1999. Fish responses to hydrological renovation of a pondcypress strand in Tate's Hell Swamp, Florida. 20th Annual Meeting, Society of Wetlands Scientists, Norfolk, VA.
- 166) Fowlkes, M.D., J.P. Prenger, T.L. Crisman, C. Abramchik and J.L. Michael. 1999. Short term impact of fire and drought on macroinvertebrates in pondcypress domes. 20th Annual Meeting, Society of Wetlands Scientists, Norfolk, VA.
- 167) Osborne, T.Z., T.L. Crisman, L.C. Chapman and C.A. Chapman. 1999. Dissolved organic carbon and fine particulate organic carbon dynamics in a tropical highland stream-wetland system. 20th Annual Meeting, Society of Wetlands Scientists, Norfolk, VA.
- 168) Prenger, J.P., P. Krottje, T.L. Crisman and D.J. Cairns. 1999. Biological monitoring and assessment of hydrologic restoration of Tate's Hell Swamp, Florida. 20th Annual Meeting, Society of Wetlands Scientists, Norfolk, VA.
- 169) McWalter, K.J., G.M. Otto and T.L. Crisman. 1999. Aerial canopy architecture of African papyrus swamps. 20th Annual Meeting, Society of Wetlands Scientists, Norfolk, VA.
- 170) Crisman, T.L. 1999. Establishing intra and international communication linkages for sound wetland management in the subtropics and tropics. 20th Annual Meeting, Society of Wetlands Scientists, Norfolk, VA. (Invited Presentation).
- 171) Crisman, T.L. 1999. Conservation of Mediterranean coastal saline ecosystems: The role of the private sector in maintaining ecological function. Post Conference Symposium entitled Saltworks: Preserving Saline Coastal Ecosystems. 6th International Conference on Environmental Science & Technology. Pythagorion, Samos, Greece. (Invited Presentation).
- 172) Crisman, T.L. 1999. Wetland ecotones and the role of the private sector in aquatic conservation. Second world conference on preservation and sustainable development in the Pantanal. Washington, D.C.. (Invited Presentation).
- 173) Crisman, T.L. and J.P. Prenger. 1999. Wetlands and archaeology: The role of ecosystem structure and processes. International Wetlands Archaeology Conference (WARP). Gainesville, FL. (Invited Presentation).
- 174) Calzada-Bujak, I., J.R. White, K.R. Reddy, and T.L. Crisman. 2000. Effects of drawdown on phosphorus dynamics of a subtropical constructed wetland. 6th International Wetland Symposium, International Association of Ecology. Quebec, Canada.
- 175) Hayworth, J., T.L. Crisman and J. Prenger. 2000. Response of benthic macroinvertebrates to short-term drawdown. 6th International Wetland Symposium, International Association of Ecology. Quebec, Canada.

- 176) Crisman, T.L. 2000. Development of multiple approaches for the sustainable management of Greek wetlands. *Theophrastus 2000: Biodiversity and Natural Heritage in the Aegean*. Eressos, Lesvos, Greece. (Invited Presentation).
- 177) Crisman, T.L. 2000. Historical trends in integrating natural habitats into golf courses of southwest Florida. *Coastal Management Workshops: Best Management Practices for Golf Courses*, NOAA/Florida Department of Environmental Protection. Naples, FL. (Invited Presentation).
- 178) Crisman, T.L. and W. Heinzl. 2000. GREEN-Golf Research Environmental Engineering Network. *Golf Course International 2000: International Conference on Golf Course Planning, Construction and Maintenance*. Frankfurt, Germany. (Invited Presentation).
- 179) Crisman, T.L. 2001. The role of constructed wetlands for water quality improvement and natural resources management. *International Conference on New Developments in Research and Innovative Products in Information, Environmental, Agrobio, and Water Management Technologies*. Initiative for Technology Cooperation in the Balkans (ITCB), Thessaloniki, Greece. (Invited Presentation).
- 180) Crisman, T.L. 2001. Sustainable use of wetlands and the treatment of waste water. *First Conference on the Status of Water*. State Commission of Water and Sanitation, Tuxtla Gutierrez, Chiapas, Mexico. (Invited Presentation).
- 181) Crisman, T.L., C. Mitraki, G. Zalidis and E. Amastasiadis. 2002. Hydrological and cultural eutrophication control of ecosystem stable states in Greek lakes. *International Conference on Limnology of Shallow Lakes*. Balatonfured, Hungary.
- 182) Chapman, L.J., C.A. Chapman and T.L. Crisman. 2002. Habitat patchiness, hypoxia and fish assemblages in an East African wetland. *Environmental Monitoring of Tropical and Subtropical Wetlands*. Harry Oppenheimer Okavango Research Centre. Maun, Botswana.
- 183) Crisman, T.L. 2003. Sustaining wetland ecosystems within urbanizing landscapes: The dilemma of structure versus function. *Florida Environment: A leadership workshop for Earth Day*. Selby Gardens, Sarasota, FL (Invited Presentation).
- 184) Crisman, T.L. 2003. How little water does a wetland need to function?: The reality of transboundary conflicts and water scarcity in the Mediterranean basin, Middle East and Africa. *Ohio State University Wetlands Invitational*, Ohio State University, Columbus, OH. (Invited Presentation).
- 185) Stevens, M.L., S. Alwash, A. Alwash, I. Ali, R. Beilfuss, J. Callaway, B. Coad, T. Crisman, T. Dunne, J. Evans, D. Hamilton, M. Kentula, E. Maltby, H. Partow, C. Richardson, G. Zalidis, J. Zedler, A. Amirebrahimi, S. Amer, J. Bishop, D. Scott, A. Cattarossi, and D. McCroskey. 2003. Building a scientific basis for restoration of the Mesopotamian marshlands: Findings of the International technical advisory panel restoration planning workshop. 24th Annual meeting of Society of Wetland Scientists, New Orleans, LA.
- 186) Mitraki, C., T.L. Crisman and G. Zalidis. 2003. Lake Koronia, Greece: Shift from autotrophy to heterotrophy with cultural eutrophication and progressive water level reduction. *Lake Shores: Ecology, Quality Assessment, Sustainable Development*. Konstanz, Germany.
- 187) Crisman, T.L. 2003. Structure, function and stability of lakes and wetlands relative to altered hydrology: examples from Africa, the Mediterranean and the Middle East. *Wet 'n Wildlife: Current Trends in Limnology and Zoology in Southern Africa*. Joint meeting of South African Society of Aquatic Scientists and Zoological Society of Southern Africa. Cape Town, South Africa. (Invited Plenary Lecture).

- 188) Crisman, T.L. 2003. Responses of Balkan wetlands to cultural eutrophication and altered hydrology: restoring wetland values in the face of increasing abuse. Cultural Olympiad 2001-2004: Roads of Water – Communication Routes of People. Lakes and Rivers of the Balkans. Hellenic Ministry of Culture. Thessaloniki, Greece. (Invited Lecture).
- 189) Crisman, T.L. 2004. Use of the Everglades as a model for large wetland management and restoration in the subtropics and tropics: assessing reality. 19th Annual Conference, The Everglades Coalition. Miami Beach, FL. (Invited Plenary Lecture).
- 190) Talley, B.L. and T.L. Crisman. 2004. Comparison of leaf litter bags vs dipnetting for sampling larval salamanders. The Herpetology Conference, All Florida Herpetology Event. Gainesville, FL.
- 191) Crisman, T.L. 2004. International wetlands in crisis: conservation in the face of increased threats and decreased water. Summer Mtg. American Society of Limnology and Oceanography. Savannah, GA. (Invited Lecture).
- 192) Calzada-Bujak, I. and T.L. Crisman. 2004. Comparison of phosphorus dynamics in two subtropical wetland ecosystems: Donana (Huelva, Spain) and Everglades (Florida, USA). Annual Meeting, Society of Wetland Scientists. Seattle, WA.
- 193) Brock, R.J. and T.L. Crisman. 2004. Assessing the first-order and second-order environmental impact effects of the filter-feeding Asian clam, *Corbicula fluminea*, and the omnivorous African cichlid, *Oreochromis aureus*, under various water quality conditions. 13th International Conference of Aquatic Invasive Species. Ennis, Ireland.
- 194) Talley, B.L. and T.L. Crisman. 2004. Evaluation of Georgia streamside management zone procedures using salamanders: a pre-harvest survey. Riparian Ecosystems and Buffers: Multi-Scale Structure, Function and Management. AWRA Summer Speciality Conference. Olympic Valley, CA.
- 195) Crisman, T.L., G. Zalidis and M. Beklioglu. 2004. Restoration of Lake Koronia, Greece as a model for regional lake and wetland rehabilitation and sustainable management in the eastern Mediterranean basin. III International Meeting on Hydrological Restoration of Wetlands: Donana 2005. Huelva, Spain. (Invited Presentation).
- 196) Beilfuss, R. and T.L. Crisman. 2004. Environmental history of the Mesopotamian Marshes of Iraq and potential for their restoration. III International Meeting on Hydrological Restoration of Wetlands: Donana 2005. Huelva, Spain.
- 197) Talley, B.L. and T.L. Crisman. 2004. Using natural salamander distribution and abundance to predict forested buffer zone effectiveness in first-order streams. 11th Annual Conference, The Wildlife Society. Calgary, Alberta.
- 198) Winn, R., T.L. Crisman and S.W. Golladay. 2004. Aquatic macroinvertebrate assemblages in southwestern Georgia streams. 11th Annual Conference, The Wildlife Society. Calgary, Alberta.
- 199) Miralles, F. and T.L. Crisman. 2004. Ecohydrological principles for wetland management in the eastern Mediterranean and Middle East. Mesopotamian Marshes and Modern Development: Practical Approaches for Sustaining Restored Ecological and Cultural Landscapes. Harvard University, Boston, MA. (Invited Presentation).
- 200) Winn, R.T., T.L. Crisman and S.W. Golladay. 2004. Aquatic macroinvertebrates in southwest Georgia headwater streams. Annual Conference, American Water Resources Association. Orlando. FL.

- 201) Talley, B.L. and T.L. Crisman. 2005. Dry Creek long-term watershed study: buffer zone performance as viable amphibian habitat. 13th Biennial Southern Silvicultural Research Conference. Memphis, TN.
- 202) Griswold, M.W., R. Winn, T.L. Crisman and W.R. White. 2005. Dry Creek long-term watershed study: assessment of immediate response of aquatic macroinvertebrates to watershed level harvesting and thinning of streamside management zones (SMZs). 13th Biennial Southern Silvicultural Research Conference. Memphis, TN.
- 203) Crisman, T.L. 2005. Integrating vertical, horizontal and temporal scales into the restoration and sustainable management of the lower Tigris-Euphrates River basin. ROPME/UNEP High-level Meeting on the Restoration of the Mesopotamian Marshlands (Al-Ahwar). Manama, Bahrain (Invited Presentation).
- 204) Winn, R.T., T.L. Crisman and S.W. Golladay. 2005. Comparison of bioassessment methods for assessing ecological condition of aquatic macroinvertebrate assemblages in Southwest Georgia headwater streams. Georgia Water Resources Conference. Athens, GA.
- 205) Talley, B.L. and T.L. Crisman. 2005. Amphibians in forested riparian zones of Southwestern Georgia. The Herpetology Conference, All Florida Herpetological Event. Gainesville, FL.
- 206) Crisman, T.L., F.R. Miralles-Wilhelm and M. Doyle. 2005. Integrating coastal wetlands into vertical and horizontal management of Chesapeake Bay. 25th Annual Conference, Society of Wetland Scientists, Charleston, SC (Invited Presentation).
- 207) Winn, R.T., M.W. Griswold, S.W. Golladay and T.L. Crisman. 2005. Macroinvertebrate response to drought in undisturbed headwater streams of southwest Georgia. Annual Meeting, 53rd Annual Meeting, North American Benthological Society, New Orleans, LA.
- 208) Crisman, T.L., L.J. Chapman, T.Z. Osborne and C.A. Chapman. 2005. Fingernail clams (*Sphaerium* sp.) in a highland papyrus swamp in Uganda: distribution and role in FPOC and DOC partitioning and export. 25th Annual Conference, Society of Wetland Scientists, Charleston, SC
- 209) Crisman, T.L., W.R. Wise, C.R. Roberts and R.M. Roberts. 2005. Burrowing of the wetland crayfish (*Procambarus alleni*) in response to water table decline. 25th Annual Conference, Society of Wetland Scientists, Charleston, SC
- 210) Crisman, T.L. and F. Miralles-Wilhelm. 2005. Historical and current interactions of people with wetlands. Conference on Traditional Wetland Cultures in Transition, Miami, FL.
- 211) Stevens, M.L., F. R. Miralles-Wilhelm and T.L. Crisman. 2005. Eco-cultural restoration of the Mesopotamian Marshes. Ecological Society of America and INTECOL, Montreal, Canada.
- 212) Crisman, T.L. 2005. Sustainable wetland management in the face of hydrological and agricultural pressures. Humedales 2005: V Simposio Internacional Humedales. Ciénaga de Zapata, Matanzas, Cuba (Invited Presentation).
- 213) Griswold, M.W., R. Winn, and T.L. Crisman. 2005. Logging in streamside management zones (SMZs): The role of altered resources on aquatic biota. 19th Annual Meeting, Florida Association of Benthologists. Palatka, FL.

- 214) Crisman, T.L. 2006. Climate change in Florida. Practice Issues Related to Climate Change in Florida: A Workshop on Needs Assessment and Responses. Center for Environmental Studies, Florida Atlantic University, Palm Beach Gardens, FL (Invited Presentation).
- 215) Crisman, T.L. 2006. Ecohydrology: balancing human and ecosystem needs for water in the face of decreasing global resources. Medalist Presentation. 70th Annual Meeting, Florida Academy of Sciences. Florida Institute of Technology, Melbourne, FL (Invited Presentation).
- 216) Crisman, T.L. and S. Smith. 2006. Science partners in inquiry-based collaborative education (SPICE) grant. 70th Annual Meeting, Florida Academy of Sciences. Florida Institute of Technology, Melbourne, FL (Invited Presentation).
- 217) Griswold, M.W., R. Winn and T.L. Crisman. 2006. Logging in Streamside Management Zones (SMZs): macroinvertebrates as indicators of environmental stress. 14th International Conference on Environmental Bioindicators. International Union of Biological Scientists ((IUBS) Commission on Bioindicators. Baltimore, MD.
- 218) Alexandridis, T., T.L. Crisman, E. Lazaridou, V. Takavakoglou, I. Giannelos, G. Kouloumtouri and G. C. Zalidis. 2006. Dynamics of Phragmites pattern using multi-temporal satellite Earth Observation and its relation to soil-ecohydrological processes. European Geosciences Union General Assembly 2006. Vienna, Austria.
- 219) McMorrow, S.E., D.W. Bennett and T.L. Crisman. 2006. Amphibian assemblages of headwater creeks in an urban landscape: implications for stream management. 6th Annual Meeting, American Ecological Engineering Society. Berkeley, CA.
- 220) Zalidis, G, T.L. Crisman, V. Takavakoglou and T. Alexandridis. 2006. A management plan for Lake Koronia, Greece leading to sustainable agriculture and ecosystem conservation. Protection and Restoration of the Environment VIII. Chania, Greece.
- 221) Griswold, M.W., R.T. Winn and T.L. Crisman. 2006. Effects of physiochemical parameters on macroinvertebrate community structure under two logging regimes. IUFRO Sustainable Forest Management with Fast Growing Plantations. Charleston, SC.
- 222) Bennett, D.W., B.L. Talley and T.L. Crisman. 2006. Assessing amphibian responses to forest harvest and Streamside Management Zone practices in the Dry Creek watershed, Georgia. IUFRO Sustainable Forest Management with Fast Growing Plantations. Charleston, SC.
- 223) Crisman, T.L., V. Takavakoglou, T. Alexandridis, V. Antonopoulos and G. Zalidis. 2006. Rehabilitation of abandoned saltworks to maximize conservation, ecotourism and water treatment potential. First International Conference on the Ecological Importance of Solar Saltworks. Santorini, Greece (Invited Presentation).
- 224) Talley, B.L., D. Bennett and T.L. Crisman. 2007. Response of amphibians in the first two years following timber harvest in the Dry Creek Experimental Forest, Georgia. 14th Biennial Southern Silvicultural Research Conference. Athens, GA.

- 225) Griswold, M.W., R. Winn and T.L. Crisman. 2007. Resilient macroinvertebrates: the road to recovery following watershed level harvesting and thinning in Georgia streams. 14th Biennial Southern Silvicultural Research Conference. Athens, GA.
- 226) Crisman, T.L. 2007. Florida climate change. Climate Change in Florida Conference, Tampa, FL (Keynote Presentation).
- 227) Crisman, T.L. 2008. Integrating natural treatment options into landscape level development plans. Smart, Sustainable Tampa Bay, United States Green Building Council. St. Petersburg, FL. (Invited Presentation).
- 228) Crisman, T.L. and D. Coenen. 2008. Long-term ecosystem and human adjustments to changing climate in Florida as a response model for 21st century models. Climate Information for Managing Risks: Partnerships and Solutions for Agriculture and Natural Resources (CIMR), University of Florida and Southeast Climate Consortium Symposium, St. Petersburg Beach, Florida (Invited Presentation).
- 229) Crisman, T.L. 2008. Florida: Current and anticipated changes relative to climate change and uncertainties. Florida's Wildlife: On the Frontier of Climate Change, Orlando, Florida (Invited Presentation).
- 230) Crisman, T.L. 2008. Mitigation: Why and what. 35th Annual Conference on Ecosystems Restoration and Creation: Assessment of Wetland Mitigation and Mitigation Banks. Plant City, FL.
- 231) Crisman, T.L. 2008. Landscape sustainability via multifaceted wetland-agriculture interactions. BSF Funded Workshop: Ensuring the Sustainable Reuse of Wastewater for Agricultural Irrigation in Semi Arid/Arid Regions. Haifa University, Israel.
- 232) Crisman, T.L. 2009. Florida: current and anticipated changes from global warming. Pinellas Chapter, Florida Native Plant Society. Largo, FL (Invited Presentation).
- 233) Crisman, T.L. 2009. Balancing demands of humans and ecosystems for water in the face of diminishing global resources and climate change. International Studies School Association Conference. Tampa, FL (Invited Presentation).
- 234) Moellendorf, S. and T.L. Crisman. 2009. Effects of irrigation canals on stream ecosystems: A tropical dry forest case study in Costa Rica. Oregon Chapter, American Fisheries Society. Bend, Oregon.
- 235) Crisman, T.L.. 2009. Modeling climate change in Florida: a climate zone perspective on biotic responses. Climate Change: What Does It Mean to Florida. IFAS, University of Florida, Plant City, Florida (Invited Presentation).
- 236) Crisman, T.L. 2009. Opportunities and challenges for the Balkan Environment Center to integrate ecosystem based and engineering approaches for sustainable management in the Balkans. International Conference on New Technologies in Water Management. Thessaloniki, Greece. (Invited Presentation).
- 237) Crisman, T.L., G.C. Zalidis and V. Takavakoglou. 2009. Assessing ecological value of abandoned, active and restored solar saltworks. Second International Conference on the Ecological Importance of Solar Saltworks. Meridia, Mexico
- 238) U.A.M. Crisman and T.L. Crisman. 2009. An archaeological perspective on salt production and trade in Mexico. Second International Conference on the Ecological Importance of Solar Saltworks. Meridia, Mexico.

- 239) N. Goddard, C. Haggerty and T.L. Crisman. 2009. Responses of plant and bird community structure in cypress wetlands relative to a time gradient since isolation within the urban landscape of Tampa, Florida. Annual Meeting, Society of Wetland Scientists, Madison, WI.
- 240) C. Haggerty, N. Goddard and T.L. Crisman. 2009. Temporal response of tree frogs to isolation of cypress domes within the urban area of Tampa, Florida. Annual Meeting, Society of Wetland Scientists, Madison, WI.
- 241) C. Mitraki and T.L. Crisman. 2009. Ecological succession of Florida phosphate mine lakes relative to age and design gradients. Annual Meeting, Ecological Society of America. Albuquerque, NM.
- 242) T.L. Crisman. 2009. Florida as a model for climate change in the subtropics. West Central Florida Chapter, American Meteorological Society, St. Petersburg, FL (Invited Presentation).
- 243) T.L. Crisman. 2009. Ecohydrological approaches to balancing human and ecosystem needs for sustainable management of water resources. AEESP/WEF Scientist's Luncheon, Orlando, FL (Invited Presentation).
- 244) Lewis D.B., F.A. Akiwumi, S.S. Bell, T.L. Crisman, S.J. Feit, S.M. Landry, K.A. Nilsson, M.C. Rains, P.E. Thurman, C.C. Trettin, R.L. Vinson and R.K. Zarger. 2010. Urban development, social relationships, and water policy as drivers of wetland change in the Tampa Bay Region. Northern Tampa Bay Local Technical Peer Review Group, Southwest Florida Water Management District, Tampa.
- 245) C. Mitraki and T.L. Crisman. 2011. Benthic invertebrate communities of lakes created on phosphate mined lands in central Florida. Aquatic Sciences Meeting, American Society of Limnology and Oceanography, San Juan, Puerto Rico.
- 246) Moellendorf, S.M. and T.L. Crisman. 2011. Ecohydrology of seasonal and canal influenced perennial streams of Guanacaste, Costa Rica. Aquatic Sciences Meeting, American Society of Limnology and Oceanography, San Juan, Puerto Rico.
- 247) Crisman, T.L. and W.R. White. 2011. Florida headwater streams: distribution, sources and management within urbanizing landscapes. Florida Chapter, American Water Resources Association, Haines City, Florida.
- 248) Lewis D.B., R.K. Zarger, S.M. Landry, F.A. Akiwumi, M.C. Rains, T.L. Crisman, S.S. Bell, and C.C. Trettin. 2011. Urban development, power relations, and water redistribution as drivers of wetland change in the Tampa Bay Region Socioecosystem. Invited symposium presentation. Annual Meeting of US Regional Association of the International Association for Landscape Ecology, Portland, OR.
- 249) Lewis D.B., R.K. Zarger, S.M. Landry, F.A. Akiwumi, M.C. Rains, K.A. Nilsson, C.O. Adjei, S.J. Feit, G.M. Larsen, R.B. Perkerson, P.E. Thurman, T.L. Crisman, S.S. Bell, and C.C. Trettin. 2011. Urban development, power relations, and water redistribution as drivers of wetland change in the Tampa Bay Region Socioecosystem (invited symposium presentation). Annual Meeting Ecological Society of America, Austin, TX.
- 250) Staley, Z.R., E. Chase, C. Mitraki, J. Senkbeil, T.L. Crisman and V.J. Harwood. 2011. The effects of land use on fecal microbial levels in artificial phosphate mine lakes. American Society of Microbiology, Annual Meeting. Boston, MA.

- 251) Crisman, T.L. and C. de Bodisco. 2011. Water insecurity as a political tool in Yemen. A conference entitled: Yemen After the Arab Spring: From Revolution to Disintegration? The Jamestown Foundation. Washington, D.C. (Invited Presentation).
- 252) Crisman, T.L. 2011. Water, security and climate change in Central Asia. 2011. A conference entitled: Central Asia, Afghanistan and the New Silk Road: Political, Economic and Security Challenges. The Jamestown Foundation. Washington, D.C. (Invited Presentation).
- 253) Thurman, P.E., T. L. Crisman, D. Carr and T. Rochow. 2012. Hydrologic control of ground cover vegetation in palustrine cypress domes of west central Florida. 76th Annual Meeting of Florida Academy of Sciences, University of South Florida. Tampa, FL.
- 254) Haggerty, C.J.E. and T.L. Crisman. 2012. Disturbance response of the exotic Cuban Treefrog, *Osteopilus septentrionalis*, to a rare freeze event in Tampa, Florida. 76th Annual Meeting of Florida Academy of Sciences, University of South Florida. Tampa, FL.
- 255) Akiwumi, F.A., D.B. Lewis, S.M. Landry, R.K. Zarger, M.C. Rains, K.A. Nilsson, C.O. Adjei, S.J. Feit, G.M. Larson, R.B. Perkerson, P.E. Thurman, T.L. Crisman, S.S. Bell and C.C. Trettin. 2012. Urban development, power relations, and water redistribution as drivers of wetland change in the Tampa Bay region socioecosystem. Annual Meeting, American Association of Geographers, New York, NY.
- 256) Van Maurik, L.N. and T.L. Crisman. 2012. Establishing morphotypes of *Macrobrachium* and individual grooming behaviors. 41st Annual Benthic Ecology Meeting, Norfolk, VA.
- 257) Kiefer, J.H. and T.L. Crisman. 2012. Mine reclamation design to provide sustainable water resource systems: the Florida experience. Water: The Key to Regional Stability Thru Sustainable Partnerships. 3rd Annual Conference. University of South Florida, Tampa, FL.
- 258) Zalidis G., T. Crisman, E. Phlips, E. Ntonou, A. Antoniadis and V. Takavakoglou. 2012. Selection of a proper management strategy for Lake Koronia, Greece. Conference: Protection and Restoration of the Environment XI. Thessaloniki, Greece.
- 259) Crisman, T.L.. 2012. Opportunities and challenges of ecotourism. Regional Workshop: Development of Eco-tourism in the Context of Cross-Border Cooperation. Sava River Basin Commission. Slavonski Brod, Croatia (Invited Presentation).
- 260) Crisman, T.L. 2012. International experience in developing ecotourism operations and their application to the Sava River Basin. Regional Conference on the Promotion of the Development of Eco-Tourism on the Sava River. Ivanc-Grad, Croatia. (Invited Keynote Presentation).
- 261) Crisman, T.L. 2013. Water: the key to stability in Yemen. Future of AQAP and the Impact of External Influence in Yemen. Interagency Workshop. Tampa, FL

- 262) Rains, M.C., S. Landry, K.C. Rains, V. Seidel and T.L. Crisman. 2013. Net wetland loss (1950s-2007) and current wetland condition (2007), Tampa Bay watershed, Florida. SWS SAC/FAESS/SW FAEP Joint Conference. Tampa, FL
- 263) Rains, K.C., M.C. Rains, S. Landry, V. Seidel, and T.L. Crisman. 2013. Using net wetland loss, current wetland condition, and planned future watershed condition for wetland conservation planning and prioritization, Tampa Bay watershed, Florida. SWS SAC/FAESS/SW FAEP Joint Conference. Tampa, FL
- 264) Crisman, T.L. 2013. Empowering local communities at the regional level to identify watershed issues and develop management plans. Supporting Sustainable Development, Management and Protection of Natural Resources. Athens, Greece. (Invited Presentation).
- 265) Alexandridis, T.K., A. Dimitrakos, I.Z. Gitas, M. Tompoulidou, C. Mitraki, T.L. Crisman and G. Zalidis. 2014. Identification of successive zones in an evolving lake to wetland ecosystem using object based classification. 5th GEOBIA Conference, Thessaloniki, Greece.
- 266) Crisman, T.L. and G. Zalidis. 2014. Water scarcity and alternative sources. Water Conference 2014. Athens, Greece (Invited Presentation).
- 267) Thurman, P.E., T.L. Crisman, D. Carr and J. Rohr. 2014. Correlations between ground cover community structure and hydrology in isolated cypress domes located in west-central Florida. Florida Native Plant Society Annual Conference. Fort Myers, Florida.
- 268) Rains, K.C., M.C. Rains, S. Landry, V. Seidel and T.L. Crisman. 2014. Using net wetland loss, current wetland condition and planned future watershed condition for wetland conservation planning and prioritization, Tampa Bay, Florida. Joint Aquatic Sciences Meeting. Portland, Oregon.
- 269) Hoffman, S.M. and T.L. Crisman. 2014. Waterbird response to urbanization and the structure of small ponds in southwestern Florida. Joint Aquatic Sciences Meeting. Portland, Oregon.
- 270) Mitraki, C.M. and T.L. Crisman. 2014. Macrophyte communities of lakes created on phosphate mined lands of Central Florida. Joint Aquatic Sciences Meeting. Portland, Oregon.
- 271) Mitraki, C. and T.L. Crisman. 2014. Impact of extreme water-level fluctuations on dissolved oxygen regimes in a north-central Florida lake. 8th International Shallow Lakes Conference. Antalya, Turkey.
- 272) Hoffmann, S.M., M. Colacone and T.L. Crisman. 2014. Golf course ponds: urban oases for waterbirds? National Association of Environmental Professionals. St. Petersburg, FL
- 273) Thurman, P.E., T.L. Crisman and D. Carr. 2014. Hydrologic control of ground cover communities in cypress domes of west-central Florida. 99th Annual Meeting, Ecological Society of America, Sacramento, CA.

- 274) Haggerty, C. and T.L. Crisman. 2015. Seeing the forest for the trees (and amphibians): forest structure as a predictor for amphibian use on lands with planted trees. 79th Annual Meeting, Florida Academy of Sciences. St Leo University, St. Leo, Florida.
- 275) Goddard, N.L. and T.L. Crisman. 2015. Influence of hydrology and urban land use change on the timing of aquatic insect emergence in cypress dome wetlands of the northern Tampa Bay metropolitan area, Florida. 79th Annual Meeting, Florida Academy of Sciences. St Leo University, St. Leo, Florida.
- 276) Haggerty, C.J.E. and T.L. Crisman. 2015. Importance of Forest Structure for Amphibian Use of Wetlands in Planted Pine : Potential Implications for Carbon Sequestration in Longleaf Pine Forest. Society of Wetland Scientists Annual Meeting, Providence,RI
- 277) Goddard, N.L. and T.L. Crisman. 2015. Responses of wetland insect communities and insectivorous birds to urbanization and hydrologic changes associated with groundwater pumping in West Central Florida. Society of Wetland Scientists Annual Meeting, Providence,RI
- 278) Goddard, N.L. and T.L. Crisman. 2015. Emergent insect community responses to landscape and hydrologic changes associated with urban development in wetlands of West Central Florida. Society for Freshwater Science Annual Meeting. Milwaukee, WI.
- 279) Thurman, P.E., T.L. Crisman, and D. Carr. 2015. The role of hydrology in the distribution and composition of ground cover vegetation in subtropical cypress domes of Central Florida. 100th Annual Meeting, Ecological Society of America. Baltimore, MD.
- 280) Brown, A, D. Hart and T.L. Crisman. 2015. Long-term viability of constructed freshwater wetlands in Hillsborough County, Florida. BASIS (Bay Area Scientific Information Symposium). St. Petersburg, FL.
- 281) Crisman, T.L. 2016. Aquatic ecotourism: impacts and potential for sustainable environmental management. International Ecotourism Society Meeting, Tampa, FL (Invited Presentation).
- 282) Brown, A.T. and T.L. Crisman. 2016. Designing for success: long-term trends of constructed freshwater wetlands in Hillsborough County, Florida. National Conference on Ecosystem Restoration. Coral Springs, FL.
- 283) Ntonou, E, C. Mitraki, T.L.Crisman and G. Zalidis. 2016. Lake Koronia, Greece: Response to reflooding following near dessication. 5th International EcoSummit. Montpelier, France.
- 284) Zalidis, G., A. Kavvada and T. Crisman. 2016. Integrating EO data for applying the NEXUS of water, energy and agriculture to monitor SDG indicators within transboundary river basins. American Geophysical Union, Fall Meeting, San Francisco, CA (Plenary Invited Presentation).
- 285) Crisman, T.L. 2016. The Middle East Water-Energy-Food NEXUS. Hollings Center for International Dialogue. Washington, DC (Invited Presentation).

286) Hoffman, S.M. and T.L. Crisman. 2017. Do golf course ponds provide suitable waterbird habitat in an urban landscape?. Wildlife Society, Florida Chapter Spring Meeting. Orlando, FL.

287) Hoffman, S.M., L.K. Solinger and T.L. Crisman. 2017. Assessment of prey fish in the littoral zone of golf course ponds in Hillsborough County, Florida. Wildlife Society, Florida Chapter Spring Meeting. Orlando, FL.

288) Hoffman, S.M., L.K. Solinger and T.L. Crisman. 2017. Community composition of forage fish in the littoral zone of Florida urban ponds. Annual Meeting. Ecological Society of America. Portland, OR.

289) Crisman, T.L. 2017. After 50 years of research: challenges to implementation of green infrastructure in the developing world. XVI World Water Congress. Cancun, Mexico (Invited Presentation).

290) Crisman, T.L. 2017. Climate challenges. Workshop on the Food Security Factor: Stability, Governance and Development Choices. The Hollings Center and Prince Mohammad Bin Fahd Program for Strategic Research and Studies, University of Central Florida. Casablanca, Morocco. (Invited Presentation).

291) Crisman, T.L. 2017. Green infrastructure as a key component of the NEXUS approach to sustainable economies and health of societies in transboundary watersheds. Green Infrastructure Forum, Border Environment Cooperation Commission. Brownsville, Texas (Invited Keynote Presentation).

292) Crisman, T.L. 2018. Food Security in the Middle East and North Africa. Annual Meeting of Association for Environmental Studies and Sciences. Washington, DC. (Invited Panelist).

293) Crisman, T.L. 2018. Natural infrastructure and the Water-Energy-Food Nexus. World Water Week. Stockholm, Sweden (Invited Presentation).

294) Crisman, T.L. 2019. Balancing the NEXUS of agriculture, water and energy for sustainable human and natural systems. 8th International Conference on Water Resources and Arid Environments. Riyadh, Saudi Arabia. (Invited Keynote Presentation).

295) Aljohani, K. and T.L. Crisman. 2019. Rapid changes and loss of freshwater springs and fish communities of the Arabian Peninsula. 3rd International Conference on Ecology, Ecosystem and Conservation Biology. Chicago, IL.

296) Crisman, T.L. 2020. The global water crisis: impacts and opportunities in the Middle East. Al Bilad Newspaper Distinguished Lecture Series on Sustainability. Jeddah, Saudi Arabia.

Universities and Institutions:

1) Crisman, T.L. 1979. Uses of paleolimnology for interpreting lake histories. Department of Biology, Central Michigan University, Mt. Pleasant.

- 2) Crisman, T.L. 1979. The importance of grazing for controlling primary productivity in Florida lakes. Department of Biology, Central Michigan University, Mt. Pleasant.
- 3) Crisman, T.L. 1979. Trophic-level interactions in Florida lake systems and the potential for biological control of aquatic productivity. Department of Biology, University of West Virginia, Morgantown.
- 4) Crisman, T.L. 1980. Experimental use of Chinese grass carp for controlling problem aquatic weeds in Florida lakes. Pearl River Institute of Freshwater Products. Guangzhou (Canton), China.
- 5) Crisman, T.L. 1980. Testing of methodology for controlling eutrophication in Florida lakes. Institution of Hydrobiology, Academia Sinica, Wuhan, China.
- 6) Crisman, T.L. 1980. Effects of acid rain on subtropical Florida lakes. Beijing Municipal Research Institute of Environmental Protection. Beijing (Peking), China.
- 7) Crisman, T.L. 1980. An overview of the status and environmental problems of Florida lakes. Department of Biology, Fudan University. Shanghai, China.
- 8) Crisman, T.L. 1980. Use of fish to control autotrophic production in Florida lakes. Fisheries Research Institute, Shanghai, China.
- 9) Crisman, T.L. 1983. Control of cultural eutrophication in Florida. Limnological Institute. Nieuwersluis, Netherlands.
- 10) Crisman, T.L. 1983. Zooplankton and ciliated protozoan communities of subtropical Florida lakes. Max-Planck-Institut für Limnologie. Plön, West Germany.
- 11) Crisman, T.L. 1984. Comparison of temperate and subtropical responses to lake acidification. Martin Marietta Environmental Systems, Columbia, MD.
- 12) Crisman, T.L. 1984. A paleolimnological approach to elucidating the effects of a phosphate detergent ban on Indiana lakes. Monsanto Chemical Corp., St. Louis, Missouri.
- 13) Crisman, T.L. 1984. Effects of acid rain on Florida lakes. Biology Department, Southern Illinois University, Edwardsville, IL.
- 14) Crisman, T.L. 1985. Relationships between subfossil midges in surface sediments and water chemistry for lakes in the Ocala National Forest, Florida, Paleoecological Reconstruction of Recent Lake Acidification (PIRLA) Conference. University of Florida, Gainesville.
- 15) Crisman, T.L. 1986. Management of subtropical lakes through biological manipulation. Department of Biology, University of Joensuu, Finland.
- 16) Crisman, T.L. 1987. Biotic structure of softwater subtropical lakes and its sensitivity to acidic precipitation. Department of Biology, University of Joensuu, Finland.
- 17) Crisman, T.L. 1987. The calibration and use of subfossil invertebrates in environmental reconstructions. Geological Survey of Finland, Espoo.
- 18) Crisman, T.L. 1987. Paleolimnology and its application to lake management. Institute of Hydrobiology, Academy of Agriculture and Technology, Olsztyn, Poland.
- 19) Crisman, T.L. 1987. Advances in the interpretation of subfossil invertebrate assemblages from postglacial lacustrine cores. Geological Institute, Polish Academy of Sciences, Warsaw.

- 20) Crisman, T.L. 1988. Alternatives for using benthic invertebrates for monitoring freshwater wetlands. Bionetics/NASA, Cape Canaveral, FL.
- 21) Crisman, T.L. 1989. Opportunities in environmental research in the southeastern United States. Alabama A & M University, Huntsville, AL.
- 22) Crisman, T.L. 1990. Feasibility of using exotic bivalve molluscs as a biofilter in aquaculture systems. Bionetics/NASA, Cape Canaveral, FL.
- 23) Crisman, T.L. 1992. Biomanipulation as a technique for lake management in the subtropics and tropics. Universidade Federal do Rio de Janeiro, Brazil.
- 24) Crisman, T.L. 1993. Natural treatment as an engineering alternative for sewage, agricultural runoff and mining reclamation. Universidad Autonoma de Chiapas, Tuxtla Gutierrez, Mexico.
- 25) Crisman, T.L. 1993. Problems and alternatives for the management and conservation of freshwater ecosystems in the tropics. Instituto Tecnologico y de Estudios Superiores de Monterrey, Tuxtla Gutierrez, Mexico.
- 26) Crisman, T.L. 1994. Biomanipulation as a lake management technique. Swiss Federal Institute for Environmental Science and Technology (ETH) and the Swiss Federal Institute for Water Resources and Water Pollution Control (EAWAG), Zurich, Switzerland.
- 27) Crisman, T.L. 1995. Constructed wetlands and their similarity to natural systems. Programa de Conservacion de la Biodiversidad y Desarrollo Sustentable in los Humedales del Este (PROBIDES), Rocha, Uruguay.
- 28) Crisman, T.L. 1995. Biomanipulation for controlling eutrophication in lakes and reservoirs. Universidad de la Republica, Montevideo, Uruguay.
- 29) Crisman, T.L. 1995. Tropical wetland problems. Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil.
- 30) Crisman, T.L. 1997. Management issues for subtropical wetlands. University of Sevilla, Spain.
- 31) Crisman, T.L. 1997. Sustainable use of wetlands for nature conservation. Goulandris Natural History Museum, Athens, Greece.
- 32) Crisman, T.L. 1997. Wetland restoration practices in the subtropics. Aristotle University and Greek Wetland Center, Thessaloniki, Greece.
- 33) Crisman, T.L. 1997. Sustainable use of wetlands for nature conservation. Aristotle University and Greek Wetland Center, Thessaloniki, Greece.
- 34) Crisman, T.L. 1997. Use of wetlands as a natural technology for the treatment of mine drainage and domestic wastewaters. Instituto de Ingenieros de Minas del Peru, Lima, Peru.
- 35) Crisman, T.L. 2000. Integrating humans in the conservation and management of wetlands and lakes of the subtropics and tropics. Virginia Institute of Marine Science (VIMS), Gloucester Point, VA.
- 36) Crisman, T.L. 2001. Integrating wetlands in the management of landscapes for multiple purposes. Greek Biotope/Wetlands Center (EKBY) and U.S. Consulate, Thessaloniki, Greece.

- 37) Crisman, T.L. 2001. The functional approach to water management. Greek Biotope/Wetlands Center (EKBY) and U.S. Consulate, Thessaloniki, Greece.
- 38) Crisman, T.L. 2002. The role of ecology in engineering. Department of Civil & Environmental Engineering, University of South Carolina, Columbia. (Invited Talk).
- 39) Crisman, T.L. 2003. Transboundary water issues: from the Mediterranean to Mesopotamia. Stetson University Law School, St. Petersburg, FL. (Invited Talk).
- 40) Crisman, T.L. 2003. Wet agriculture and wetland conservation. Aristotle University, Thessaloniki, Greece.
- 41) Crisman, T.L. 2004. How little water do lake and wetland ecosystems need: living within the reality of increased water demand in Greece. Rosenstiel School of Marine and Atmospheric Sciences, University of Miami, Miami, FL.
- 42) Crisman, T.L. 2004. Restoration of Balkan wetlands within the reality of declining water resources. Louisiana Universities Marine Consortium (LUMCON), Chauvin, LA.
- 43) Crisman, T.L. 2004. Learning to live with less: the global water challenge. The Conservancy of Southwest Florida, Naples, FL
- 44) Crisman, T.L. 2004. Hydrological-ecological linkages in Greek lakes: conservation challenges with declining water resources. Department of Biology, Middle East Technical University, Ankara, Turkey.
- 45) Crisman, T.L. 2004. Integrating ecological engineering into water management and ecosystem conservation in the Mediterranean basin and developing world. Department of Environmental Engineering, Middle East Technical University, Ankara, Turkey.
- 46) Crisman, T.L. 2006. Minimum hydrological requirements for aquatic ecosystems: integrating ecohydrology into sustainable management of lakes and wetlands. Department of Civil and Environmental Engineering, Florida International University, Miami, FL.
- 47) Crisman, T.L. 2006. The reality of water management: determining minimum water requirements for the structure and function of aquatic ecosystems. Department of Ocean Earth and Atmospheric Sciences, Old Dominion University, Norfolk, VA
- 48) Crisman, T.L. 2006. Ecohydrology: assessing the reality of water management in the subtropics and tropics. Virginia Institute of Marine Sciences, College of William and Mary, Gloucester, VA.
- 49) Crisman, T.L. 2006. Environment and development challenges for Caribbean SIDS. Conservation Grenada, St. Georges, Grenada.
- 50) Crisman, T.L. 2006. Meeting the global water challenge: an ecohydrological approach for sustainable aquatic ecosystems. The Patel Center for Global Solutions, University of South Florida, Tampa, FL.
- 51) Crisman, T.L. 2006. Integrating ecohydrology into ecosystem management. Department of Biology, University of South Florida, Tampa, FL.

- 52) Crisman, T.L. and W.R. Wise. 2006. Expert witnesses: their view of the experience. Stetson University Law School, St. Petersburg, FL.
- 53) Crisman, T.L. and W.R. Wise. 2006. Legal implications of the developing field of ecohydrology. Stetson University Law School, St. Petersburg, FL.
- 54) Crisman, T.L. 2008. Integrating natural treatment options and ecohydrology to meet the global water crisis. University of Connecticut, Storrs, CT.
- 55) Crisman, T.L. 2008. Recent advances in using ecological engineering and ecohydrological approaches for managing water resources in the subtropics and tropics. Temple University, Philadelphia, PA.
- 56) Crisman, T.L. 2009. Managing shallow freshwater ecosystems to meet demands of humans and nature conservation. Department of Biology, University of Central Florida. Orlando, FL.
- 57) Crisman, T.L. 2010. Florida as a model for climate change across the tropical-temperate transition. Olin Sewall Pettingill Lecture, University of Michigan Field Station, Pellston, MI.
- 58) Crisman, T.L. 2010. Designing with nature to address the global water crisis. Olin Sewall Pettingill Lecture, University of Michigan Field Station, Pellston, MI.
- 59) Crisman, T.L. 2011. Designing with nature to address water management issues globally. University of Zagreb, Zagreb, Croatia.
- 60) Crisman, T.L. 2015. The global water crisis: designing with, not against, nature. Department of State, Washington, DC.
- 61) Crisman, T.L. 2015. The global water crisis: using green technologies to manage the human-water interface. University of Maryland Baltimore County, Maryland.
- 62) Crisman, T.L. 2015. Global water issues: the interface of public, private and conservation sectors. Earth System Science Interdisciplinary Center (ESSIC). University of Maryland, College Park, MD
- 63) Crisman, T.L. 2016. NEXUS, sustainable development and the global water crisis: science and engineering as the basis for policy. College of Engineering, University of Georgia, Athens, GA
- 64) Crisman, T.L. 2016. Meeting the challenges of NEXUS, sustainable development and the global water crisis for transboundary watersheds: multidisciplinary approaches for realistic foreign policy and community based applications. University of Texas Rio Grande Valley, McAllen, TX.
- 65) Crisman, T.L. 2019. Impacts of the Water-Food-Energy Nexus and implementation of nature-based solutions. Sultan Qaboos University, Muscat, Oman.
- 66) Crisman, T.L. 2020. The global water crisis. LIFE Global Issues Series, University of Central Florida, Orlando.

RESEARCH GRANTS

Total: \$9,121,283

- 1) Heavy metals in ash pond leachate. Florida Department of Environmental Regulation. 1978. (Co-principal investigator with J. Zoltek, Jr.). \$11,505.
- 2) A Florida eutrophication index based on zooplankton composition. 1978-79. Engineering and Industrial Experiment Station, University of Florida (Principal investigator). \$12,000.
- 3) Biotic response of a lake to the control of submersed macrophytes by the white amur. 1977-1981. Waterways Experiment Station, U.S. Army Corps of Engineers. (Principal investigator). \$318,926.
- 4) Loading rates and ecological significance of nutrients and acidity in wet and dry atmospheric precipitation. 1978-79. U.S. EPA. (Co-principal investigator with P.L. Brezonik). \$50,252.
- 5) Study of the limnological effects of a drawdown on Lake Apopka and downstream lakes in the Oklawaha chain. Florida Department of Environmental Regulation. 1977-1981. (Co-principal investigator with P.L. Brezonik). \$176,273.
- 6) Biological survey of the Suwannee River. Suwannee River Water Management District. 1979-1980. (Principal investigator). \$6,600.
- 7) Fish and internal nutrient cycles in Florida lake ecosystems. Office of Water Resources Research. 1979-1981. (Principal investigator). \$17,910.
- 8) Algal control through trophic-level interactions. Florida Department of Natural Resources. 1980-1983. (Principal investigator). \$116,398.
- 9) Algal management through lake aeration. Florida Department of Natural Resources. 1980-1983. (Principal investigator). \$24,000.
- 10) Lake Panasoffkee evaluation of water quality and phytoplankton. Southwest Florida Water Management District. 1980-1981. (Principal investigator). \$14,999.
- 11) Vulnerability of Florida watersheds to riparian disturbance. National Science Foundation. 1980-1982. (Co-principal investigator with E.S. Deevey, Jr. and P.L. Brezonik). \$160,222).
- 12) Effects of acid precipitation on sensitive ecosystems in Florida. 1980-1982. National Atmospheric Deposition Program. (Co-Principal investigator with P.L. Brezonik). \$39,807.
- 13) Aeromonas hydrophila as an indicator of trophic state of Florida lakes. 1980-1981. EIES special project. (Co-principal investigator with G. Bitton and S.R. Farrah). \$12,500.
- 14) Low-energy wastewater recycling through wetland ecosystems: Apalachicola study - experimental use of a freshwater shrub swamp. 1981-1983. Florida Department of Environmental Regulation. (Co-Principal investigator with R. Best, J. McCreary and C. Montague). \$26,500.
- 15) The chemical and physical characterization of chopped Hydrilla. 1981. U.S. Army Corps of Engineers. (Co-principal investigator with J. McCreary). \$3,400.

- 16) Grass carp monitoring in Lake Conway, Florida. 1981. Engineering and Industrial Experiment Station, University of Florida. (Principal investigator). \$21,500.
- 17) Vulnerability of Florida watersheds to riparian disturbance. Phase II. 1982-1983. National Science Foundation. (Co-principal investigator with E.S. Deevey, Jr.). \$48,000.
- 18) Classification of 60 lakes in the Ocala National Forest. 1982-1983. Northwest Biological Consulting. (Principal investigator). \$20,000.
- 19) Environmental training and management course in tropical limnology. 1983. ETMA/Southeast Consortium for International Development. (Principal investigator). \$11,809.
- 20) Paleoecological reconstruction of recent lake acidification in acid sensitive areas of North America. 1983-1986. Electric Power Research Institute. (Co-principal investigator with D.R. Whitehead, D.F. Charles, G.A. Davidson, R.B. Davis, J.C. Kingston, S.A. Norton, D.W. Schindler). Total award: \$2,246,482; UF share: 252,200.
- 21) Effects of lake acidification on bass populations in Florida. 1984-1986. Bass Research Foundation. (Principal investigator). \$57,500.
- 22) Biological survey of Blues Creek, Florida. 1985-1986. Florida Department of Natural Resources. (Principal investigator). \$10,000.
- 23) Evaluation of the response of benthic invertebrates in cypress domes of the Big Cypress National Preserve to environmental perturbations. 1985-1986. National Park Service. (Principal investigator). \$7,000.
- 24) Investigations of scandinavian chironomids. 1986-1987. American Scandinavian Foundation. (Principal investigator). \$7,500.
- 25) The toxicity of Hydrothol-191 to aquatic biota. 1986-1987. Florida Department of Environmental Regulation. (Co-principal investigator with G. Bitton). \$25,000.
- 26) A paleolimnological calibration model for chironomids. 1986-1987. National Science Foundation. (Principal investigator). \$21,700.
- 27) Trophic structure manipulation program for Lake Apopka pilot project. 1986-1987. St. Johns River Water Management District. (Principal investigator). \$59,000.
- 28) Assessment of cultural eutrophication and its management in Lake Weir, Florida. 1986-1990. Save Lake Weir Association, St. Johns River Water Management District, Marion County. (Principal Investigator). \$180,000.
- 29) Newnans Lake Florida: Net removal of organic matter and nutrients using a partial drawdown. 1989-1990. St. Johns River Water Management District. (Principal Investigator). \$5,753.
- 30) An evaluation of benthic meiofauna and macrofauna as success criteria for reclaimed wetlands. 1989-1992. Florida Institute of Phosphate Research. (Principal Investigator). \$300,106.
- 31) Lake Apopka trophic structure manipulation. 1989-1992. St. Johns River Water Management District. (Principal Investigator). \$90,000.

- 32) Ecological studies of the littoral and pelagic systems of Lake Okeechobee. 1988-1992. South Florida Water Management District. (Co-Principal Investigator with 9 other Investigators). \$2,387,294.
- 33) Biogeochemical partitioning of mercury in the Everglades and Okefenokee Swamp wetland systems. 1991-1993. Florida Water Resources Research Center. (Co-Principal Investigator with J. Delfino). \$21,908.
- 34) Assessment of mercury concentrations in soil and sediment samples from the Everglades wetland system. 1991-1993. Florida Department of Environmental Regulation. (Co-Principal Investigator with J. Delfino). \$85,961.
- 35) Biogeochemical partitioning of mercury in the Everglades and Okefenokee Swamp wetland systems. 1991-1993. South Florida Water Management District. (Co-Principal Investigator with J. Delfino). \$37,668.
- 36) An evaluation of constructed wetlands on phosphate mined lands in Florida: Aquatic fauna and water quality. 1993-1995. Florida Institute of Phosphate Research. \$99,652.
- 37) Blue-green algal blooms in Florida Bay: controlling factors and consequences for food webs. 1995-1997 Florida Sea Grant. (Co-Principal Investigator with E.J. Phelps). \$120,000.
- 38) Development of overseas courses in tropical ecology and management. 1995-1997. Florida Center for Environmental Studies. \$27,851.
- 39) Tropical Conservation Literacy: participation of host country students. 1996-1997. Conservation, Food and Health Foundation. (Co-Principal Investigator with C.A.Chapman and L.J.Chapman).\$8,400.
- 40) Wadi Gaza basin restoration. 1996. H. Boone and Violet M. Porter Charitable Foundation, Inc.. (Co-Principal Investigator with E. Lowe). \$5,000.
- 41) Sustainable land development in a suburban setting in San Salvador: Club Campestre la Montana. 1996-1997. Desarrollos Buenos Aires.(Co-Principal Investigator with J.J. Delfino and W.R. Wise). \$73,253.
- 42) Faunal attenuation: predicting spatial and temporal dynamics of refugia in the Lake Victoria basin. 1996-1999. National Science Foundation. (Co-Principal Investigator with L.J. Chapman). \$120,000.
- 43) Movement of Imazapyr from flatwoods forestry sites into wetlands and impacts on wetland biota. 1997-1999. NAPIAP. U.S. Forest Service. (Co-Principal Investigator with J. Michaels).\$36,560
- 44) Florida Bay data management. 1997. Florida Department of Environmental Protection. \$10,000.
- 45) Well field pumping effects on isolated wetlands in South Florida: Flint Pen Strand and Savannas sites: Instrumentation. 1997. South Florida Water Management District. (Co-Principal Investigator with W.R. Wise and M.D. Annable). \$10,000.
- 46) Assessment of constructed wetlands and wet landfills as low-tech treatment options for leachate in Florida. 1997-1998. Florida Center for Solid and Hazardous Waste.(Co-Principal Investigator with M. Barger, W. DeBusk, R. Mines and D. Reinhart). \$25,000.
- 47) Redesign of the Duck Pond for effective water management. 1997-1999. City of Gainesville. \$39,976.

- 48) Tabular data management for Florida Bay monitoring efforts. 1997-1998. Florida Department of Environmental Protection. \$30,000.
- 49) Distance learning for wetlands and water resources management in Greece. 1997-1998. USIA. \$6,760.
- 50) Ecosystem monitoring for assessment of hydrologic restoration of Tate's Hell Swamp. 1998-1999. Northwest Florida Water Management District. \$139,652.
- 51) Field measurement and modeling of hydrologic connectivity of isolated wetlands with surficial aquifers. 1998-1999. South Florida Water Management District. (Co-Principal Investigator with W.R. Wise and M.D. Annable). \$100,000.
- 52) Integrating Indigenous African Knowledge, Rights, and Scientific Research in Environmental Conservation. 1998-2001. Ford Foundation. Co-Principal Investigator with M. Chege, L.J. Chapman, C.A. Chapman, A. Goldman, and H. Davis). \$148,252.
- 53) Doctoral training funding for Ugandan students. 1999-2002. Lake Victoria Environmental Management Programme. Global Environmental Fund, World Bank. \$138,000.
- 54) Water quality evaluation of Tumblin' Creek. 1999-2000. City of Gainesville, FL. \$19,875.
- 55) Monitoring and management consultation at the Waldo sewage treatment wetland. 1999-2000. City of Waldo, FL and Suwanee River Water Management District. \$14,200.
- 56) Examination of the relationship between biota and hydrology in isolated wetlands in South Florida. 2000-2001. South Florida Water Management District. (Co-Principal Investigator with W.R. Wise). \$149,500.
- 57) Evaluate the efficacy of Easterly Wetland Treatment System in removing phosphorus from wastewater. 2000-2001. Post, Buckley, Shuh and Jernigan. (Co-Principal Investigator with W.R. Wise). \$85,549. Total UF Contract \$256,000.
- 58) Aquatic macroinvertebrate assemblages in southwest Georgia headwater streams prior to harvesting treatments. 2003-2004. National Council for Air and Stream Improvement. \$21,842.
- 59) Salamander species assemblage of headwater streams in southwest Georgia pre- and postharvesting. 2003-2004. National Council for Air and Stream Improvement. \$4,000.
- 60) Analysis of macroinvertebrate assemblages from Fakahatchee and Picayune Strands of the Everglades. 2003-2005. The Conservancy of Southwest Florida. \$32,000.
- 61) Aquatic macroinvertebrate assemblages in southwest Georgia headwater streams prior to harvesting treatments. 2004-2005. National Council for Air and Stream Improvement. \$13,200.
- 62) Timber harvesting effects on headwater influence in low order streams. 2004-2005. National Council for Air and Stream Improvement. \$21,325.
- 63) Salamander species community of headwater streams and surrounding habitats in southwest Georgia, pre- and post-harvesting. 2004-2005. National Council for Air and Stream Improvement. \$25,896.
- 64) Environmental coordination with University of Miami. 2004-2005. University of Miami. \$71,069.

- 65) Benthic invertebrate and salamander responses in headwater streams in southwest Georgia to timber harvesting. 2005-2006. National Council for Air and Stream Improvement. \$59,689.
- 66) Science partners in inquiry-based collaborative education II (SPICEII). 2006-2011. National Science Foundation. (Co-Principal Investigator with five others). \$1,993,026.
- 67) Benthic invertebrate and salamander responses in headwater streams in southwest Georgia to timber harvesting. 2006-2007. National Council for Air and Stream Improvement. \$75,908.
- 68) Urban Development, Power Relations, and Water Redistribution as Drivers of Wetland Change in the Tampa Bay Region Socioecosystem. 2009-2012. National Science Foundation ULTRA-EX. D. Lewis (PI) F. Akiwumi, T. Crisman, M. Rains, and R. Zarger (Co-PI). \$289,352.
- 69) Development of a Coordinated Watershed Approach for Linking Compensatory Mitigation and Tampa Bay Habitat Restoration Goals. 2009-2011. Tampa Bay Estuary Program. T.L.Crisman (PI) S. Bell, S. Landry, M. Rains, M. Stewart (Co-PI). \$94,561.
- 70) St. Lucie County Wetland Inventory and Evaluation Study. 2009-2010. St. Lucie County, Florida. M.C. Rains and T.L. Crisman. \$84,655.
- 71) Subtropical-Tropical Cooperative Program in Management of Coastal Urban Watersheds. 2010. USF GAP Program. \$10,000.
- 72) Water Quality Sampling, Training and Capacity Building on the North-East Coast of Dominican Republic. 2010. Institute for the Study of Latin America and the Caribbean. University of South Florida. \$5,700.
- 73) An Integrated Approach to Health/Environment/Community in Costa Rica. 2011-2013. College of Public Health, University of South Florida. \$99,998.
- 74) Development of a USF-Ghana Program in Watershed Management with an Emphasis on Impacts from Rapid Urbanization and Land Use Change. USF Global Academic Partnership. 2012-2013. (S. Bell Co-PI). \$6,000

COMPLETED M.S. STUDENTS FOR WHICH I WAS CHAIRMAN

- 1) Roger A. Conley. November 11, 1977. Non-thesis project. Phytoplankton succession in Lake Conway, Florida.
- 2) Charles P. Feerick. November 28, 1977. Studies of the periphyton community of Lake Conway, Florida.
- 3) Joann Wirth. April 21, 1978. Non-thesis project. Nutrient release during decomposition of aquatic macrophytes.
- 4) Michael A. Mallin. October 13, 1978. Zooplankton populations dynamics in the Oklawaha lakes.

- 5) Gary S. Comp. August 10, 1979. Diel and seasonal patterns in the vertical distribution of zooplankton in Lake Conway, Florida.
- 6) Brian E. LaPointe. November 21, 1979. The effects of light and nutrients on the biochemical composition and growth of the sealettuce Ulva fasciata Delile.
- 7) Thomas W. Hall. December 4, 1979. Factors affecting the operation of a wastewater treatment system for the production of microalgae.
- 8) Sandra K. Lemlich. May 23, 1980. Non-thesis project. Growth response of bald cypress to long-term application of domestic sewage.
- 9) Randy L. Schulze. June 11, 1980. The biotic response to acid precipitation in Florida lakes.
- 10) Charles A. Biedermann. October 31, 1980. Phytoplankton population dynamics in Lake Apopka and the upper Oklawaha chain of lakes.
- 11) Stephen B. Linda. November 10, 1980. Non-thesis student, Department of Botany, University of Florida.
- 12) John R. Beaver. November 14, 1980. The distribution of planktonic ciliated protozoans in thirty Florida lakes of varying trophic state.
- 13) Helen M. Kennedy. July 24, 1981. The use of experimental tanks to simulate the effects of gizzard shad Dorosoma cepedianum (LeSueur), on algal composition and nutrient regeneration in a eutrophic Florida lake.
- 14) Nancy M. Gourlie. December 4, 1981. Non-thesis project. The effect of low pH on survival and grazing rates of Diaptomus floridanus.
- 15) Scott A. Russell, April 9, 1982. Diel vertical migration in a subtropical doline lake.
- 16) Raymond W. Bienert, Jr. July 20, 1982. The plankton communities of selected colored lakes in north-central Florida.
- 17) Robert A. Garren. October 22, 1982. Macrophyte species composition - trophic state relationships in fourteen north and north-central Florida lakes.
- 18) Brenda F. Wozniak. November 23, 1982. The effects of aflatoxin B₁ on the immune system of piglets.
- 19) Phillip D. Sacco. April 6, 1983. Non-thesis project. The distribution of two adjacent snail populations: A result of thermal effluent or habitat?
- 20) Randall R. Williams. April 6, 1983. Non-thesis project. Relocation of freshwater unionid mollusks to new habitats.
- 21) James S. Bays. April 27, 1983. Zooplankton trophic state relationships and seasonality in Florida lakes.
- 22) Sheridan Kidd Haack. February 24, 1984. Aquatic macroinvertebrate community structure in a forested wetland: Interrelationships with environmental parameters.

- 23) Duncan J. Cairns. August 20, 1984. Non-thesis project. Protozoan colonization of artificial substrates at varying depth in two north-central Florida lakes of differing color.
- 24) Anne E. Keller. November 20, 1984. Fish communities in Florida lakes: Relationship to physico-chemical parameters.
- 25) Chandler L. Clarkson. March 5, 1985. Macrophyte species distributions and tissue chemical composition in acidic Florida lakes.
- 26) Richard W. Ruble. August 23, 1985. Non-thesis project. Evidence against the success of an attempt to mix the bottom sediments of Lake Brooker, Florida as shown by fossil diatom stratigraphy.
- 27) Jeri T. Reinholtz. March 20, 1986. Non-thesis project. Effects of dessication and chlorination on the asiatic clam Corbicula fluminea.
- 28) Eugene W. Medley. October 3, 1989. Phytoplankton communities of 58 acidic lakes in the Ocala National Forest.
- 29) Henry Meier. November 13, 1989. Macroinvertebrate community structure in a first order sand bottom stream in Florida.
- 30) John H. Kiefer. September 5, 1991. Chemical functions and water quality in marshes reclaimed on phosphate mined lands in central Florida.
- 31) Vani Nilakantan. December 3, 1991. Non-thesis Project. Bacterioplankton dynamics in Florida lakes.
- 32) Andrew Woodruff. December 1, 1992. Florida springs chemical classification and aquatic biological communities.
- 33) Laurence O. Goodkin. November 5, 1993. Temperature and salinity tolerance of selected nonindigenous fishes established or collected in the State of Florida.
- 34) Hugo A. Guillen. January 5, 1994. Design and construction of a baffled plug-flow digester in a rural farm in tropical southern Mexico.
- 35) David R. Ferro. May 6, 1994. Non-thesis Project. Osprey foraging on Rodman Reservoir.
- 36) Heather Kuntz. August 23, 1994. Little Lake Weir: A paleolimnological investigation of progressive cultural eutrophication
- 37) Christine M. Keenan. November 22, 1994. A preliminary evaluation of zooplankton in constructed wetlands: Sample size determination and spatial patterns.
- 38) Jeffrey L. Johnson. January 5, 1995. Effect of drawdown on the seed bank of a central Florida lake.
- 39) Valma R. Jessamy. March 23, 1995. Comparison of summer macroinvertebrate community structure in reclaimed phosphate-mined streams of central Florida.
- 40) Andrea J. Leslie. May 29, 1996. Structure of benthic macroinvertebrate communities in natural and clearcut cypress ponds of north Florida.
- 41) Douglas Scott Simpkins. July 26, 1996. Non-thesis Project. An analysis of the elemental sedimentary history of Lake Apopka, Florida.

- 42) Ima C. Bujak. November 12, 1996. Factors influencing the disappearance of the Cisco, *Coregonus artedii*, from northern Indiana lakes.
- 43) Karl A. Bullock. March 26, 1997. Wetland macroinvertebrate community response to altered nutrient and hydrology regimes from reclaimed water addition in Orange County, Florida.
- 44) Matthew G. Doty. January 5, 1998. Non-thesis Project. Relationships between chydorid cladoceran assemblages and macrophyte species composition in a central Florida constructed wetland.
- 45) Amanda R. Miles. April 23, 1998. Non-thesis Project. Seasonal and diurnal patterns of dissolved oxygen in a Florida swamp.
- 46) Tonya D. Cheek. April 24, 1998. Non-thesis Project. Historical trends in golf course design and the role of golf courses in greenway connections: a case study in Collier County, Florida.
- 47) G. Mark Otto. May 6, 1998. An evaluation of *Cyperus papyrus* for wastewater treatment in eastern equatorial Africa.
- 48) Susan L. Hetrick. December 4, 1998. Non-thesis Project. Vegetation and benthic macroinvertebrate community changes in Florida pondcypress swamps following clearcutting.
- 49) Danielle M. Gephardt. December 9, 1998. Non-thesis Project. Uptake abilities and hydrological regimes of select wetland and aquatic plants.
- 50) Michelle L. Cangelosi. December 14, 1998. Non-thesis Project. Post 1880 chronology of sediment and phosphorus accumulation rates in Lake Nabugabo, Uganda.
- 51) Nadine Orrell. April 5, 1999. Non-thesis Project. Paleolimnological investigation of Lake Conway, Florida.
- 52) Michael Stevens. December 3, 1999. Non-thesis Project. Sweetwater Branch stream restoration design.
- 53) Francis Bennett. December 9, 1999. Non-thesis Project. The effects of emergent macrophytes on infiltration in stormwater basins.
- 54) Byron Shumate. December 10, 1999. Non-thesis Project. A feasibility study for the use of cladocerans as paleoindicators in Florida
- 55) Christopher R. Roberts. March 16, 2000. Zooplankton, macroinvertebrate and fish responses to hydrologic renovation of a pondcypress ecosystem in Tate's Hell Swamp, Florida.
- 56) Judith A. Fouts. April 25, 2000. Selecting parameters and taxonomic level of biotic indices for pH and trophic state in acidic Florida lakes.
- 57) Mark D. Fowlkes. April 26, 2000. Non-thesis Project. Effects of the herbicide imazapyr on benthic macroinvertebrates in a logged pond cypress dome.
- 58) Cara Stallman. April 27, 2000. Non-thesis Project. The paleolimnology of two tropical coastal freshwater ponds at Macae, RJ, Brazil.
- 59) Jennifer Hayworth. April 28, 2000. Non-thesis Project. The response of wetland benthic macroinvertebrates to short-term drawdown.

- 60) Kathlene Butler. June 21, 2000. Non-thesis Project. Lost Lake, IN phosphorus and water level trends for the past century.
- 61) Todd Z. Osborne. July 14, 2000. Fine particulate and dissolved organic carbon dynamics of a tropical watershed.
- 62) Karen L. Rogers. August 14, 2000. Non-thesis Project. Individual plant traits influencing macrophytic succession of mitigation marshes in central Florida.
- 63) James Patterson. August 18, 2000. Non-thesis Project. Assessment of water quality improvement measures within Lake Maxinkuckee, Indiana.
- 64) Laura Line. August 18, 2000. Non-thesis Project. Tumblin Creek water quality assessment.
- 65) Kerry J. McWalter. October 18, 2000. Non-thesis Project. Aerial canopy architecture and plant diversity of a valley papyrus (*Cyperus papyrus*) swamp in western Uganda.
- 66) Shannon P. Ludwig. May 4, 2001. Long-term community dynamics and composition of five South Florida plant communities.
- 67) Steven B. Eakin. August 15, 2001. Non-thesis Project. Zooplankton community structure and abundance in Florida Bay.
- 68) Robin L. Johnson. April 26, 2002. Non-thesis Project. Effects of dissolved oxygen substrate and macrophyte density on the abundance of benthos in Lake Conway, Florida.
- 69) Chrysoula Mitraki. February 25, 2003. Non-thesis Project. Effects of cultural eutrophication and hydrological alterations in Lake Koronia, Greece.
- 70) Joshua J. Muller. August 20, 2003. CNRE Non-thesis Project. Characterization of vegetation within the Northwest Eighth Avenue Floodplain of Hogtown Creek.
- 71) Tonya M. Clauss. January 5, 2004. Non-thesis Project. Progressive hypoxia tolerance of eleven species of native freshwater fishes in Florida.
- 72) James L. Myles. January 5, 2004. Non-thesis Project. Assessment of tree mortality in the Hogtown Creek floodplain in Gainesville, Florida.
- 73) Stacie Greco. July 1, 2004. Biogeochemical comparison of wetlands within the southeastern United States.
- 74) Rebecca T. Winn. November 30, 2004. Aquatic macroinvertebrate assemblages in southwest Georgia headwater streams.
- 75) Brandon Tidwell. December 9, 2004. SNRE Non-thesis Project. A summer survey of anurans utilizing constructed stormwater detention ponds in north-central Florida.
- 76) Brooke Talley. April 20, 2005. Non-thesis Project. Dipnet and litterbag sampling techniques for larval *Eurycea cirrigera*: capture and size-class analyses.
- 77) Danny Coenen. June 20, 2005. SNRE. Interannual lake temperature trends as indicators for climatic change in Florida.

- 78) Brian Abrams. August 17, 2006. Non-thesis Project . Use of a constructed wetland for trapping sediment at a canine recreational facility.
- 79) Suzanne Moellendorf. March 9, 2007. Non-thesis Project. Ecohydrology of tropical dry forest streams in Costa Rica: Impact of altered stream hydrology on stream biota in the dry to wet season transition.
- 80) Elizabeth Salisbury. April 13, 2007. Non-thesis Project. Impacts of exotic riparian plants on the structure and function of a stream in southern Florida.
- 81) William Eckman. April 24, 2007. SNRE Non-thesis Project. Relationship of *Pediastrum* distribution to water chemistry and trophic state in Minnesota lakes.
- 82) Cody R. McNeeley. October 29, 2007. Role of beaver impoundments on the structure and function of southern Georgia streams.
- 83) Diane Bennett. December 6, 2007. Amphibian response to forest management practices in southwestern Georgia.
- 84) Shannon McMorrow. December 7, 2007. Impacts of road crossings on headwater streams.
- 85) Christopher Haggerty. April 5, 2010. Annuran and tree community structure of cypress domes in Tampa, Florida relative to time since incorporation within the urban landscape.
- 86) Nataniel L. Goddard. April 13, 2010. Bird communities of isolated cypress wetlands along an urban gradient in Hillsborough County, Florida.
- 87) Christopher Weekes. July 9, 2013. Agricultural and domestic waste contamination in Chilibre, Panama and potential low cost best management practices. MSPH degree. Environmental and Occupational Health, College of Public Health.
- 88) Kamal Aljohani. April 15, 2014. Historical and current status of springs in the Kingdom of Saudi Arabia.
- 89) William Mailand. March 16, 2015. Comparison of gastropod assemblages from natural and phosphate mine lakes of Central Florida.
- 90) Jaime Swindasz. October 20, 2015. (Co-Chair with Philip van Beynen, Environmental Science & Policy). Land-use and water quality in the headwaters of the Alafia River watershed.
- 91) Jacqueline Demko. December 5, 2016. Channel stability and benthic macroinvertebrate biological response in a dry forest watershed of western Costa Rica.
- 92) Lauren N. Williams. March 6, 2018. Grooming behavior of *Macrobrachium rosenbergii*.

COMPLETED Ph.D. STUDENTS FOR WHICH I WAS CHAIRMAN

- 1) Jeffery A. Foran. November 16, 1983. An analysis of competition on daphnid species diversity, or why are there so few species of *Daphnia* in the subtropics and tropics?

- 2) John W. Caldwell. November 22, 1985. The response of seagrass community metabolism to natural and man-made turbidity.
- 3) Raymond W. Bienert, Jr. April 10, 1987. Zooplankton dynamics in an acidic, subtropical lake.
- 4) Anne E. Keller. October 18, 1989. Toxicity testing with fish, zooplankton and mussels: A comparison of sensitivities.
- 5) John R. Beaver. February 23, 1990. Importance of organic color, bacterioplankton and planktivore grazing in structuring ciliated protozoan communities in subtropical lakes.
- 6) Johan F. Gottgens. July 24, 1992. Quantitative impacts of lake level stabilization on nutrient and sediment dynamics: Coupling limnology with modeling.
- 7) Carlos A. Fernandes. January 24, 1994. Replacement of gizzard shad (Dorosoma cepedianum) by blue tilapia (Tilapia aurea) as a potential biomanipulation agent in eutrophic Florida lakes.
- 8) William J. Streever. January 5, 1995. A comparison of dipteran communities from natural and created wetlands in central Florida.
- 9) David L. Evans. August 22, 1996. Aquatic macroinvertebrate communities of constructed and natural freshwater marshes in central Florida.
- 10) Adrienne Cooper. July 24, 1998. Solar photochemical technology for potable water treatment: disinfection and detoxification.
- 11) Sherry Brandt-Williams. November 12, 1999. Evaluation of watershed control of two central Florida lakes: Newnans Lake and Lake Weir.
- 12) Robert Brock. August 15, 2000. Assessment of aquatic food web alterations in the presence of the exotic clam, Corbicula fluminea, and cichlid, Oreochromis aureus.
- 13) Christopher R. Roberts. November 16, 2001. Riparian tree associations and storage, transport, and processing of particulate organic matter in a subtropical stream.
- 14) Wanda Fred Masifwa. April 7, 2003. Resurgence potential of water hyacinth (Eichhornia crassipes (Mart.) Solms) in Lake Victoria.
- 15) Ima Calzada Bujak. July 18, 2003. Effects of water-level fluctuations on phosphorus dynamics of two subtropical wetlands in Donana National Park, Spain and the Everglades, Florida, USA.
- 16) Byron C. Shumate. June 21, 2004. Cycling of organic matter in three soft-water subtropical lakes.
- 17) Marcus Griswold. June 16, 2008. Riparian zone management in coastal plain streams: multi-scale effects of habitat fragmentation.
- 18) Natalie Boodram. January 13, 2009. (Co-Chair with D. Zarin). The structure and composition of riparian vegetation in Trinidad: a baseline for conservation and restoration.
- 19) Suzanne M. Moellendorf. June 15, 2009. Effects of irrigation canals on stream ecosystems in a tropical dry forest region of Costa Rica.
- 20) Danny Coenen. July 21, 2010. Projecting regional climate change in Florida via GIS-based downscaling of a general circulation model.

- 21) Chrysoula Mitraki. May 17, 2012. Ontogeny and littoral structure of lakes created on phosphate mined lands of Central Florida.
- 22) Ryan C.R. Locicero. March 23, 2015. (Co-Chair with M. Trotz). Mainstreaming green infrastructure: the nexus of infrastructure and education using the Green Space Based Learning (GSBLM) model. Department of Civil and Environmental Engineering, USF.
- 23) Nathaniel Goddard. October 1, 2015. Emergent insect and neotropical bird interactions and responses to habitat, hydrology and progressive urbanization in the Tampa Bay region.
- 24) Paul E. Thurman. March 28, 2016. Vegetative responses to hydrology and ground water extraction in West-Central Florida cypress domes.
- 25) Christopher J. E. Haggerty. October 7, 2016. Importance of forest structure for amphibian occupancy in north-central Florida: comparisons of naturally regenerated forests with planted pine stands.
- 26) Aaron T. Brown. July 11, 2017. Freshwater wetland creation in a changing urban environment: designing for long term viability.
- 27) Kamal Aljohani. November 4, 2019. Springs of the Arabian Peninsula: historical trends, current status and human impact in Saudi Arabia, Oman and Jordan.

RESEARCH ADVISOR FOR UNDERGRADUATE B.S. STUDENTS

- 1) Dario J. Medina. 1984. Effect of artificial total water column aeration on bottom sediments and sediment pigments in a eutrophic Florida lake. (Undergraduate thesis, Interdisciplinary Studies, UF).
- 2) Diane Bennett. 2006. Effects of survey protocol on detection probability for summer breeding anurans of North-Central Florida (Undergraduate thesis, University Scholars Program, UF).
- 3) Brittany Harrison. 2009. Effects of urbanization on temperature and conductivity of streams in northeast Hillsborough County, Florida. (Undergraduate thesis, Honors College, USF).

POSTDOCTORAL RESEARCH ASSOCIATES

1. Michael W. Binford. 1984. 210-Pb analysis of sediment cores from seven acidic Florida lakes. Funded by Electric Power Research Institute (EPRI).

CURRENT GRADUATE STUDENTS FOR WHICH I AM CHAIRMAN

M.S. (Thesis):

- 1) Tara Harter. Wading bird communities of wetlands along gradients of urbanization and hydrological alteration in Hillsborough County, Florida
- 2) Rebecca Ruthberg-Campagne. Impact of urbanization and sea level rise on shore bird communities of Pinellas County, Florida.
- 3) Zachary Winters. Potential for implementation of nature-based solutions to meet the challenges of the water-food-energy nexus in Caribbean nations.