

CURRICULUM VITAE

THOMAS E. LACHER, JR., Ph.D.
Professor
Department of Wildlife and Fisheries Sciences
TAMU 2258
Texas A&M University
College Station, TX 77843-2258
Main Phone: (979) 845-5777; Fax: (979) 845-3786
E-mail: tlacher@tamu.edu

EDUCATION

B.S.: April, 1972, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA, minors in Chemistry and English, overall GPA (137 semester credits)-3.45.

Undergraduate honors: Pennsylvania State Scholarship, Senatorial Scholarship, Honors Major in Biology, Cum Laude graduate, Dean's List - 8 semesters.

Ph.D.: April, 1980, Department of Biological Sciences, Section of Ecology, Evolution and Systematics, University of Pittsburgh, Pittsburgh, PA, overall GPA (61 semester credits)-3.93.

Dissertation: The Comparative Social Behavior of *Kerodon rupestris* and *Galea spixii* in the Xeric Caatinga of Northeastern Brazil - Michael A. Mares, major advisor.

Language proficiency: Read Italian (basic); Read and speak French (basic); Read, write, understand, and speak Spanish (proficient); Read, write, understand, and speak English and Portuguese (fluent)

EMPLOYMENT HISTORY AND TEACHING EXPERIENCE

Research/Teaching/Tenure Track Positions

- 2007-present **Full Professor**, Department of Wildlife and Fisheries Sciences, Texas A&M University. Also Core Faculty in the Interdisciplinary Doctoral Program in Ecology and Evolutionary Biology and Core Faculty of the NSF IGERT in Applied Biodiversity Science. Teach Dominica Tropical and Field Biology, Wildlife and Fisheries Conservation, and Mammalogy (all UG) and Conservation of Threatened Species and Applied Biodiversity Science I (both Grad). Previously **Department Head (2007 - 2011)**. Responsible for the administration, financial management and strategic leadership of the teaching, research and extension programs for the department, including 26 teaching/research faculty FTEs, 7 extension faculty FTEs, 3 off-campus research scientists, and approximately 30 technical, administrative and extension staff.
- 2002-2007 **Senior Vice-President and Executive Director**, Center for Applied Biodiversity Science, previously **Vice-President, Field Assessment and Monitoring** (2003), and **Senior Director** TEAM Initiative (2002-2003). As Executive Director, responsible for all operations of the Center for Applied Biodiversity Science, the research division of Conservation International. In previous positions, responsible for the development of a standardized protocols for the monitoring and assessment of biodiversity in tropical forest ecosystems, and for the creation of a network of tropical field stations for the implementation of the monitoring protocol. Field station network will generate a shared web-based data bank on tropical forest condition, worldwide. Stations will also be responsible for education, training, and capacity building of local conservation scientists. Also supervised the Rapid Assessment Program within CABS.
- 1996-2004 **Caesar Kleberg Chair in Wildlife Ecology** and **Full Professor**, Department of Wildlife and Fisheries Sciences and Intercollegiate Faculty of Toxicology, Texas A&M University. (On leave 2002-2004) Taught: Conservation, Ecology, and Management of Wildlife in the Tropics (Grad), Theory of Research-Statistical Methodologies (Grad), Tropical Field Biology in Dominica (UG), Wildlife Conservation and Management (UG), and lectured in Mammalogy (UG) and Conservation Biology (Grad).

- 1989-1996 **Executive Director**, Archbold Tropical Research Center, Clemson University. Responsible for administration of a consortium of universities and agencies, fund raising, coordination of research, and development of curricular activities. Managed projects in Argentina, Belize, Brazil, Costa Rica, Dominica, Mexico, and Panama. **Associate Professor** (1989-1993), **Full Professor** (1993) with appointments in the Department of Environmental Toxicology, the Department of Aquaculture, Fisheries, and Wildlife, and the Department of Park, Recreation, and Tourism Management. **Section Leader** (1994-1996) for Terrestrial Ecotoxicology, Institute of Wildlife and Environmental Toxicology. Taught Conservation Biology (UG), Conservation and Ecology of Wildlife in the Tropics (Grad.), and Advanced Wildlife Toxicology (Grad.).
- 1987-1989 **Associate Professor**, Huxley College of Environmental Studies and Department of Biology, Western Washington University, Bellingham, WA 98225. Taught undergraduate classes in General Ecology, Biometrics, Population Ecology, Conservation of Biological Diversity, and graduate courses or seminars in Environmental Impact Assessment, Advanced Wildlife Assessment Techniques, Community Ecology, Coevolution, and Territoriality.
- 1981-1987 **Assistant Professor**, Huxley College of Environmental Studies, Western Washington University, Bellingham, WA 98225. Taught Ecology; Ecosystems Analysis; Population Ecology; Terrestrial Ecosystems Analysis; Wildlife, Forest, and Park Management; Statistics for Environmental Studies; and selected seminars: Behavioral Ecology, Theoretical Ecology, Conservation Biology, and Special Topics in Statistical Analysis.
- 1979-1981 **Professor Colaborador IV**, Departamento de Biologia Animal, Universidade de Brasília, DF, Brazil 70910. Taught Vertebrate Zoology, Animal Ecology and undergraduate independent research projects in Zoology and Ecology.
- 1978 **Graduate assistant** in the National Science Foundation - Undergraduate Research Program at the Pymatuning Laboratory of Ecology.
- 1976-1978 **Research assistant** on the Academia Brasileira de Ciências Project Number 85, Ecology, Evolution, and Zoogeography of Mammals of Northeastern Brazil.
- 1972-1976 **Teaching assistant**, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA 15260. Assistant in General Biology, Animal Physiology, Population and Evolutionary Biology, Environmental Biology, Vertebrate Field Biology and Experimental Vertebrate Ecology.
- Visiting/Adjunct Positions and Special Appointments*
- 2015-present **Associate Conservation Scientist**, Global Wildlife Conservation, Austin, TX.
- 2014 **Visiting Professor**, Doctoral Program in Ecologia de Ambientes Aquáticos Continentais” Universidade Estadual de Maringá, Maringá, Paraná, Brasil. Presented a one week short course in Conservation Biology.
- 2013 **Visiting Professor**, Participant in the project “Morcegos em Fragmentos Florestais do Alto Rio Paraná, Sul do Brasil,” Universidade Estadual de Maringá, Maringá, Paraná, Brasil. Presented a seminar on the Conservation and Ecology of Mammals and presented an four lecture short course on Mammalogy.
- 2011-present **Affiliated Faculty**, Texas Center for Climate Science, Texas A&M University.
- 2011-2013 **Applications Researcher**, Institute for Applied Mathematics and Computational Science (IAMCS), a collaboration between Texas A&M University and King Abdullah University of Science and Technology, Saudi Arabia.
- 2010-present **Member** of the IUCN Red List Committee, Gland, Switzerland (one of 23 members worldwide).
- 2007-2010 **Senior Research Fellow** in the Center for Applied Biodiversity Science at Conservation International, Arlington, VA.

- 2004-2007 **Visiting Scientist**, Department of Environmental Sciences, University of Virginia, Charlottesville, VA.
Adjunct Graduate Faculty, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX.
- 1999-2002 **Senior Research Fellow** in the Center for Applied Biodiversity Sciences at Conservation International, Washington, DC.
- 1997 **Adjunct Professor**, Institute of Wildlife and Environmental Toxicology and Department of Environmental Toxicology, Clemson University, Clemson, SC.
- 1995 **Visiting Professor**, Programa Interdisciplinar de Pós-Graduação e Pesquisas Ambientais (Interdisciplinary Program in Environmental Research/Graduate Education), Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil. Taught workshop on Concept, Planning, and Implementation of Programs and Centers in the Area of Conservation; sponsored by CAPES, the Brazilian governmental agency for graduate training and education.
- 1995 **Visiting Scientist**, United States Information Service, to deliver keynote address at the VI Congresso Nordestino de Ecologia in João Pessoa, deliver seminars in Belém and Manaus, and visit with scientists, environmentalists, and government officials at universities and research laboratories in Rio de Janeiro, João Pessoa, Belém, and Manaus, all in Brazil.
- 1988 **Visiting Scientist**, Conselho Nacional de Desenvolvimento Científico e Tecnológico (Brazilian National Research Council), Brasília, DF, Brazil. Participated in an Environmental Impact Assessment of a proposed hydroelectric project.
- 1986 **Visiting Professor**, Departamento de Zoologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil. Taught course in Conservation and Wildlife Management and assisted in the development of a graduate program in Wildlife Ecology and Management.

RESEARCH EXPERIENCE

- 2007-Present Patterns of morphological variation in Amazonian marmosets; cultural values and conservation in rural communities in Guyana, ecology and conservation of macaw species in Peru, transboundary conservation of bats and agaves in the Texas and northern Mexico, payment for ecosystem services and mammalian conservation on a landscape matrix in Costa Rica; spatial ecology of sloths in Costa Rica; population and community ecology of bats in the southern Brazilian Atlantic Forest, assessment and monitoring of globally threatened species.
- 2002-2007 Development of a long-term monitoring and assessment program for biodiversity in the tropics; creation of a data sharing network for information on tropical forest condition; collaboration with the IUCN on the global Red List assessments of mammals and other taxa.
- 1996- 2004 Community ecology of small mammals along an altitudinal gradient in El Cielo Biosphere Reserve, Tamaulipas, Mexico; development of new models integrating fractal geometry and topology for the evaluation of fragmentation on biodiversity; pesticide impacts on amphibian populations in the Lower Rio Grande Valley and in the high Sierra Nevada of California; assessment of contaminant impacts on bat populations in Texas; research on patterns of biodiversity in managed forest lands in East Texas; comparisons of the use of created and natural wetlands by waterfowl; studies on the environmental services provided by rice agriculture on the Texas coastal plain.
- 1990-1997 The AMISCONDE Initiative - a conservation, restoration, and sustainable development initiative in the buffer zone of the La Amistad Biosphere Reserve in the Talamanca Mountains of Costa Rica and Panama that also included environmental education components such as seed money for the construction at the Simon Bolivar Zoo in San José, Costa Rica of an environmental education center.
- 1989-1996 Conservation biology and technology transfer in Latin America and the Caribbean; effects of pesticides on population biology of wildlife species; use of mycorrhizae in tropical reforestation; use of remote sensing and GIS to develop a habitat map for Costa Rica; gap analysis of important wildlife species in Costa Rica.

- 1983-1989 Density, diversity, and microhabitat preferences of small mammals in central Brazilian savanna and wetland habitats; termite distributions in savanna habitats; wildlife toxicology; structure of small mammal communities in Pacific Northwest forests; wildlife management in Pacific Northwest forest lands; conservation education in Brazil.
- 1981-1982 Importance of resource distribution and social status as determinants of individual variation in home range size; studies on optimal foraging in a granivorous rodent.
- 1979-1981 Behavior and ecology of free-ranging marmosets (*Callithrix jacchus penicillata*) in central Brazil; examinations of scent marking behavior in a nocturnal cricetid rodent *Oxymycterus roberti*; research on the comparative thermoregulatory behavior of some Neotropical turtles.
- 1976-1978 Two-year study of the comparative behavior of two species of sympatric caviid rodents (*Kerodon rupestris* and *Galea spixii*) in northeastern Brazil, assisted by a grant (to M.A. Mares) from the Brazilian Academy of Sciences. Also assisted in a large-scale survey of the mammals of the Xeric Caatinga of northeastern Brazil and did research on the behavior of *Polychrus acutirostris* (Iguanidae) in northeastern Brazil.
- 1975-1978 Determining factors of home range size in *Tamias striatus*; insular biogeography of birds in a freshwater lake.
- 1972-1974 Population and reproductive data on eastern chipmunks, *Tamias striatus*, and collection of caloric and nutrient (nitrogen analysis) data on natural foods of chipmunks (research assistant -Pymatuning Laboratory of Ecology).
- 1972 Assimilation efficiencies of various natural and laboratory foods in eastern chipmunks, *Tamias striatus* (UG thesis).

ADMINISTRATIVE EXPERIENCE

Department Head, Department of Wildlife and Fisheries Sciences, Texas A&M University. 03/01/2007 – 04/01/2011. As department head I had the following administrative duties:

- Supervise total staff of approximately 60, including about 45 Ph.D. level research, teaching and extension faculty, postdocs, and research scientists.
- Provide strategic vision for department.
- Manage the departmental budget for teaching, research and extension.
- Represent the department to the Vice-Chancellor and Dean of the College of Agriculture and Life Sciences, the Director of the Texas AgriLife Research (Agricultural Experiment Station), the Director of Texas AgriLife Extension (the Cooperative Extension Service), and other aspects of the higher administration where required.
- Coordinate curricular development and planning for approximately 400 undergraduate students in three major emphases: Aquatic Ecology and Conservation, Vertebrate Zoology, and Wildlife Ecology and Conservation.
- Manage the graduate teaching program at the M.S. and Ph.D. level for nearly 200 graduate students.
- Promote enhancement of diversity at the faculty, staff, undergraduate and graduate levels.
- Represent the Department to external constituencies such as Texas Parks and Wildlife Department, the Texas Wildlife Association, Texas Council on Environmental Quality, private landowners, and other public and private stakeholders.

Senior Vice-President and Executive Director, Center for Applied Biodiversity Science, Conservation International. 11/01/2003 – 02/28/2007. As Executive Director, I had the following administrative duties:

- Supervise staff of approximately 75, including about 30 Ph.D. researchers.
- Provide overall vision and priorities for the Center, including new research opportunities and research partnerships.

- Provide oversight for fundraising, grant preparation and submission, and financial management, managing an annual budget of approximately 17 million dollars, in collaboration with CABS fiscal support staff.
- Coordinate activities and establish priorities of the following research programs (Climate Change, Conservation Synthesis, Rapid Assessment Program, Tropical Ecology, Assessment and Monitoring Initiative, Marine Management Area Science, Scientific Publishing and Information Resources, Regional Analysis and GIS Mapping, Human Dimensions, and Threatened Species Programs). Research projects spanned over 40 countries globally.
- Represent CABS to the Executive VP, CFO, President, CEO, and Board of Conservation International.
- Present CABS initiatives, proposals, and projects at national and international meetings, to donors, to agencies, and to potential research collaborators.

Vice President, Field Assessment and Monitoring (promoted from **Senior Director** for the Tropical Ecology, Assessment and Monitoring (TEAM) Initiative), Center for Applied Biodiversity Science, Conservation International. 8/1/2002-10/31/2003. As vice president I was responsible for the following administrative activities:

- Establish priorities for the creation of a network of tropical forest field station, located in Conservation International's Hotspots and tropical wilderness areas.
- Coordinate the development of a standardized protocol for the monitoring and assessment of indicators of the condition of biodiversity in the tropics. Indicators include climate, plant, invertebrate and vertebrate variables.
- Supervise the Washington, DC based staff, project coordinators located in each of the hotspots, and in-country field and technical staff responsible for the protocol implementation.
- Collaborate with the Conservation Knowledge Department of Conservation International on the development of a web-based data bank on the monitoring protocol accessible by the scientific community.
- Integrate TEAM activities with the Regional Analysis and GIS mapping program at Conservation International.
- Supervise staff and collaborate with the Rapid Assessment Program at CI on inventory, monitoring and assessment activities at CI priority conservation regions.

Director of the Archbold Tropical Research Center 1989-1996. As director I was responsible for the following administrative activities:

- Coordinate activities of the member consortium institutions of the Center.
- Manage the Center's Springfield Environmental Laboratory on the island of the Commonwealth of Dominica, including the supervision of the general manager, a resident research coordinator, and the staff.
- Plan and coordinate all teaching/training activities at the Springfield Environmental Laboratory.
- Coordinate the research activities of visiting scientists at the Springfield Environmental Laboratory.
- Pursue fund-raising activities. Donors of equipment and supplies included the Smithsonian Institution Museum of Natural History, the USDA Forest Service, the National Park Service, Springs Industries, Inc., Beacon Manufacturing Company, the Monsanto Agricultural Company, Quaker State Corporation, Dr. Frank Woods, Mr. Walter B. Cook, Ms. Elizabeth Fuller, the Estate of John D. Archbold, and supporters of the late John D. Archbold.
- Obtain and supervise grants and contracts. Grants and contracts obtained from: McDonald's Corporation, Coca Cola Foundation, Keystone Foods, OSI Industries, L+O International, Nestlé, the USDA Forest Service, USAID Program for Science and Technology Cooperation, World Wildlife Fund/Biodiversity Support Program, Sophie Danforth Conservation Biology Fund, American Cyanamid Company, and Clemson University Provost Award Fund.

Section Leader for Terrestrial Ecotoxicology in the Institute of Wildlife and Environmental Toxicology 1994-1996. As section leader I was responsible for the following activities:

- Coordinate research activities in the area of terrestrial ecotoxicology.
- Oversight of section personnel, including two faculty, one postdoc, one administrative assistant, graduate students, and grant temporary employees.
- Coordinate use and management of the two field research facilities of the Institute of Wildlife and Environmental Toxicology: the Edith Angel Environmental Research Center in Chariton, Iowa, and the Miley Environmental Education and Research Center, in Hampton County, South Carolina.

INTERNATIONAL AND OVERSEAS EXPERIENCE

<i>Argentina</i>	1990, 2007, 2009. Three weeks - invited speaker, international symposia.
<i>Australia</i>	2014. One week, World Parks Congress.
<i>Belgium</i>	2016. Two days, personal travel.
<i>Brazil</i>	1976, 1977, 1978, 1979, 1980, 1981, 1983, 1985, 1986, 1988 (2 trips), 1990, 1992, 1993 (2 trips), 1995 (2 trips), 1998, 2000, 2002, 2003 (2 trips), 2004, 2005 (2 trips), 2006 (3 trips), 2010, 2012 (2 trips), 2013, 2014. Well over six years spent in country - research, teaching, consultant, program development, keynote speaker at conference, Global Mammal Assessment workshop participant.
<i>Colombia</i>	2002. One week - research planning conference.
<i>Canada</i>	1985, 1997, 2002, 2004, 2005. Five weeks - invited speaker/international symposia, conferences, committees, workshop participant, and dissertation committee.
<i>Cambodia</i>	2006. One week - Evaluation of Conservation International wildlife trade program.
<i>China</i>	2005. One week - Workshop on CI China program.
<i>Costa Rica</i>	1990, 1991 (3 trips), 1992 (2 trips), 1993 (3 trips), 1994 (3 trips), 1995 (2 trips), 1996, 1997, 1998, 2004, 2008, 2009 (2 trips), 2012, 2013, 2014, 2015. Twenty-five weeks total - research, program development, international symposium, project site visit and planning.
<i>Dominica</i>	1989, 1990 (2 trips), 1991 (2 trips), 1993, 1994, 1998, 2000, 2001, 2002, 2003, 2004, 2006, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015. Total time in country, 49 weeks - meetings, program development, teaching and research, study abroad trip.
<i>England</i>	2001, 2005, 2012, 2014, 2016 (2 trips). Thirty days - museum visit, international symposium, IUCN Red List activities, Elsevier Press.
<i>France</i>	2005, 2015. Two weeks, personal travel, international congress.
<i>Germany</i>	2013. Two days, personal travel.
<i>Guatemala</i>	1996. One week - international panel/workshop.
<i>Guyana</i>	2006, 2008. Two weeks - program review and planning, visit dissertation research site.
<i>Honduras</i>	2008. One week - Global Mammal Assessment workshop.
<i>Hong Kong</i>	2006. Two days - Conservation International-related travel.
<i>Ireland</i>	1999. One week - Personal travel.

<i>Italy</i>	1989, 2001, 2013. Four weeks - international symposium and invited participant, Species Survival Committee of the IUCN; invited participant, UNESCO-FAO meeting on biodiversity monitoring, IUCN red List Committee meeting.
<i>Madagascar</i>	2006. Two weeks - International symposium and invited speaker, research site visits.
<i>Mexico</i>	1987, 1997, 1999, 2010. Four weeks - international symposia and research.
<i>Netherlands</i>	2015. Two days, personal travel.
<i>Panama</i>	1976, 1992, 1993 (2 trips), 1994, 1995, 1996, 1997, 1998, 2002. Six weeks total - consultant, project planning, symposium speaker, and research.
<i>Peru</i>	2003. One week. Activity - project site visit and planning.
<i>Philippines</i>	2006. One week - program review and planning.
<i>Puerto Rico</i>	1993, 1998, 2000, 2001, 2002, 2004, 2006, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015. Four weeks plus- invited speaker/international workshop, study abroad trips.
<i>Qatar</i>	2014. Two days – Texas A&M related travel.
<i>Saudi Arabia</i>	2012. One week – research symposium.
<i>Scotland</i>	2003. One week - international conference.
<i>South Africa</i>	2001, 2003. Four weeks - invited paper, World Parks Congress, two international symposia, field work.
<i>South Korea</i>	2012. One week – World Conservation Congress and workshop participant.
<i>Spain</i>	1998, 2008. Two weeks - invited paper, international symposia, World Conservation Congress.
<i>St. Maarten</i>	1994. One day - Personal travel.
<i>Suriname</i>	2003 (2 trips). Three weeks - Research planning and site selection.
<i>Switzerland</i>	2010, 2011. Two weeks – international workshop, IUCN training.
<i>Thailand</i>	2005. One week - International congress of CBD: SBSTTA.
<i>Uganda</i>	2014, 2016. Four weeks, USAID Project.
<i>United Arab Emirates</i>	2012, 2015. Two weeks (Abu Dhabi/Dubai). IUCN SSC Chairs Meetings.

PROFESSIONAL SERVICE

Professional Societies

American Association for the Advancement of Science (AAAS) - since 1993
 American Society of Mammalogists - since 1974
 American Society of Naturalists – 1979-2009
 Association for the Study of Animal Behavior – 1979-2007
 Association for Tropical Biology - since 1979
 Interciencia Association – 1986-2006
 Ecological Society of America - since 1979
 National Geographic Society - since 1983
 Society of Environmental Toxicology and Chemistry - 1994-2002
 Society for Conservation Biology - since 1988

Society of Sigma Xi – 1980-2014.
Texas Wildlife Association –2007-2011
The Wildlife Society – 2007-2014 (Texas Chapter 2007-Present).

Professional Activities: Editorial and Review

Reviewer for the following scientific journals: *Acta Oecologica, Acta Theriologica, Actualidades Biológicas, Ambio, American Midland Naturalist, American Naturalist, American Scientist, Animal Behavior, Animal Conservation, Annals of the Carnegie Museum of Natural History, Ararajuba, Arquivos do Museu Nacional - Rio de Janeiro, Austral Ecology, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biodiversity and Conservation, Biological Conservation, Biology, BioScience, Biota Neotropica, Biotropica, Bulletin of Environmental Contamination and Toxicology, Canadian Journal of Zoology, Check List, Conservation Biology, Conservation Letters, Copeia, Critical Reviews in Toxicology, Ecology, Ecological Applications, Environmental Pollution, Environmental Science and Technology, Environmental Toxicology and Chemistry, Forest Ecology and Management, Journal for Nature Conservation, Journal of Biogeography, Journal of Mammalogy, Journal of Tropical Ecology, Journal of Wildlife Management, Journal of Zoology, Mammal Research, Mammalia, Mammalian Species, Mastozoologia Neotropical, Oikos, Oryx, Philosophical Transactions of the Royal Society, PLoS ONE, Restoration Ecology, Revista de Mastozoologia, Southwestern Naturalist, Studies on Neotropical Fauna and Environment, Zoological Studies.*

Reviewer of grant proposals and/or manuscripts for the National Science Foundation, the Environmental Protection Agency, the Council for International Exchange of Scholars (Fulbright Commission), the National Geographic Society, The Nature Conservancy, the Wildlife Conservation Society, Earthwatch, the Lincoln Park Zoo Field Conservation Fund, the Interdisciplinary Research Initiative grants program at Texas A&M University, the Research Support Foundation of the State of São Paulo, Brazil (FAPESP), the Brazilian Agency for Agricultural Research (EMBRAPA), the British Petroleum Conservation Programme, the University of Oklahoma Press, Springer-Verlag, Academic Press, the University of Chicago Press, and Time Life, Inc.

Co-editor of book *Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems*, Lewis Publishers (1994).

Consulting editor for Time Life Inc. for the volume *The Land and Wildlife of South America* in the series Life Nature Library.

Co-editor of the 1997 Annual Review Issue of the journal **Environmental Toxicology and Chemistry** on "Tropical Ecotoxicology."

Co-editor of book *GIS Methodologies for Developing Conservation Strategies: Tropical Forest Recovery and Wildlife Management in Costa Rica*, Columbia University Press (1998).

Editorial Board Member for Terrestrial Toxicology, **Environmental Toxicology and Chemistry** (2000-2002).

Editorial Board Member of the online journal **Sustainability: Science, Practice, & Policy** (2004-2006).

Editorial Board Member, for the journal **Megadiversidade** (2005 – 2009).

Associate Editor for **Mastozoologia Neotropical** (2006-present).

Co-editor of the book *Wildlife Toxicology: Emerging Contaminant and Biodiversity Issues*. Taylor and Francis, Boca Raton.

Co-editor of the books *Handbook of Mammals of the World, Volumes 6 and 7*. Lynx Editions, Barcelona.

Section Editor for the series *Encyclopedia of the Anthropocene, Volumes 1 – 6*, Elsevier Press, Orford.

Professional Activities: Boards, Committees and Panels

Member of the International Relations Committee of the American Society of Mammalogists (1984-1986, 1988-2002);
Chairperson of the International Relations Committee of the American Society of Mammalogists (1990-1994).

Consultant for the World Wildlife Fund in Brazil (1986).

Member of the Species Survival Commission/New World Marsupial Specialist Group of the International Union for the Conservation of Nature and Natural Resources (IUCN), 1989-1996.

Member of the evaluation panel in Biology for the National Science Foundation's Graduate Fellowship Program, conducted by the Fellowship Program Division of the National Research Council-National Academy of Sciences (1990, 1991 and 1992).

Member of the evaluation panel in the Teacher Preparation and Enhancement Program for the National Science Foundation, Directorate for Science and Engineering Education (1990).

Member of the Council for International Exchange of Scholars (Fulbright Commission), Area Advisory Committee for Latin America (1991, 1992, Committee Chair in 1993).

Consulting Contributor to the National Research Council project published as National Research Council (1991) *Microlivestock: Little Known Small Animals with a Promising Economic Future*. National Academy Press, Washington, DC.

Invited Participant, National Conference on the National Institutes for the Environment, May 27-29, 1992, Chevy Chase, MD.

Contributor to the Needs and Rationale Statement for the Committee for the National Institutes of the Environment (1992-1993).

Listed in *Who's Who in Science and Engineering*, 1st and 2nd Eds. (1992-1993).

Peer Reviewer for the U. S. EPA Office of Research and Development Graduate Fellowship Program (1996).

Member of the U.S. EPA Ecological Committee on FIFRA Risk Assessment Methods (ECOFRAM), Terrestrial Effects Workgroup (1997-1998).

Member of the panel on Action Priorities for the Conservation of the Biodiversity of the Cerrado and Pantanal, sponsored by FUNATURA, Conservation International, Fundação Biodiversitas, and Universidade de Brasília, March 23-27, 1998 in Brasília, Brazil.

Peer Reviewer for the U.S. EPA Draft Wildlife Research Strategy (2000).

Member of the Scientific Advisory Panel for the Institute of Environmental and Human Health, Texas Tech University and Texas Tech University Health Sciences Center (2000-2012).

Member of the U.S. EPA Peer Review Panel for Wildlife Risk Assessment (2001).

Invited Participant, Special Meeting on the Biosphere Reserve Integrated Monitoring Programme of UNESCO, September 4-6, 2001, Rome Italy.

Member of the Jackson Award Committee of the American Society of Mammalogists (2000-2010).

Invited Participant, National Center for Ecological Analysis and Synthesis working group "A Collaborative Research Effort in Climate Change and Biodiversity for the Tropical Andes", January 8-10, 2002, Santa Barbara, CA.

Invited Participant, National Center for Ecological Analysis and Synthesis workshop "Biodiversity Informatics for Conservation", April 21-23, 2003, Santa Barbara, CA.

Invited Participant, Workshop on Acoustic Monitoring of Endangered Species, Bioacoustics Research Program, Cornell Laboratory of Ornithology, October 16-17, 2003, Ithaca, NY.

Member of the Science Panel of the Ocean Conservation and Tourism Alliance (2004-2005).

Invited Participant, USGS - Landscape/Species Modeling Workshop, University of Arizona, January 21-22, 2004, Tucson, AZ.

Invited Participant, Planning Workshop for a Neotropical Ecological Observatory as part of proposed NEON Network, Florida International University, April 9-10, 2004, Miami, FL.

Invited Participant, Simpósio Internacional Projetos Ecológicos de Longa Duração (Symposium on Brazilian LTER Network), July, 2004, Manaus, Brazil.

Invited Panel Speaker, "Mass Extinction Today: Does Anyone Care." Society of Environmental Journalists Annual Conference, October, 2004, Pittsburgh, PA.

Invited Panel Speaker, "Birds, Butterflies and Bats: Cross-Border Migration and Wildlife Management." Society of Environmental Journalists Annual Conference, September, 2005, Austin, TX.

Member, Conservation International Program Management Group review of the CI-China Program, April, 2005, Kunming and Lijiang, China.

Invited Participant, Global Mammal Assessment Workshop for the small mammals of Bolivia, Paraguay and Brazil, October, 2005, Vitória, Brazil.

Invited Participant, Tropical Ecology, Assessment and Monitoring (TEAM) Network meeting, February, 2006, Foz de Iguaçu, Brazil.

Member, CI-Guyana Strategy Review, February, 2006, Georgetown, Guyana.

Member, Conservation International Program Management Group review of the CI-Philippines Program, November, 2006, Manila, Philippines.

Invited Panel Speaker, "Integrating Science and Policy." Evolutionary Change in Human Altered Environments: An International Summit, February, 2007, UCLA, Los Angeles, CA.

Invited Participant, Global Mammal Assessment Workshop for the small mammals of MesoAmerica and the Caribbean, January, 2008, Zamorano, Honduras.

Invited Panel Speaker, "Status of the World's Mammals: A Comprehensive Assessment of Species Ecology, Threats, and Conservation Measures." October, 2008, World Conservation Congress, Barcelona, Spain.

Member of the Conservation Awards Committee of the American Society of Mammalogists (2007-present), **Chair** (2009).

Invited Roundtable Speaker, Packard Foundation sponsored Conservation Management Program, January, 2010, University of California, Davis.

Member of the Latin American Fellowship Committee of the American Society of Mammalogists (2010-present).

Member and representative for Texas A&M University (one of only 10 institutions worldwide) on the IUCN Red List Partnership and the IUCN Red List Committee, Gland, Switzerland, (2010-present).

Member of the Council for International Exchange of Scholars (Fulbright Commission), Agriculture Peer Review Committee (2011-2015).

Co-chair of the Species Survival Commission/ Small Mammal Specialist Group of the International Union for the Conservation of Nature and Natural Resources (IUCN), member since 2011, appointed co-chair 2012.

Member of the Society for Conservation Biology Biosecurity Task Force, (2011-present).

Member of the Society for Conservation Biology Treaties Task Force, (2012-present).

Chair of the Conservation Committee of the International Federation of Mammalogists, (2013 – 2017).

Professional Activities: Conference and Symposium Organization

Member of the Organizing Committee for the VIII Congresso Brasileiro de Zoologia in Brasília, Brazil (1981).

Organized and Chaired session "Population Effects of Toxic Substances on Wildlife" at Wildlife Toxicology Symposium, 8th Annual Meeting of Society of Environmental Toxicology and Chemistry, Pensacola (1987).

Member of the steering committee for the Second International Symposium of Latin American Mammalogy, Buenos Aires, Argentina (1990).

Organized and Chaired session "International Cooperation" at the Second International Symposium of Latin American Mammalogy, Buenos Aires, Argentina (1990).

Co-convener of the international conference "The Population Ecology and Wildlife Toxicology of Agricultural Pesticide Use: A Modeling Initiative for Avian Species", with R. J. Kendall, July 22 to July 27, 1990, Kiawah Island, South Carolina.

Co-convener of workshop on Latin American Mammalogy at the 75th Anniversary Meeting of the American Society of Mammalogists, with Victor Sanchez-Cordero, June 18-23, 1994, Washington, DC.

Co-chair of EPA/National Wildlife Federation workshop "Lead Shot Exposure in Non-Waterfowl Species", with R.J. Kendall, October 8-13, 1994, Blaine, Washington.

Meeting coordinator for agreement holder (Clemson University - TIWET) at the second FAO/IAEA/SIDA coordination meeting on Agroecological Effects Resulting from the Use of Persistent Pesticides in Central America, September 24-29, 1995, Pendleton, SC.

Member of the steering committee for the workshop "Monitoring the Status of Biodiversity in Tropical Forest Habitats" hosted by the Center for Applied Biodiversity Science of Conservation International, October 4-8, 1999, Washington, DC.

Co-convener of a workshop on "Networks in Tropical Ecology", with Oliver Phillips, University of Leeds, Annual Meeting of the Association for Tropical Biology and Conservation, July 7-10, 2003, Aberdeen, Scotland.

Organized and Chaired session "Conservation Science" at the Conservation International Annual Planning Symposium "Scaling Up Biodiversity Conservation", April 26-28, 2004, Washington, DC.

Organized and Chaired Baselines of Status and Trends for the 2010 Target. IUCN, CI, WWF, USGS, NASA-NGO Conservation Group. Special Event at the 10th Meeting of the Subsidiary Body on Scientific, Technical and Technological Advice of the Convention on Biological Diversity. Bangkok, Thailand, 7-11 February, 2005.

Co-convener of a workshop on "Multi-scale Cyberinfrastructure to Support Biodiversity Research and Conservation" with Sandy Andelman, Conservation International, Joint Meeting of the Ecological Society of America and INTECOL, August 7-12, 2005, Montreal, Canada.

Organized and co-chaired session "Africa's Importance for Biodiversity- Opportunities and Constraints" at the Conservation International Global Symposium 2006, Defying Nature's End: The African Context, June 20-24, 2006, Antananarivo, Madagascar.

Co-organized and co-chaired workshop "A Avaliação Global de Mamíferos: Integrando Ecologia, Biogeografia, e Conservação" at the I Congresso SulAmericano de Mastozoologia, October 5-8, 2006 Gramado, RS, Brazil.

Member, Policy Advisory Committee for "Evolutionary Change in Human Altered Environments: An International Summit" February 8-10, 2007, UCLA, Los Angeles, CA.

Co-organized and co-chaired symposium "The Future of the World's Mammals: The IUCN Red List Database as a Tool in Conservation Modeling and Planning." 10th International Mammalogical Congress, August 9-14, 2009, Mendoza, Argentina.

Participant and Session Chair in the workshop "Establishing the IUCN Red List as the Foundation for Species Conservation." IUCN World Conservation Congress, September 6-11, 2012, Jeju, South Korea.

DEPARTMENT AND UNIVERSITY SERVICE

- 1979-1981 **Universidade de Brasília.**
Graduate Instruction
1) Member of graduate faculty in Ecology
2) Served on two MS thesis committees
- 1981-1989 **Western Washington University.**
Graduate Instruction
1) Member of graduate faculty in Biology and Environmental Studies
2) Served on 18 MS thesis committees
3) Major advisor of six MS candidates (two were completed and four were in progress when I left WWU)
- Huxley College Committee Service*
1) Community Affairs (1 yr.)
2) Curriculum (2 yrs.-1 yr. chair)
3) Personnel (4 yrs.)
4) Ad Hoc Committee on Core Curriculum (1 yr.-chair)
5) Ad Hoc Committee on Biology-Environmental Studies Cooperative Program (1 yr.-chair)
6) Graduate Program Committee (3 yrs.-2 yrs. chair)
- Biology Department Service*
1) Graduate Program Committee (2 yrs.)
- University Service*
1) Faculty Senate (2 yrs.)
2) Presidential Search Committee (One of three faculty members selected-1 yr.)
3) Animal Welfare Review Committee (1 yr.)
4) Graduate Council (1 yr.)
5) Steering Committee for creation of a Program in Third World Studies(1 yr.)
- 1989-1996 **Clemson University**
Graduate Instruction
1) Member of six MS and two Ph.D. committees
2) Advisor or co-advisor of three MS and three Ph.D. students
- Department of Aquaculture, Fisheries and Wildlife*
1) Ad Hoc Committee for the development of a proposal for the Ph.D. program in Aquaculture, Fisheries and Wildlife (1 yr.)
2) Ad Hoc Committee for the development of a plan for the use of a privately endowed fund (3 yrs.)
- Department of Environmental Toxicology*
1) Peer Review Committee for Tenure and Promotion (3 yrs.-2 yrs., chair)
2) Outstanding Graduate Student Selection Committee (1 yr.)
3) Department Policy Committee (2 yrs., 1 yr. chair)
- University Service*
1) Member of the President's Task Force on International Programs (1 yr.)
2) Member of the Committee for the creation of the Environmental Policy Center (1 yr.)
- 1996-2002 **Texas A&M University**
Graduate Instruction
1) Member of the graduate faculty
2) Member of seven Ph.D. committees and one MS committee
3) Advisor or co-advisor of two MS students finishing degrees at Clemson, seven MS candidates at Texas A&M, and seven Ph.D. candidates at Texas A&M

Department of Wildlife and Fisheries Sciences

- 1) Peer Review Committee for Tenure and Promotion (6 yrs.)
- 2) Graduate Selection Committee (2 yrs.)
- 3) Graduate Affairs Committee (5 yrs.)
- 4) Seminar Committee (Chair, 5 yrs.)
- 5) Faculty Advisory Board (3 yrs.)
- 6) Chair, Wildlife Ecology Lecturer Search Committee
- 7) Chair, Terrestrial Ecologist Assistant Professor Search Committee

University Service - College of Agriculture and Life Sciences and Texas A&M University

- 1) Member of the Faculty Advisory Committee for the Mapping Sciences Laboratory (2 yrs.)
- 2) Member of the University Distinguished Lecturers Committee (3 yr. appointment)

2007-present

Texas A&M University

Graduate Instruction

- 1) Member of the graduate faculty
- 2) Member of 12 Ph.D. and five MS committees
- 3) Advisor or co-advisor of five MS and seven Ph.D. candidates at Texas A&M

Department of Wildlife and Fisheries Sciences

- 1) Peer Review Committee for Tenure and Promotion (2011-present; Chair 2011-2012)
- 2) Faculty Advisor for the TAMU Chapter of The Wildlife Society (2011-2014)
- 3) Faculty Advisor for the TAMU Chapter of the Society for Conservation Biology (2011-present)
- 4) Chair, Awards Committee (2012 – present)
- 5) Member Study Abroad and High Impact Learning Scholarship Committee (2013 – 2016)
- 5) Advisory Committee, Large Mammal Ecologist (2013 – 2014)
- 6) Search Committee, WFSC Cluster Hire Proposal (2014)
- 7) Search Committee, Vertebrate Animal Behavior (2015 – 2016)

University Service - College of Agriculture and Life Sciences and Texas A&M University

- 1) Member of the Department Heads Council (2007 – 2011)
- 2) Texas Agricultural Experiment Station Repositioning Committee (2007)
- 3) Member of the Advisory Committee for the Vice-Chancellor of Agrilife Research (2007 – 2008)
- 4) Casa Verde Costa Rica Field Station Facility Advisory Committee (Chair-1 year, 2008)
- 5) Member of the Search Committee for the Vice-Chancellor of Texas A&M AgriLife and Dean of the College of Agriculture and Life Sciences (2008)
- 6) Member of the Search Committee, Executive Director of the Office for Latin American Programs (2009)
- 7) Casa Verde Costa Rica Field Station Academic Committee (Chair, 2009)
- 8) Member of the Executive Committee for the NSF-IGERT Training grant (2007 – 2015)
- 9) Member of the Traineeship Selection Committee for the NSF-IGERT Program (2010, Chair 2011-12)
- 10) Member of the Development Committee for the NSF-IGERT Program (2010 – 2015)
- 11) Member Feed the Future Steering Committee/Feed the Future Summit Planning Committee (2011)
- 12) Member of the Search Committee for the Environmental Health Faculty Position in the College of Veterinary Medicine (2011)
- 13) Member of the Search Committee for the Chief Water Scientist, Texas Water Resources Institute (2012)
- 14) Member of the Internal Advisory Committee for The Norman Borlaug Institute for International Agriculture (2012 - present)
- 15) Member of the College of Agriculture and Life Sciences Visioning Steering Committee (2012)
- 16) Member of the Texas A&M Grand Challenges Theme on the Sustainable Environment (2013)
- 17) Coordinator of Grand Challenges Proposal on Climate Change, Natural Resources, and Biodiversity Monitoring and Adaptation (2015 - 2016)

GRADUATE AND UNDERGRADUATE STUDENT AND POSTDOC ADVISEMENT

Universidade de Brasília

Committee member on one MS Thesis (Biologia Animal: Enio Marcos Domingos da Silva)

Western Washington University

Committee member on 18 M.S. Theses (Huxley College: David Blake*, Janine Bussiere, Linda Carlock, Kent Daughy*, Doug Dobyns*, William Ehinger, Jeanne Funsch, Janine Galindo, Mason Hewitt, Brad Marden, Mike Whitten. Biology: Chris Hamer*, Bunny Schneider, Tim Quinn. Applied Biology: Mike Bonoff, Barry Gall. Geology: Andy Maloy. Anthropology: Pat Wickline*.) *defended after I left WWU.

Siobhan Sullivan, B.S., Evergreen State College - "The effects of habitat fragmentation and plant community structure on shrub-steppe passerines in Washington State." **Major advisor**: M.S. thesis defense, April, 1987. Current employment - Team Lead, Volunteer Newsletter at High Desert Museum, Bend Oregon; Board Member at Mountain Loop Conservancy, Artist/Owner at NatureWise Art.

Elizabeth Block, B.S., University of California, Santa Cruz - "The effects of the Pesticide COUNTER on wild and laboratory deer mice (*Peromyscus maniculatus*): an integrated field and laboratory study." **Co-advisor** with Dr. R.J. Kendall: M.S. thesis defense, December, 1988. Current employment – environmental consulting.

Undergraduate Research Thesis Mentoring

Paul Giuntoli (1983), Peter Blessing (1984), Michael Town (1984), Leslie Hay Smith (1986), Regan Weeks (1986), James Tinsley (1989)

Undergraduate Independent Study Mentoring

Cynthia Pickreign (Population genetics software development)
Ross Brown (Population biology software development)

NSF-REU Undergraduate project supervised.

Theresa L. Donovan (Microhabitat selection in Pacific Northwest small mammals)

Clemson University

Committee member on 6 M.S. Theses (Aquaculture, Fisheries and Wildlife: Dan Allen, Jeremy Buck. Environmental Toxicology: Jarrett Rice, Robert Trout. Parks, Recreation and Tourism Management: Colmore Christian. Forest Resources: Neel Mehta.) and 2 Ph.D. Dissertations (Environmental Toxicology: Tillman Sauls. Biological Sciences: Steve Platt.)

Basil Savitsky, B.A., M.S., University of South Carolina - "Gap analysis as a geographic information system tool for conservation decision making in Costa Rica." **Co-advisor** with Dr. Robert Becker, Department of Parks, Recreation, and Tourism Management. Ph.D dissertation defense, April, 1995. Current employment – Independent E-Learning Professional, Ashville, NC.

Colmore Christian, B.S., University of Michigan; M.S., Clemson University - "Outdoor recreation and tourism related environmental impacts in a tropical island setting: Commonwealth of Dominica." **Co-advisor** with Dr. Thomas Potts, Department of Parks, Recreation, and Tourism Management. Ph.D. dissertation defense, December, 1995. Current employment – Associate Professor, Center for Forestry, Ecology and Wildlife, School of Agricultural and Environmental Sciences, and Associate Provost and Dean of Graduate Studies, Alabama A&M University.

Jeannine Denise Maldonado, B.S., SUNY-College of Environmental Science and Forestry - "Endomycorrhizal inoculum potential in natural and managed montane soils in Costa Rica." **Co-advisor** with Dr. Frank Tainter, Department of Forest Resources. M.S. thesis defense, April, 1996. Current employment - English-Spanish Technical Translator/Editor, Phoenix, AZ.

Michael I. Goldstein, B.S., Colorado State University - "Toxicological assessment of a Neotropical migrant on its non-breeding grounds: case study of the Swainson's hawk, *Buteo swainsoni*, in Argentina." **Major advisor**, Department of Environmental Toxicology. M.S. Thesis defense, July, 1997. Completed a Ph.D. in the Department of Wildlife and Fisheries Sciences, Texas A&M University, Currently Regional Wildlife Ecologist, USDA Forest Service, Juneau, AK.

Kathryn Lawrence (Dodson), B.S., Southern Methodist University; M.S., American Graduate School of International Management (Thunderbird) – “The place of tourism in a changing society: five communities in Belize.” **Co-advisor** with Dr. Wes Burnett, Department of Parks, Recreation and Tourism Management. Ph.D. dissertation defense 1998 (Was all but dissertation under my advisement, defended after I left Clemson). Current employment –Economic Development Manager, City of Carlsbad, CA.

Postdoctoral and Research Assistant Supervision

Dr. Ross Wagenseil, B.A., Harvard University, M.S. and Ph.D., Clemson University - Postdoctoral Research Assistant, Forest Management Demonstration Project, Springfield Environmental Laboratory, Dominica (1992-1995). Current employment - private consultant in environmental engineering and GIS.

Undergraduate Independent Study Mentoring

Jennifer Morgan: 1995 “Edge behavior versus cartographic effort: analyzing the effect of irregular habitat usage on gap analysis.”

Lisa Zweede: 1995 “Avian survey of the AMISCONDE project site, Costa Rica.”

Texas A&M University

Committee member on 20 Ph.D. Dissertations (Wildlife and Fisheries Sciences: Caroline Arantes, Albrey Arrington*, Elisif Brandon*, Dan Brooks*, Rosa Cuellar, Gage Dayton*, Dan Kim*, Steven Murden*, Diane Rowe*, Chris Schalk.* Anthropology: Shannon Hodges. Ecosystem Science and Management: Kathryn Clifton-Ramirez*, Zach Hurst, Wesley Vermillion. Geography: Audrey Joslin*, Anna Santos.* Recreation, Parks and Tourism: Katherine Dennis, Carter Hunt*, Dhananjaya Katju, Nick Jacobson.) and 6 M.S. Theses (Wildlife and Fisheries Sciences: Thomas Saldias*, Alexandra Sutton*, Kate Willis*. Entomology: Charity Owings*. Oceanography: Carolyn Campbell*. Recreation, Parks and Tourism: Michelle Muller*.) *=defended.

Degree completed

Elizabeth D. Brusati, B.S., University of California-Davis - “Comparing functions of natural and created marshes for shorebirds and wading birds.” **Major advisor**, Department of Wildlife and Fisheries Sciences. M.S. thesis defense, August, 1999. Subsequently completed a Ph.D. degree at the University of California, Davis. Currently Science Program Manager, California Invasive Plant Council, Berkeley, CA.

Katherine W. McFadden*, B.S., University of California, Santa Cruz - “Photogrammetry as a tool for estimating size and condition in the Hawaiian monk seal (*Monachus schauinslandi*), the harbor seal (*Phoca vitulina*), and the Northern elephant seal (*Mirounga angustirostris*).” **Co-advisor** with Dr. Graham Worthy, Department of Wildlife and Fisheries Sciences. M.S. thesis defense, August 1999. Subsequently completed a Ph.D. degree at Columbia University. Currently Assistant Unit Leader, USGS SC Cooperative Fish and Wildlife Research Unit and Assistant Professor, School of Agricultural, Forest and Environmental Science, Clemson University. *Deceased, 2014.

Jody K. Sandel, B.S., Texas A&M University - “Insecticides and bridge-roosting colonies of Mexican free-tailed bats (*Tadarida brasiliensis*) in Texas.” **Co-advisor** with Dr. Don Clark, Brazos Field Station, USGS, Department of Wildlife and Fisheries Sciences. M.S. thesis defense, October, 1999. Current employment - unknown.

Dianne Haynes Stroman, B.S., Texas A&M University - Non-thesis professional paper: “Integrating single-species management and ecosystem management.” **Major advisor**, Department of Wildlife and Fisheries Sciences. M.Agr. (non-thesis masters), defense, March, 2000. Currently postdoctoral fellow, Department of Ecosystem Science and Management, Texas A&M University.

Ivan Castro-Arellano, B.S., Universidad Nacional Autonoma de Mexico – **Major advisor**, Department of Wildlife and Fisheries Sciences. Non-thesis M.S., May, 2000. Subsequently completed a Ph.D., Department of Wildlife and Fisheries Sciences, Texas A&M University. Current employment: Assistant Professor, Department of Biology, Texas State University.

Michael I. Goldstein, B.S., Colorado State University, M.S., Clemson University - "Spatial complexity and scaling issues affecting biodiversity in managed forests." 2000 Outstanding PhD student in the department. **Major advisor**, Department of Wildlife and Fisheries Sciences. Ph.D. dissertation defense, October, 2000. Currently Regional Land Management Planner, USDA Forest Service, Juneau, AK.

Tarisha A. Smith Land, B.S., Grand Canyon University - "Population size and contaminant exposure of bats using caves on Fort Hood Military Base." **Co-advisor** with Dr. Don Clark, Brazos Field Station, USGS, Department of Wildlife and Fisheries Sciences. M.S. thesis defense, March, 2001. Currently teaching high school in Seguin, Texas.

Melissa L. Parker, B.S., M.S., Clemson University – “An assessment of the potential for pesticide exposure and effects on the Rio Grande Leopard Frog (*Rana berlandieri*).” Ph.D. dissertation defense, March, 2002. **Co-advisor** with Dr. Don Clark, Brazos Field Station, USGS, Department of Wildlife and Fisheries Sciences. Currently NEPA Program Manager, Alaska Department of Transportation and Public Facilities, Juneau, AK.

Elizabeth T. Kennedy, B.S., Southern Illinois University, M.S. Clemson University - “A socio-economic analysis of the development and conservation strategies within the Amistad Conservation and Development Initiative for the La Amistad Biosphere Reserve.” Ph.D. dissertation defense, March, 2002. **Co-advisor** with Dr. Diana M. Burton, Department of Forest Science. Currently Director, Evaluation and Research, Rainforest Alliance, New York, NY.

Diana L. Doan-Crider, B.S., University of Montana, M.S., Texas A&M University-Kingsville – “Black bear movements and spatiotemporal variation in relation to mast and fruit productivity and distribution in the Serranias del Burro, Coahuila, Mexico.” Ph.D. dissertation defense, December 2002. **Co-advisor**, Department of Wildlife and Fisheries Sciences (Joint Ph.D. Program with Texas A&M-Kingsville) with Dr. David Hewitt, Texas A&M-Kingsville. Current employment, Executive Director, Anima Partnership in Natural Resources, LLC, Mexican Black Bear Coordinator, IUCN Bear Specialist Group and Lecturer, Adjunct Professor, Department of Ecosystem Science and Management, Texas A&M University.

Katia Z. Amstalden, D.V.M., Universidade Federal de Mato Grosso do Sul – Non-thesis professional paper: “Canine distemper virus in wildlife.” **Major advisor**, Department of Wildlife and Fisheries Sciences. M.S. (non-thesis masters), defense, November, 2003. Current employment, Research Associate, Department of Veterinary Pathobiology, Texas A&M University.

Ivan Castro-Arellano, B.S., Universidad Nacional Autonoma de Mexico, M.S., Texas A&M University - "Ecological patterns of the rodent communities at El Cielo Biosphere Reserve, Tamaulipas, Mexico." Ph.D. dissertation defense, May, 2005. **Major advisor**, Department of Wildlife and Fisheries Sciences. Current employment: Assistant Professor, Department of Biology, Texas State University, San Marcos, Texas.

Deborah Cowman, B.S., Coe College, M.S., Texas A&M University - "Pesticides and frog declines in the Sierra Nevada mountains, California." Ph.D. dissertation defense, September, 2005. **Major Advisor**, Department of Wildlife and Fisheries Sciences. Current employment: Executive Director, Brazos Valley Museum of Natural History, Bryan, TX.

John M. Aguiar, B.S., University of Richmond, M.S., Old Dominion University – “Cranial variability in Amazonian marmosets.” Ph.D. dissertation defense, May, 2009. **Major advisor**, Department of Wildlife and Fisheries Sciences. Current employment: Freelance Writer, Virginia.

Krista Adamek, B.S., University of British Columbia; Diploma of Technology in Fish, Wildlife and Recreation, British Columbia Institute of Technology – "Spatial and temporal patterns in space use and resource use of macaws in the southeastern Peruvian Amazon." M.S. thesis defense, October, 2010. **Major advisor**, Department of Wildlife and Fisheries Sciences. Current employment: Field Biologist & Data Management Assistant, Regional Conservation District, Santa Monica Mountains, California.

Laura Weber, B.A., American University, M.A., University of Arizona - Ph.D. “Co-creating knowledge, understanding, and action for effective natural resource conservation.” Ph.D. dissertation defense, June, 2011. **Co-advisor** with Dr. Douglas Slack, Department of Wildlife and Fisheries Sciences. Current employment: Consultant and Editor/Proofreader, Quito, Ecuador.

Crystal R. Arkenberg, B.S., Wittenberg University - Non-thesis professional paper: “Linking animal behavior, wildlife management and sociology: conservation of canids in the Brazilian Cerrado.” M.W.S. defense, November, 2013. **Major advisor**, Department of Wildlife and Fisheries Sciences. Current employment, Conservation Medicine Program, College of Veterinary Medicine and Biomedical Science, Texas A&M University.

Kelsey Neam, B.S., University of Maryland – “The Spatial Ecology of a Dispersal Limited Vertebrate on a Mosaic Landscape.” 2015 Outstanding MS student in the department. M.S. defense, May, 2015. **Major advisor**, Department of Wildlife and Fisheries Sciences. Current employment: Programme Officer, IUCN Amphibian Red List Authority.

Emma P. Gomez-Ruiz, B.S., Universidad Autónoma de Nuevo León, M.S., Instituto Politécnico Nacional, Unidad Durango – “Potential impacts of global and regional environmental changes on an endangered pollination corridor in Mexico and the USA.” CONACYT Fellowship, American Society of Mammalogists Field Research Grant, Scott Neotropical Fund Recipient, GBIF Young Researcher Award Ph.D. level for 2013, 2014 Outstanding PhD student in the department. Ph.D. defense, August, 2015. **Major advisor**, Department of Wildlife and Fisheries Sciences. Current employment, Lecturer, Department of Wildlife and Fisheries Sciences, Texas A&M University. Current employment, Lecturer, Department of Wildlife and Fisheries Sciences, Texas A&M University.

Margot Wood, B.S., University of California, Davis – “Conservation Policies, Mammalian Corridors & Landscape Dynamics within a Costa Rican Biological Corridor.” Texas A&M University Diversity Fellowship, Louis Stokes Alliance for Minority Participation Fellowship, NSF IGERT Traineeship, American Society of Mammalogists Student Science Policy Award Recipient, 2016 Outstanding PhD Student, Department of Wildlife and Fisheries Sciences. 2015 Ph.D. defense, March, 2016. **Major advisor**, Department of Wildlife and Fisheries Sciences, Texas A&M University. Current Employment, Assistant Professor, Environmental Studies, Fort Lewis College, Durango, CO.

Degree in progress

Gabriela Vigo Trauco, B.S. and M.S., Universidad Nacional Agraria La Molina, Lima, Peru - Ph.D. Candidate, Department of Wildlife and Fisheries Sciences, project: Scarlet macaw reproductive ecology: determining ecological factors affecting reproduction. NSF Graduate Research Fellowship. **Co-advisor** with Dr. Christopher Seabury, Department of Veterinary Pathobiology.

Jessica Gilbert, B.S., University of Rhode Island. Ph.D. Candidate, Department of Wildlife and Fisheries Sciences, project: to be determined. NSF IGERT Traineeship, Doctoral Merit Award Fellowship, Margaret Rudder Community Service Award. **Major Advisor**.

Nicolette Roach, B.S. University of California-Davis, M.S., Clemson University. Ph.D. Candidate, Department of Wildlife and Fisheries Sciences, project: New Student, to be determined. Doctoral Merit Award Fellowship, Graduate Research Assistantship recipient. **Major Advisor**.

Jordan Rogan, B.A., Wheaton College – Ph.D. Candidate, Department of Wildlife and Fisheries Sciences, project: New Student (Fall 2015), to be determined. Awarded Teaching Assistantship in Mammalogy. **Major advisor**.

David Gerrity, B.S., Texas A&M University. M.W.S. Non-thesis Master’s student. Professional paper to be determined. **Major advisor**.

Allison Collins, B.S., Texas A&M University. Non-thesis Distance Education Master’s student. Professional paper to be determined. **Major Advisor**.

Simon Kiacz, BA, University of Michigan, Flint. M.S. Student, Department of Wildlife and Fisheries Sciences, project: The Red-crowned parrot (*Amazona viridigenalis*) in southern Texas: determining status, assessing risks, and building collaborations. **Co-advisor** with Dr. Donald Brightsmith, Department of Veterinary Pathobiology.

Jaileen Rivera Rodrigues, B.S. Wildlife Management, University of Puerto Rico – Humacao Campus. M.S. Student, Department of Wildlife and Fisheries Sciences, project: incoming student, to be determined. **Major Advisor**.

Jessica N. Alvarez Guevara, B.S. Life Sciences, Arizona State University. M.S. Student, Department of Wildlife and Fisheries Sciences, project: incoming student, to be determined. **Major Advisor**.

Visiting Doctoral Scholars

Lays Cherobim Parolin, B.S. Pontificia Universidade Católica do Paraná, M.S. Universidade Estadual Paulista Júlio de Mesquita Filho, Ph.D. Candidate, Universidade Estadual Paulista Júlio de Mesquita Filho. 2014. **Advisor** on a CAPES Sandwich Fellowship at Texas A&M.

Postdoctoral and Research Assistant Supervision

Dr. John Lamoreux, B.A., Earlham College, M.F.S., Yale University and Ph.D., University of Virginia - Assistant Research Scientist, Global Mammal Assessment, 2007-2008. Currently Monitoring and Biodiversity Officer, National Fish and Wildlife Foundation, Washington, DC.

Undergraduate Research and Intern Mentoring

NSF-REU Undergraduate projects supervised.

2000 – Tanesha Dillard and Keli Carendar.

2001 – Angela Skeeles and Harold Nelson.

2002 – Amity King.

ARKive and University Scheme (<http://www.arkive.org/about/universities.html>)

I advise students on writing species profiles for the ARKive Website, part of the United Kingdom based NGO Wildscreen. Numbers in parentheses are accounts being written by each student: 15 students, 22 accounts. [Ashley Ardoin, Jesseca Buchhorn, Laura Duffie, Samantha Dunn, Mary Fields, Timothy Forman (2), Patricia Jimenez, Lauren Lescure, Danielle Macedo (3), Dee McBride (2), Sammy Reinhart, Holly Taylor (2), Kate Telehany (3), Carlos de la Torre, Sara Venable].

Independent Undergraduate Research Projects

2013 Rachel Sakar: Foraging ecology of *Leptonycteris nivalis* in NE Mexico.

2013 Rebecca Langley: Small mammal movements in biological corridors in Costa Rica.

2013 McKensie Daugherty: Reproductive biology and vocalizations in Madagascar Big-headed Turtles.

2013 Haleigh Wheeler: Use of hair traps and hair cuticles for identification of Costa Rican Meso-mammals.

2013 Juliet Vallejo: Bat house design considerations for the relocation of the Kyle Field bats.

2014 Lara Kreuter: Survey of *Amazona imperialis* on the island of Dominica.

2014 Liliana Wolf (UG Research Fellow 2015): Small mammal ecology in Costa Rica.

2014 Rebecca Langley: Small mammal movements in biological corridors in Costa Rica: Year 2.

2014 Lauren Naylor (Honors): Writing accounts of mammalian families for IUCN web site.

2014 Stacie Garcia: Writing accounts of mammalian families for IUCN web site.

2014 Rebeca Mendez: Writing accounts of mammalian families for IUCN web site.

2015 Lauren Naylor (Honors): Assisting with Handbook of Mammals of the World.

2015 Anna Cole: Writing accounts of mammalian families for IUCN web site.

2015 Gaston Casillas: Frog vocalizations as a function of an elevational gradient.

2015 Whitney Ward: Frog vocalizations as a function of an elevational gradient.

2015 Alyson Miranda: Applied Biodiversity Science Conservation Scholar.

2015 Rebecca Langley: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2015 Lauren Naylor: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2015 Holly Jo Pierro: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2015 Amanda Stoner: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Alondrita Barron: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Kristen Cottrell: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Wendy Diaz: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Kai DeVoglaer: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Karyn Ho: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Sahita Karumuri: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Houston Kimes: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Kenny Le: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Lauren Naylor: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Lois Voelkel: Assisting with the Small Mammal Specialist Group Extinction risk assessments

2016 Rebecca Langley: (UG Research Fellow 2016): Deforestation impacts on SE Asia Tree Shrew

2016 Marie Perez: Applied Biodiversity Science Conservation Scholar

External Examiner - Foreign Graduate Research Programs

Alberto Costa de Paula, "Relações espaciais de pequenos mamíferos em uma comunidade de mata de galeria do Parque Nacional de Brasília." Member MS thesis review panel, 1983. Universidade de Brasília, Brazil.

Ricardo Bonfim Machado, "Padrões de fragmentação da Mata Atlântica em três municípios da bacia do Rio Doce (MinasGerais) e suas conseqüências para a avifauna." Member MS thesis review panel, 1995. Universidade Federal de Minas Gerais, Brazil.

Selvino Neckel de Oliveira, "Efeitos da alteração do habitat na dinâmica reprodutiva de *Phyllomedusa tarsius* (Amphibia-Anura) na Amazônia Central." Member Ph.D. dissertation review panel, 2002. Instituto Nacional de Pesquisas da Amazônia -

INPA, Brazil.

Ivo Rohling Ghizoni Junior, "Dinâmica populacional de *Bolomys lasiurus* (Ronentia: Muridae) em uma savanna na Amazônia Central." Member MS thesis review panel, 2003. Instituto Nacional de Pesquisa da Amazônia - INPA, Brazil.

Constança de Sampaio e Paiva Camilo-Alves, "Adaptações dos tamanduás-bandeira (*Myrmecophaga tridactyla* Linnaeus, 1758) à variação da temperatura ambiente no Pantanal da Nhecolândia, MS." Member MS thesis review panel, 2003. Universidade Federal de Mato Grosso do Sul, Brazil.

Thomas Daniel Lambert, "Small mammals of the south-eastern Amazon and the ecological consequences of selective logging." Member Ph.D. dissertation committee, 2004, Graduate Faculty of Forestry, University of Toronto.

Manoel dos Santos Filho, "Efeitos da fragmentação sobre a comunidade de pequenos mamíferos em floresta estacional semidecidual submontana no Mato Gross, Brasil." Member Ph.D. dissertation review panel, 2005, Instituto Nacional de Pesquisa da Amazônia - INPA, Brazil.

Carolina Ribas, "Grau de parentesco e relações sociais em ariranhas." Member Ph.D. dissertation review panel, 2012, Instituto Nacional de Pesquisa da Amazônia - INPA, Brazil.

AWARDS, CONSULTATIONS, GRANTS AND CONTRACTS

Honors, Recognitions, and Awards

1980 Full member of Sigma Xi.

1983 Faculty research award for best paper at the 44th Annual Meeting of the Association of Southeastern Naturalists, University of Southwestern Louisiana, Lafayette. Paper was co-authored with M.R. Willig and M.A. Mares.

1984 Received a merit-step promotion due to productivity in research from Western Washington University.

1989 Received a merit-step promotion due to productivity in research from Western Washington University (first availability of merit since 1984).

1992 Listed in *Who's Who in Science and Engineering, 1st Ed.*

1994 Certificate of Appreciation from the J. William Fulbright Foreign Scholarship Board and the United States Information Agency for three years of service to the Fulbright Program

1995 Invited as **keynote speaker** at the VI Congresso Nordestino de Ecologia, João Pessoa, Brazil.

1996 Appointed to endowed position, Caesar Kleberg Chair of Wildlife Ecology, at Texas A&M University.

2001 Invited as **keynote speaker** at the Biodiversity Monitoring Symposium, Conservation International Annual Meeting, Washington, DC.

2003 Promoted to Senior Vice President, Conservation International.

2005 Invited as **keynote speaker** at the III Congresso Brasileiro de Mastozoologia, Vitória, Brazil.

Consultant Work

1983 Technical Consultant on NSF Grant "Ecology of small mammals in the Brazilian Cerrado" awarded to M.A. Mares, University of Oklahoma. Received transportation costs to and from Brazil.

1984/89 Statistical Consultant on many grants and contracts awarded to the Institute of Wildlife Toxicology (R. J. Kendall, Director), Huxley College of Environmental Studies, Western Washington University. Includes grants from the Environmental Protection Agency, Ciba-Geigy Agricultural Chemical Division, the U. S. Navy, and the American Cyanamid Company.

1986 Consultant on the project "Planning and establishment of a graduate course in Wildlife Conservation at the Federal University of Minas Gerais (UFMG), Brazil," World Wildlife Fund-U.S. Project No. 489.

1987/89 Consultant on Environmental Protection Agency-Office of Pesticide Programs Grant to "Review and evaluate data to assess the ecological risks associated with pesticide use" awarded to KBN Engineering and the Institute of Wildlife Toxicology, Western Washington University.

1988 Consultant to evaluate current and future ecological research on wildlife in the Pantanal wetland ecosystem of Brazil, Centro de Pesquisa Agropecuária do Pantanal, Empresa Brasileira de Pesquisa Agropecuária (EMBRAPA) and Interamerican Institute for Cooperation in Agriculture.

1993 Consultant to advise on the plan for the creation of the APA-Sul (Area of Environmental Protection) in the "Quadrilátero Ferrífero" region of the state of Minas Gerais, Brazil, Fundação Biodiversitas.

Consultant to The Nature Conservancy for the International Workshop on the Conservation Status of Neotropical Mammals, held in Panama City, Panama.

1994 Consultant to Time Life, Inc. on the book *The Land and Wildlife of South America* in the series, Life Nature Library.

Attending consultant for agreement holder (Clemson University - TIWET) at the first FAO/IAEA/SIDA coordination meeting on Agroecological Effects Resulting from the Use of Persistent Pesticides in Central America, San José, Costa Rica.

1995 Consultant and meeting coordinator for agreement holder (Clemson University - TIWET) at the second FAO/IAEA/SIDA coordination meeting on Agroecological Effects Resulting from the Use of Persistent Pesticides in Central America, Pendleton, SC.

1996 Attending consultant for agreement holder (Clemson University - TIWET) at the third FAO/IAEA/SIDA coordination meeting on Agroecological Effects Resulting from the Use of Persistent Pesticides in Central America, Guatemala City, Guatemala.

1997 Adjunct member of the Life Sciences Planning Team and consultant (provide scientific information and write story lines for the Design Development documents) for the Life Sciences exhibits for the Natural Wonders Gallery for the Oklahoma Museum of Natural History, University of Oklahoma, Norman, OK.

2001 External consultant for research priorities and experimental design for the Mendocino Redwood Company, Ft. Bragg, CA.

Grants and Contracts as PI or CoPI

1980 Received a travel grant from the National Research Council (CNPq) of Brazil to visit various Primate Research Centers in the United States - **\$2,725.00.**

1981 Received the G. Murray McKinley Postdoctoral fellowship from the Pymatuning Laboratory of Ecology to study "The determinant factors of individual variation in home range size in *Tamias striatus*." - **\$2,000.00.**

1982 Received a renewal of the G. Murray McKinley Postdoctoral fellowship from the Pymatuning Laboratory of Ecology to continue the 1981 research on *Tamias* home range size. - **\$2,900.00.**

Received a grant from the Padilla Bay National Estuarine Sanctuary to survey the mammal fauna of the upland habitats and provide a management plan - **\$1,000.00.**

Received a Summer Research Grant (for summer 1983) from the Bureau for Faculty Research of Western Washington University to study small mammal ecology in Brazil - **\$2,250.00.**

1984 Received funding from the Organization of American States and Brazilian agencies to assist in a survey of the mammals of the Pantanal region of Brazil, in Summer 1985 - **\$4,644.00.**

1986 Received a Summer Research Grant from the Bureau of Faculty Research of Western Washington University to assist in the development of a graduate program in conservation and ecology at the Federal University of Minas Gerais - **\$3,500.00.**

Environmental Protection Agency grant "Effectiveness of artificial nest boxes in the determination of pesticide impacts on birds: Parathion effects on starling reproduction biology as an example," Secondary Investigator, with R. Kendall (PI), and L. Brewer (Co-PI), Institute of Wildlife Toxicology, Huxley College of Environmental Studies, Western Washington University - **\$99,381.00.**

1987 Environmental Protection Agency grant "Evaluation of environmental contamination in wildlife in the Puget Sound Basin." Co-PI with R. Kendall (PI), Institute of Wildlife Toxicology, Huxley College of Environmental Studies, Western Washington University - **\$42,373.00.**

1989 American Cyanamid Company Agricultural Research Division grant "The development of new methodologies in avian field testing: multivariate approaches to analysis of reproductive data and mathematical modeling of long-term population effects." Project Director, with R. J. Kendall (PI), Institute of Wildlife Toxicology, Huxley College of Environmental Studies, Western Washington University - **\$30,692.50.**

National Institute of Environmental Health Sciences grant "On-site evaluation of bioavailability and ecotoxicity of toxic substances utilizing an enhanced avian population assay." To Institute of Wildlife and Environmental Toxicology, Clemson University, R. J. Kendall (PI), C. M. Bens, L. W. Brewer, G. P. Cobb, III, M. J. Hooper, and T. E. Lacher, Jr. (CoPIs) -**\$700,000.00.**

U. S. Forest Service Cooperative Research Grant No. 29-483 "Tropical forest ecology in the East Caribbean Basin." Principal Investigator - **\$6,000.00.**

1990 U. S. Forest Service Cooperative Research Grant No. 29-569 "Tropical forest ecology in the East Caribbean Basin, Phase II." Principal Investigator - **\$6,000.00.**

1991 Provost Research Award, Clemson University, "Ecology and conservation of the vertebrates of the Savannas of Central Brazil." - **\$2,000.00.**

U. S. Forest Service Cooperative Research Grant "Tropical forest ecology in the Eastern Caribbean Basin, Phase III." Principal Investigator - **\$6,000.00.**

American Cyanamid Company Agricultural Research Division Grant "The Centro de Investigaciones de Ecotoxicología de Banano (ECOBANA) at Escuela de Agricultura de la Region Tropical Humeda (E.A.R.T.H.)." To Institute of Wildlife and Environmental Toxicology, Clemson University, R. J. Kendall (PI), and J. A. Zaglul, T. E. Lacher, Jr., M. Soto, R. Vargas, and S. Vega (Collaborative Investigators) - **\$50,000.00.**

AMISCONDE: La Amistad Binational Conservation Initiative: Diagnostic Phase. Project funded by the McDonald's Corporation, jointly administered by the Archbold Tropical Research Center (T. E. Lacher, Jr., Director) and Conservation International (L. Madrigal, Washington Coordinator and M. Ramirez, Project Manager in Costa Rica and Panama). - **\$174,371.50.**

1992 U.S. Forest Service Region 8 project "Forest management demonstration project: Dominica, West Indies." Principal Investigator - **\$164,000.00**, year 1 of 3 year project.

U. S. Forest Service Cooperative Research Grant "Tropical forest ecology in the Eastern Caribbean Basin, Phase IV." Principal Investigator - **\$6,000.00.**

USAID Program in Science and Technology Cooperation Grant "Gap Analysis mapping of diversity of biological resources." T. E. Lacher, Jr. (Archbold Tropical Research Center) and C. Vaughan (Universidad Nacional, Heredia, Costa Rica), Co-PI's - **\$149,994.00** for 3 year (1992-1995) project.

AMISCONDE: La Amistad Binational Conservation Initiative: Implementation Phase. Jointly administered project by the Archbold Tropical Research Center (T. E. Lacher, Jr., Director) and Conservation International (L. Madrigal, Washington Coordinator and M. Ramirez, Project Manager in Costa Rica and Panama), beginning Fall 1992 - funded by McDonald's Corporation and family of suppliers - **\$405,627.76**, fiscal year (June 1 1992- July 31 1993) 1 of 6 year project.

1993 U.S. Forest Service IITF project "Forest management demonstration project: Dominica, West Indies." Principal Investigator - **\$76,500.00**, year 2 of 3 year project.

World Wildlife Fund Biodiversity Support Program Grant "Outdoor recreation and tourism related environmental impacts in a tropical island setting - case study of the Commonwealth of Dominica." C. Christian (PI) and T. E. Lacher, Jr. (CoPI) - **\$15,000.00**.

Sophie Danforth Conservation Biology Fund, supplemental funding for "Outdoor recreation and tourism related environmental impacts in a tropical island setting - case study of the Commonwealth of Dominica." C. Christian (PI) and T. E. Lacher, Jr. (CoPI) - **\$1,000.00**.

AMISCONDE: La Amistad Binational Conservation Initiative: Implementation Phase. Jointly administered project by the Archbold Tropical Research Center (T. E. Lacher, Jr., Director) and Conservation International (L. Madrigal, Washington Coordinator and M. Ramirez, Project Manager in Costa Rica and Panama) - funded by McDonald's Corporation and family of suppliers - **\$615,651.00**, fiscal year 2 of 6 year project.

1994 U.S. Forest Service IITF project "Forest management demonstration project: Dominica, West Indies." Principal Investigator - **\$15,000.00**, year 3 of 3 year project.

AMISCONDE: La Amistad Binational Conservation Initiative: Implementation Phase. Jointly administered project by the Archbold Tropical Research Center (T. E. Lacher, Jr., Director) and Conservation International (L. Madrigal, Washington Coordinator and M. Ramirez, Project Manager in Costa Rica and Panama) - funded by McDonald's Corporation and family of suppliers - **\$520,500.78**, fiscal year 3 of 6 year project.

1995 AMISCONDE: La Amistad Binational Conservation Initiative: Implementation Phase. Jointly administered project by the Archbold Tropical Research Center (T. E. Lacher, Jr., Director) and Conservation International (J. Nations and L. Madrigal, Washington Coordinators and M. Ramirez, Project Manager in Costa Rica and Panama) - funded by McDonald's Corporation and family of suppliers - **\$474,460.00**, fiscal year 4 of 6 year project.

1996 National Wildlife Federation project "Preliminary assessment of pesticide-related mortality in Swainson's hawks (*Buteo swainsonii*) in Argentina." M. J. Hooper and T. E. Lacher, Jr. (CoPIs) - **\$2,500.00**.

AMISCONDE: La Amistad Binational Conservation Initiative: Implementation Phase. Jointly administered project by the Archbold Tropical Research Center-Clemson University, Texas A&M University (T. E. Lacher, Jr., Caesar Kleberg Chair) and Conservation International (J. Nations, Washington Coordinator and M. Ramirez, Project Manager in Costa Rica and Panama) - funded by McDonald's Corporation and family of suppliers - **\$475,304.00**, fiscal year 5 of 6 year project.

1997 AMISCONDE: La Amistad Binational Conservation Initiative: Implementation Phase. Jointly administered project by Texas A&M University (T. E. Lacher, Jr., Caesar Kleberg Chair) and Conservation International (J. Nations, Washington Coordinator and M. Ramirez, Project Manager in Costa Rica and Panama) - funded by McDonald's Corporation and family of suppliers - **\$151,870.00**, fiscal year 6 of 6 year project.

Interdisciplinary Research Initiatives Program, Office of the Vice President for Research and Associate Provost for Graduate Studies, Texas A&M University. "The Development of a Fractal Topology Approach to Wildlife Conservation Modeling." T.E. Lacher, Jr. and P. Lima-Filho (CoPIs) - **\$19,000.00**

Texas-Mexico Initiative Challenge Grants/W.K. Kellogg Foundation. "Managing Agroecosystems: An Integrated Model for Agriculture and Conservation in the Mexico/U.S. Border Corridor." W. Grant (PI), E.C Andrade Limas, J. Christiansen, R. Conner, E.C. Enkerlin Hoeflich, W. Hamilton, T.E. Lacher, Jr., T. Linton, T. Peterson, and P. Thompson, (CoPIs) -**\$15,000.00**

1998 Texas Agricultural Experiment Station Faculty Research Development Program. "Infrastructure Development: Equipment Funds for Enhanced GIS Capabilities for Faculty and Students." K. Risenhoover (PI) and T.E. Lacher, Jr. (CoPI) - **\$20,000.00**

Texas Agricultural Experiment Station Water Resources Institute Project. "Ecological, Economic, and Policy Impacts of Commodity Price Support Reduction on Texas Rice-Wetlands." Research team: A. Vedlitz, R. Woodward, R.D. Slack, and T.E. Lacher, Jr. - **\$77,469.00**.

Texas Agricultural Experiment Station Faculty Research Development Program. "Maintenance of Biodiversity using a Model with Integrated Multiple Land Use Objectives." T.E. Lacher, Jr. (PI), R.D. Slack, and M. Messina (CoPIs) - **\$40,800.00**

The Nature Conservancy. "Ecology and Management of Bat Communities using Cave Features on Ft. Hood Military Base." T.E. Lacher, Jr. (PI) - **\$60,567.85**.

U.S. Geological Survey. "Exposure and Effects of New Generation Insecticides on Mexican Free-Tailed Bat Populations." T.E. Lacher, Jr. (PI), D. Clark, USGS Project Officer - **\$15,500.00**.

1999 U.S. Geological Survey. "Research on Endocrine Disruption and Pesticide Exposure in the Rio Grande Leopard Frog in Texas." T.E. Lacher, Jr. (PI), D. Clark, USGS Project Officer - **\$50,000.00**.

U.S. Geological Survey. "Exposure and Effects of New Generation Insecticides on Mexican Free-Tailed Bat Populations." Second year renewal. T.E. Lacher, Jr. (PI), D. Clark, USGS Project Officer - **\$15,500.00**.

Renewable Resources Extension Act. "Developing Information Systems to Support Land Use Decisions at the Local Level." N. Wilkins (PI), C. Watt, T.E. Lacher, Jr., and M. Messina (CoPIs) - **\$90,000.00**.

2000 Margot Marsh Biodiversity Foundation/Conservation International, "Conservation of the Dwarf Marmoset, *Callithrix humilis*: Ecology, Behavior and Distribution in an Amazonian Mosaic." T.E. Lacher, Jr. (PI) - **\$3,000.00**.

National Science Foundation – Research Experiences for Undergraduates, "Undergraduate Research in Biodiversity and Ecological Processes in Fluctuating Environments." EEC-9912278. R.L. Honeycutt and J.S. Bonner (PIs), R. Autenreith, T.E. Lacher, Jr., and D.L. Roelke, (CoPIs) - **\$194,385.00**.

National Science Foundation, "Biocomplexity, Incubation Activity: Applications of Mathematical Methods and Scientific Computation to Complex Ecological Problems." DMS 0083894. P. Lima Filho (PI), T.E. Lacher, Jr., M.S. Pilant, P.F. Stiller, and J.R. Walton (CoPIs) - **\$96,918.00**.

Center for Applied Biodiversity Science, Conservation International. "Research support for monitoring and assessment of biodiversity in the Neotropics." T.E. Lacher, Jr. (PI) - **\$106,514.00**.

U.S. Geological Survey. "The Role of Pesticides in the Decline of Amphibians in the Sierra Nevada Mountains." T.E. Lacher, Jr. (PI) - **\$27,000.00**.

Chicago Zoological Society. "Small Mammal Community Patterns in El Cielo Biosphere Reserve." T.E. Lacher, Jr. (PI) - **\$2,117.00**.

2001 U.S. Geological Survey. "The Role of Pesticides in the Decline of Amphibians in the Sierra Nevada Mountains." Second year renewal. T.E. Lacher, Jr. (PI) - **\$38,600.00**.

2002 U.S. Geological Survey. "The Role of Pesticides in the Decline of Amphibians in the Sierra Nevada Mountains." Supplemental funding. T.E. Lacher, Jr. (PI) - **\$7,500.00**.

U.S. Geological Survey. "The Role of Pesticides in the Decline of Amphibians in the Sierra Nevada Mountains." Supplemental funding. T.E. Lacher, Jr. (PI) - **\$4,050.00**.

Gordon and Betty Moore Foundation, awarded to Conservation International. "Centers For Biodiversity Conservation; Tropical Ecology Assessment and Monitoring Initiative to establish Scientific Field Stations; and Global Conservation Fund." I was a collaborating senior research fellow and co-writer on the Tropical Ecology, Assessment and Monitoring (TEAM) Initiative component to establish Scientific Field Stations and was hired by Conservation International as founding director of the program- Total funding over 10 years for full project \$261,000,000.00 and funding for the TEAM component is **\$40,000,000** over 10 years (I developed and co-wrote the TEAM field station concept, was a contributing author of the larger proposal, and PI of the TEAM component).

2003 U.S. Geological Survey. "The Role of Pesticides in the Decline of Amphibians in the Sierra Nevada Mountains." Supplemental funding. T.E. Lacher, Jr. (PI) - **\$10,350.00**.

2005 Gordon and Betty Moore Foundation, awarded to Conservation International, "Advancing Marine Protected Areas Science." T.E. Lacher, Jr., R. McManus and G. Fonseca (Grant Team) - **\$12,540,000.00** over 5 years (I was one of three members on the grant development team, equivalent to CoPIs).

2006 Gordon and Betty Moore Foundation, awarded to Conservation International, Center for Applied Biodiversity Science. Core funding support for operations and research to the Center for Applied Biodiversity Sciences. - **\$23,200,000.00** over 4 years (I wrote the proposal and negotiated the agreement in collaboration with CI senior staff and directed the award).

2007 National Science Foundation. "IGERT: Applied Biodiversity Science – Bridging Ecology, Culture, and Governance for Effective Conservation in the Americas." DGE 0654377. L. Fitzgerald, (PI), U. Kreuter, T.E. Lacher, Jr., A. Stronza, and K. Winemiller (CoPIs) - **\$3,002,038.00**.

2010 Texas A&M- CONACYT Collaborative Research Grant Program. "Prevalence and characterization of Hantaviruses and Arenaviruses in wild and peridomestic settings of northeastern Mexico." T.E. Lacher, Jr. and Ivan Castro-Arellano (CoPIs) - **\$24,000.00**.

2012 Mohamed Bin Zayed Species Conservation Fund. "Identifying Priority Sites for the Conservation of the Migratory Endangered Bat (*Leptonycteris nivalis*) in the United States and Northern Mexico." T.E. Lacher, Jr. (PI) and Emma Gomez Ruiz (CoPI). - **\$10,000.00**.

Texas A&M Tier One Program Grants. "The Applied Biodiversity Science Program: Bridging Ecology, Governance and Culture for Effective Conservation: Integration of Multidisciplinary Research and Creative Activities into the Learning Experience." A. Stronza and L. Fitzgerald (PIs), T.E. Lacher, Jr. and 23 others (CoPIs). - **\$99,900.00**.

Texas A&M Norman Borlaug Institute for International Agriculture Grant. "The Healthy Ecosystems and Livelihoods (HEAL) Initiative." A. Stronza, L. Fitzgerald, and J. Mbaiwa, Team Leaders. T.E. Lacher, Jr., Collaborating Scientist. **\$150,000.00**.

Bat Conservation International. "Identifying Priority Sites for the Conservation of the Migratory Endangered Bat (*Leptonycteris nivalis*) in the United States and Northern Mexico." T.E. Lacher, Jr. (PI), E. Gomez-Ruiz (CoPI). - **\$3,000.00**.

Bat Conservation International. "Identifying Priority Sites for the Conservation of the Migratory Endangered Bat (*Leptonycteris nivalis*) in the United States and Northern Mexico, Funding Supplement." T.E. Lacher, Jr. (PI), E. Gomez-Ruiz (CoPI). - **\$8,000.00**.

2013 National Fish and Wildlife Foundation. "Building Capacity and Decision Support for Risk Assessment and Marine Biodiversity Conservation in the Gulf of Mexico." Awarded to the International Union for the Conservation of Nature (IUCN) – US. Kent Carpenter, Heather Harwell, T.E. Lacher, Jr., Roger McManus, Fabio Moretzsohn, CoPIs. **\$225,000.00**.

Earthwatch. "Payment for Ecosystem Services and Mammals: Do working agricultural landscapes benefit conservation?" T.E. Lacher, Jr. (PI), Margot Wood and Eugenio Gonzalez (CoPIs). **\$44,082.00**.

Mohamed Bin Zayed Species Conservation Fund. "Identifying Priority Sites for the Conservation of the Migratory Endangered Bat (*Leptonycteris nivalis*) in the United States and Northern Mexico: Continuation Grant." T.E. Lacher, Jr. (PI) and Emma Gomez Ruiz (CoPI). **\$5,000.00**.

GBIF Young Researchers Award. "Modeling the Potential Geographic Distribution of a Key Pollination Corridor in Mexico and the United States." Awarded to Emma Gomez Applicant, T.E. Lacher, Jr. Major Adviser. **€4,000.00** (Euros).

Cleveland Metroparks Zoo and Cleveland Zoological Society Conservation Grants. "Monitoring foraging resources for endangered nectarivorous bats in northern Mexico." Emma Gomez (PI), T.E. Lacher, Jr. (CoPI). **\$4,800.00**.

USAID/Uganda Environmental Management for the Oil Sector SOL-617-12-000026. 2013 – 2017. A. Schwab (PI), F. Boadu, T.E. Lacher, Jr., E. Price, A. Stronza and T. Reed-Rhoads (Co-PIs). **\$1,525,413.00**.

College of Agriculture and Life Sciences Distance Education Proposals: Graduate Certificate in Natural Resource Policy. R. Lopez (PI), T.E. Lacher, Jr. and M. Mora (CoPIs). **\$40,000.00**.

Bat Conservation International. "Identifying Priority Sites for the Conservation of the Migratory Endangered Bat (*Leptonycteris nivalis*) in the United States and Northern Mexico, Funding Supplement." T.E. Lacher, Jr. (PI), E. Gomez-Ruiz (CoPI). - **\$13,000.00**.

2014 National Fish and Wildlife Foundation. "Creation of the Applied Biodiversity Sciences Conservation Scholars Program: Integrating Energy Development and Policy with the Conservation of Resources and Communities." T.E. Lacher, Jr. (PI). 2014 – 2015. **\$75,000.00**.

TAMU Tier 1 Proposal: The Applied Biodiversity Science Program: Integrating Multidisciplinary Research and High Impact Learning into Undergraduate and Graduate Education. D. Brightsmith, L. Fitzgerald, A. Stronza, PIs, T.Lacher one of 22 Co-PIs. 2014 - 2017. **\$300,000.00**.

2015 Earthwatch. "Payment for Ecosystem Services and Mammals: Do working agricultural landscapes benefit conservation?" T.E. Lacher, Jr. (PI), Margot Wood and Eugenio Gonzalez (CoPIs). **\$21,412.00**.

National Fish and Wildlife Foundation. "Applied Biodiversity Sciences Conservation Scholars Program: Integrating Energy Development and Policy with the Conservation of Resources and Communities." T.E. Lacher, Jr. (PI). 2015 – 2016. **\$200,000.00**.

2016 National Fish and Wildlife Foundation. "Applied Biodiversity Sciences Conservation Scholars Program: Integrating Energy Development and Policy with the Conservation of Resources and Communities." T.E. Lacher, Jr. (PI). 2016 – 2017. **\$200,000.00**.

Matching Support and Fundraising under Leadership as Lead Administrator

1984 Received an IBM Computer and associated hardware from the Department of Computer Science of Western Washington University to develop software for instruction in Ecology (wrote proposal).

1988 Awarded a paid academic quarter research leave from the Bureau of Faculty Research of Western Washington University to participate in a study on mammalian ecology in the savanna-tropical forest transition zone in central Brazil (wrote proposal).

Invited visiting scientist on the project "Patterns of species interactions and microhabitat selection in a savanna-forest contact zone in Brazil," Brazilian National Research Council and Centrais Eletricas do Norte do Brasil (ELETRONORTE) - International travel and all in-country research and living expenses (invited scientist).

Articulated a cooperative agreement between Huxley College of Environmental Studies, Western Washington University and the Mt. Baker Ranger District of the Mt. Baker-Snoqualmie National Forest to support graduate student research in wildlife ecology on Forest Service lands. Agreement to support two MS students per year (salary and research expenses) for an indefinite period. I placed three students under Forest Service support while at Western Washington University (wrote proposal and negotiated agreement).

1989-1996 Donations of supplies, equipment, and matching support to the Archbold Tropical Research Center from: Smithsonian Institution Museum of Natural History, the USDA Forest Service, the National Park Service, Springs Industries, Inc., Beacon Manufacturing Company, the Monsanto Agricultural Company, Quaker State Corporation, Dr. Frank Woods, Mr. Walter B. Cook, Ms. Elizabeth Fuller, the Estate of John D. Archbold, and supporters of the late John D. Archbold (either made personal contact or developed proposals).

2005 Gordon and Betty Moore Foundation, to Conservation International, Center for Applied Biodiversity Science. Special FY06 allocation of support to the Center for Applied Biodiversity Sciences. - **\$2,162,000.00** (I was lead administrator during the negotiations).

Gordon and Betty Moore Foundation, to Conservation International, Center for Applied Biodiversity Science. Core support funding re-programming to replace allocations previously from the Moore Family Foundation. - **\$4,236,000.00** over 2 years (I was lead administrator during the negotiations).

FarWorks, awarded to Conservation International, Center for Applied Biodiversity Science, Wildlife Trade Program, "Taking the Profit out of the Illegal Asian Wildlife Trade." - **\$1,999,902.00** over 2 years (final amount contingent upon calendar sales - I was lead administrator during the negotiations).

2007 Eric & Susan Kern Estate, for the Department of Wildlife and Fisheries Sciences. Estate gift for coastal wildlife & habitat preservation, **\$1,700,000.00** (Department head during negotiations and met with the donors during gift development).

The Brittingham Conservation Foundation, for the Cliff W. Spencer '98 Scholarship Fund, for students in the Department of Wildlife and Fisheries Sciences, **\$25,000.00** (I was department head during the negotiations; gift was developed by the Texas A&M Foundation).

2009 Carolyn Wierichs Kelso, two gifts to the Department of Wildlife and Fisheries Science, including a gift of \$1 million to the International Sportfish Fund, which supports international research and educational activities of the Winemiller Aquatic Ecology Lab and a second gift of \$855,000 to create the Carolyn Wierichs Kelso Chair for Fish Ecology, totaling **\$1,855,000** (I was department head during the negotiations; gift was developed by Texas A&M University and departmental faculty).

PRESENTATIONS

Contributed Papers and Posters/Abstracts

- 1980 VIIIth International Congress of Primatology, Italy (co-author).
60th Annual Meeting of the American Society of Mammalogists, University of Rhode Island (co-author).
VII Congresso Brasileiro de Zoologia, Mossoró, RN, Brazil (co-author).
- 1981 VIII Congresso Brasileiro de Zoologia, Brasília, DF, Brazil (1st author).
61st Annual Meeting of the American Society of Mammalogists, Miami University (one 1st author and one co-author).
- 1982 62nd Annual Meeting of the American Society of Mammalogists, Brigham Young University (1st author).
- 1983 44th Annual Meeting of the Association of Southeastern Biologists, University of Southwestern Louisiana (co-author).
- 1984 64th Annual Meeting of the American Society of Mammalogists, Humboldt State University (one 1st author and one co-author).
XI Congresso Brasileiro de Zoologia, Belem, PA, Brazil, (1st author).
1st Annual Meeting of the Pacific Northwest Association of Toxicologists, Seattle, WA, (co-author).
- 1985 6th Annual Meeting of the Society of Environmental Toxicology and Chemistry-Wildlife Toxicology Symposium, St. Louis, MO, (2 co- authored papers).
- 1987 67th Annual Meeting of the American Society of Mammalogists, University of New Mexico (first author).
First International Symposium on Latin American Mammalogy, Cancun, Quintana Roo, Mexico (first author).
8th Annual Meeting of the Society of Environmental Toxicology and Chemistry-- Wildlife Toxicology Symposium, Pensacola, Florida (co-author).
- 1988 68th Annual Meeting of the American Society of Mammalogists, Clemson University (one first author, one co-author).
9th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Washington, D.C. (co-author).
- 1989 Annual Meeting of The Wildlife Society, Oregon and Washington Chapters, Hood River, Oregon (co-author).
69th Annual Meeting of the American Society of Mammalogists, University of Alaska, Fairbanks (first author).
6th Annual Meeting of the Pacific Northwest Association of Toxicologists, Vancouver, B.C., Canada (co-author).

- 1990 11th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Arlington, VA (co-author).
- 1991 71st Annual Meeting of the American Society of Mammalogists, Kansas State University (first author).
12th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Seattle, WA (co-author).
- 1992 72nd Annual Meeting of the American Society of Mammalogists, University of Utah, Salt Lake City (first author).
13th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Cincinnati, OH (first author).
- 1993 Annual Meeting of the American Society of Mammalogists, Western Washington University, Bellingham (first author).
- 1994 Annual Meeting of the American Society of Mammalogists, Smithsonian Institution, Washington, DC (first author).
15th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Denver, CO (co-author).
- 1995 75th Annual Meeting of the American Society of Mammalogists, University of Vermont, Burlington, VT (speaker and participant in round table discussion).
2nd World Congress of the Society of Environmental Toxicology and Chemistry, Vancouver, BC, Canada (one first author, one co-author).
- 1996 Annual Meeting of the American Society of Mammalogists, University of North Dakota, Grand Forks, ND (first author).
- 1997 7th International Theriological Congress, Acapulco, Mexico (co-author).
- 1998 Annual meeting of the Texas Chapter of the Wildlife Society, Corpus Christi, TX (co-author).
Annual Meeting of the Raptor Research Foundation, Ogden, UT (co-author).
International Society of Ecological Economics Fifth Biennial Meeting, Beyond Growth: Policies and Institutions for Sustainability, Santiago, Chile. (co-author)
- 1999 Annual meeting of the Texas Chapter of the Wildlife Society, Amarillo, TX (co-author).
Annual Meeting of the American Society of Mammalogists, University of Washington, Seattle, WA (first author).
Annual Meeting of The Wildlife Society, Austin, TX (2 co-author).
World Marine Mammal Conference, Maui, HA (co-author).
Annual Meeting of The American Chemical Society, New Orleans, LA (co-author).
9th National Extension Wildlife, Fisheries, and Aquaculture Conference, Portland, OR (co-author).
- 2000 Annual conference of the Association of American Geographers, Pittsburgh, PA, (co-author).
Annual Meeting of the Society for Conservation Biology, Missoula, MT (co-author).
Annual Meeting of The Wildlife Society, Nashville, TN (2 co-author).
Annual Meeting of the Society of Wetland Scientists, Quebec, Canada (co-author).
- 2001 Annual Meeting of the Western Section, The Wildlife Society, Sacramento, CA (co-author).
Annual Meeting of the Society for Conservation Biology, Hilo, Hawaii (co-author).

- Annual Graduate Student Wildlife Symposium, College Station, TX (co-author).
- Annual Meeting of The Wildlife Society, Reno, NV (2 co-authors).
- 2002 Annual Meeting of the Association for Tropical Biology, Symposium on Tropical Forests: Past, Present, Future, Panama City, Panama (first author).
- Annual Meeting of the Society for Environmental Toxicology and Chemistry, Salt Lake City, UT (co-author).
- XIX Congress of the International Primatological Society, Beijing, China (co-author).
- ASTM Symposium on Multiple Stressor Effects in Relation to Declining Amphibian Populations (co-author).
- 2003 US EPA Regional Meeting, San Francisco, CA (co-author).
- 2004 Annual Meeting of the Association for Tropical Biology, Miami, FL (co-author).
- VII Congreso Nacional de Mastozoología, San Cristóbal de Las Casas, Chiapas (co-author).
- 2005 International Biogeography Society 2005 meeting. "Conservation Biogeography." Shepherdstown, West Virginia (co-author).
- Annual Meeting of the Society for Environmental Toxicology and Chemistry, Baltimore, MD (co-author).
- Annual Meeting of the American Society of Mammalogists, Springfield, Missouri (2 co-authored papers).
- Annual Meeting of the Society for Conservation Biology, Brasilia, Brazil (co-author).
- Annual Meeting of the Association for Tropical Biology, Symposium on Floristics in the Western Hemisphere, Uberlândia, Brazil (co-author).
- Annual Meeting of the American Society of Ichthyologists and Herpetologists, Tampa, FL (co-author).
- 2006 Annual Meeting of the American Society of Mammalogists, Amherst, Massachusetts (co-author).
- 2007 Annual Meeting of the American Society of Mammalogists, Albuquerque, NM (1 first author, 1 co-author).
- 2010 Ecological Integration Symposium, Student Symposium, College Station, TX (co-author on 2 papers).
- Parrots International Symposium, San Diego, CA (co-author).
- 32nd Southern Recreational Conference, Greenville, SC (co-author).
- 2012 Subtropical Biology Conference, University of Texas-Pan American, Edinburg, TX (co-author).
- Forests for People Conference, Alpbach, Austria (co-author).
- Gulf of Mexico: Oil Spill 7 Ecosystem Science Conference, New Orleans (co-author)
- International Symposium on the Importance of Bats as Bioindicators, Barcelona, Spain (co-author).
- 2013 Annual Meeting of the Association for Tropical Biology and Conservation, San Jose, Costa Rica (co-author).
- 16th International Bat Research Conference and 43rd North American Symposium on Bat Research, San Jose, Costa Rica (co-author).
- 2014 Gulf of Mexico Oil Spill & Ecosystem Science Conference, Mobile, Alabama (co-author).
- American Fisheries Society Tidewater Chapter, Newport News, Virginia (co-author).

15th Ecological Integration Symposium, College Station, Texas (2 co-author)

Annual Meeting of the American Society of Mammalogists, Oklahoma City, OK (co-author).

EarthWatch Summit, Boston, MA (co-author).

2015 Monteverde-Arenal Bioregion Initiative Conference, Costa Rica (2 papers as co-author).

Science for Parks and Parks for Science Conference, Berkeley, CA (co-author).

45th National Annual Symposium on Bat Research, Monterey, CA (co-author).

Presentations at Home Institution, Departments/Workshops, and Civic Groups

1981-1989: Western Washington University - Department of Biology (2 times), Sigma Xi- Bureau for Faculty Research Seminar (4 times), Washington Agriculture and Forestry Education Foundation (4 times); Washington Native Plant Society.

1989-1996: Clemson University - Numerous university departments, civic groups, elementary schools, and garden clubs, Department of Biological Sciences Seminar, Governor's School for Science and Math, Hartsville, SC (2 times), Environmental Policy Workshop on Sustainable Development, Department of Environmental Toxicology.

1996-2002: Texas A&M University - Society for Conservation Biology, Department of Rangeland Ecology and Management, Department of Wildlife and Fisheries Sciences Seminar series (3 times), The Hispanic Lecture Series.

2007 – present: Texas A&M University - The Wildlife Society Western Conclave keynote address; student chapter of The Wildlife Society (2 times); Department of Wildlife and Fisheries Sciences Seminar Series (several times), Zoology Club Seminar Series (3 times), Society for Conservation Biology Student Chapter Seminar Series (3 times), Aggies for the Protection of Endangered Species.

Invited Papers

1978 "A quantitative analysis of aggressive behavior in two species of coexisting rodents from northeastern Brazil." Presented at the National Zoological Park, Smithsonian Institution, Washington, D.C.

1981 "The utilization of observations on wild populations of primates in the organization and maintenance of breeding colonies." Presented (*in Portuguese*) at the III Symposium of the Brazilian Society of Primatology in Brasília, Brazil.

"Perspectives for behavioral research in South America." Presented at the Conference on South American Mammalian Biology at the Pymatuning Laboratory of Ecology, University of Pittsburgh, Linesville, PA.

"The comparative social behavior of two species of sympatric Neotropical rodents." Presented at Miami University of Ohio, Texas Tech University and Western Washington University.

1984 "Social spacing in small mammals: the role of individual variation." Co-author on presentation by M.A. Mares at American Society of Zoologists' Symposium "Territoriality: Conceptual Advances in Field and Theoretical Studies," in Denver.

1985 "The structure of Neotropical mammal communities: an appraisal of current knowledge." Presented at the Symposium "Ecology of Neotropical Mammals," at the Fourth International Theriological Congress in Edmonton, Canada.

"Optimal foraging and nutrient constraints." Presented at the University of Oklahoma, Department of Zoology series.

1987 "Ecological relationships, modeling, and environmental pollution." Presented at U.S. Fish and Wildlife Service sponsored "Wildlife Toxicology: A Continuing Education Workshop" organized by Institute of Wildlife Toxicology, Huxley College of Environmental Studies, Western Washington University.

1988 "Research perspectives in wildlife ecology in the Pantanal." Presented (*in Portuguese*) to the Centro de Pesquisa Agropecuária do Pantanal-EMBRAPA, Corumbá, MS, Brazil.

"Methods for the analysis of microhabitat selection: examples with Cerrado mammals." Presented (*in Portuguese*) to the Instituto de Biologia, Universidade de Brasília, Brasília, DF, Brazil.

1990 "Conserving biological diversity through cooperative training programs." Presented at the Second International Symposium of Latin American Mammalogy, Buenos Aires, Argentina.

"Conservation and environmental problems in the Brazilian Pantanal." Presented (*in Portuguese*) at the Second International Symposium of Latin American Mammalogy, Buenos Aires, Argentina.

"Univariate and multivariate approaches to the analysis of ecotoxicological data." Presented (co-author, by M. Willig) at the symposium on "The Population Ecology and Wildlife Toxicology of Agricultural Pesticide Use: a Modeling Initiative for Avian Species." Kiawah Island, SC.

1992 "The Archbold Tropical Research Center and research in tropical ecology and conservation." Presented (*in Portuguese*) to the Centro de Pesquisa Agropecuária do Pantanal-EMBRAPA, Corumbá, MS, Brazil.

"The developing role of Departments of Wildlife, Fisheries, and Range Science in land grant universities." Presented to Department of Wildlife and Range Science, University of Florida.

"Gap analysis mapping of diversity of biological resources." Co-author on presentation by C. Vaughan at the USAID Program for Science and Technology Cooperation Networking Meeting in August, Honolulu, Hawaii.

"The application of a proven GIS technique in a new setting: prospects for gap analysis in Costa Rica. Co-author on presentation by B. Savitsky at Twelfth Annual Meeting of the International Association for Impact Assessment, August, Washington, DC.

1993 "Patterns and processes in mammalian community structure and latitudinal diversity gradients." Presented to the Department of Biology, University of Tulsa, Tulsa, Oklahoma.

"Academia and government: cooperation in the Caribbean Basin." First author on presentation by R. Wagenseil at the Association for Tropical Biology Annual Meetings, June, San Juan, Puerto Rico.

"Mammalian communities in the principal South American ecosystems." Presented (*in Spanish*) at the Taller Internacional de Mamíferos Neotropicales, May, Panama City, Panama.

"The AMISCONDE Initiative: restoration, conservation, and development in the La Amistad Buffer Zone." Presented at the Paseo Pantera Workshop, International Wildlife Management Congress, September, San José, Costa Rica.

"The AMISCONDE Initiative: restoration, conservation, and development in the La Amistad Buffer Zone." Presented (*in Portuguese*) at the international conference, On Common Ground: Interdisciplinary Approaches to Biodiversity Conservation and Land Use Dynamics in the New World, December, Belo Horizonte, Brazil.

1994 "Conservation biology and environmental risk assessment." Presented at the regional symposium, A Watershed Approach to Ecological Risk Assessment, January, Savannah, Georgia.

"Environmental and economic approaches to the conservation of tropical biota." Presented (*in Spanish*) to banana grower's representatives and to audience of government, conservation groups, and the media. March, San José, Costa Rica.

"GIS/remote sensing research activities on the humid tropics at Clemson University." Presented at the Landsat Pathfinder Meeting, May, Washington, DC.

1995 "The AMISCONDE Initiative: conservation, restoration, and sustainable development in tropical montane watersheds." Presented to the Environmental Studies Program, University of Kansas, January, Lawrence, Kansas.

"Basic and Applied Approaches in Population Biology at Different Ecological Scales." Presented to the Department of Zoology, Oklahoma State University, March, Stillwater, Oklahoma.

"New Trends in Ecology." **Keynote address** presented (*in Portuguese*) at the VI Congresso Nordestino de Ecologia, September, João Pessoa, Brazil, sponsored by the United States Information Agency. Also presented (*in Portuguese*) at the Núcleo de Altos Estudos Amazônicos, Universidade Federal do Pará, October, Belém, Brazil, and the Centro de Ciências do Ambiente, Universidade do Amazonas, October, Manaus, Brazil, both sponsored by the United States Information Agency.

1996 "Wildlife Conservation in the Neotropics: Integrating Sustainable Development and Landscapes." Presented to the Department of Wildlife and Fisheries Sciences, Texas A & M University, March, College Station, Texas.

"Multidisciplinary Approaches in Population Ecology and Conservation Biology." Presented to the Department of Biological Sciences and the Institute for Environmental Sciences, Texas Tech University, April, Lubbock, Texas.

"Wildlife Conservation in the Neotropics: Integrating Sustainable Development and Landscapes." Presented to the Caesar Kleberg Wildlife Research Institute, Texas A & M University - Kingsville, December, Kingsville, Texas.

1997 "Integrating Rural Economic Development and Conservation in the Tropics: The AMISCONDE Initiative." Presented to Texas Parks and Wildlife Division, April, Austin, Texas.

"Ecological and Behavioral Diversification in the Hystricognathi: A New World-Old World Comparison." Presented at the symposium on Evolution and Biology of Old World and New World Hystricognath Rodents, Seventh International Theriological Congress, September, Acapulco, Mexico.

1998 "Mammals of Brazilian Semi-arid Ecosystems: Ecology, Biodiversity and Conservation." Presented at the symposium on Diversity and Conservation of Brazilian Mammals, Euro-American Mammal Congress, July, Santiago de Compostela, Spain.

2001 "Leveraging Science for Global Biodiversity Monitoring." **Keynote address** presented at the Biodiversity Monitoring Symposium, Conservation International Annual Meeting, April, Washington, DC.

"Mammalian Range Sizes in South America: Human Disturbance and Risk of Extinction." Presented at the symposium on Effects of Natural and Man-Made Disturbances on Mammal Populations, Eighth International Theriological Congress, August, Sun City, South Africa.

"Field Station-based Monitoring of Tropical Biodiversity at Conservation International." Presented at the special meeting on the Biosphere Reserve Integrated Monitoring Programme of UNESCO, September, Rome, Italy.

"A Global Network of Field Stations for Assessing and Protecting Biodiversity." Presented at the Scientific Advisory Committee on Global Site Monitoring Networks, Data and Databases meeting, October, Boston, Massachusetts.

"A Global Network of Field Stations for Assessing and Protecting Biodiversity." Presented at The Institute for Environmental and Human Health, Texas Tech University, October, Lubbock, Texas.

2002 "The TEAM Initiative: Establishing a Field Station Based Monitoring Network for Tropical Forest Biodiversity." Presented at the LTER-EMAN International Symposium: Role of monitoring, indicators and research in developing and implementing sustainable ecosystem management, April, Chateau Cartier Resort, Quebec.

"Monitoring Biodiversity through Field Stations: Tropical Ecology, Assessment and Monitoring Initiative (TEAM)." Presented at the workshop Empowering Basic and Applied Conservation Research and Action from Large-Scale, Long-Term Plots in the Neotropics, North American Ornithological Conference, September, New Orleans, LA.

"Monitoramento de Biodiversidade Através de Estações Ecológicas: Tropical Ecology, Assessment and Monitoring Initiative (TEAM)." Presented (*in Portuguese*) at the Estação Científica Ferreira Penna of the Museu Goeldi, November, Para State, Brazil.

2003 "Monitoramento de Biodiversidade Através de Estações Ecológicas: Tropical Ecology, Assessment and Monitoring Initiative (TEAM)." Presented (*in Portuguese*) at the Instituto Nacional de Pesquisas da Amazônia, January, Amazonas State, Brazil.

“Monitoring Biodiversity through Field Stations: Tropical Ecology, Assessment and Monitoring Initiative (TEAM).” Presented at the offices of Conservation International-Suriname to representatives of the scientific, NGO, and government communities and also to a group of university students, February, Paramaribo, Suriname.

"TEAM data management protocol." Presented at the Biodiversity Informatics for Conservation workshop at the National Center for Ecological Analysis and Synthesis, April, Santa Barbara, California.

“Monitoring Biodiversity through Field Stations: Tropical Ecology, Assessment and Monitoring Initiative (TEAM).” Presented (*in Spanish*) to the Spanish language OTS class at Los Amigos Research Station, May, Los Amigos Conservation Area, Peru.

"Standardized data in long-term monitoring of tropical forests: the TEAM Initiative." Presented (by P. Batra) at the workshop Networks in Tropical Ecology at the Annual Meeting of the Association for Tropical Biology and Conservation, July, Aberdeen, Scotland.

"Data sharing and the importance of standard metadata." Presented at the workshop Networks in Tropical Ecology at the Annual Meeting of the Association for Tropical Biology and Conservation, July, Aberdeen, Scotland.

"Monitoring biodiversity in the global system: the TEAM model." Plenary presented at the workshop Building Comprehensive Protected Area Systems at the World Parks Congress, September, Durban, South Africa.

"Monitoring biodiversity in the global system: the TEAM model." Presented at the Botanical Research Institute of Texas, September, Ft. Worth, Texas.

"The TEAM Initiative: Perspectives for Suriname." Presented at the Workshop for the Central Suriname Nature Reserve Monitoring Plan, November, Paramaribo, Suriname.

"Long-Term Monitoring of Tropical Forests: Networks, Data Standardization, and Information Sharing." Presented at the University of California at Davis Department of Evolution and Ecology seminar series, December, Davis, California.

2004 "IT Future at CABS: Becoming an Information Portal for Biodiversity." Presented at the Conservation International Information Management Meeting, February, Washington, DC.

"The Center for Applied Biodiversity Science: Overview of Structure and Research Capability." Presented at the Symposium on Conservation Science, Conservation International Annual Planning Meeting, April, Washington, DC.

"Monitoring biodiversity in a global network: the TEAM Initiative model". Presented at the Simpósio Internacional Projetos Ecológicos de Longa Duração, July, Manaus, Brazil.

"How do NGOs do Conservation Biology? Conservation International as a Case Study." Department of Environmental Sciences, Conservation Biology seminar, October, University of Virginia, Charlottesville, VA.

2005 "The Tropical Ecology Assessment and Monitoring (TEAM) Initiative: Understanding the Future of Biodiversity through a Global Scientific Network." Poster presented at Subsidiary Body on Scientific, Technical and Technological Advice - SBSTTA-10 meeting “Working together for biodiversity: regional and international initiatives contributing to achieving and measuring progress towards the 2010 target.” February, Bangkok, Thailand.

"Cranial Morphology of Callitrichid Genera: Variability and Diversification." J.M. Aguiar and T.E. Lacher, Jr. Invited poster presented at "Advances in Marmoset and Goeldi's Monkey (Callimico) Research: Anatomy, Behavioral Ecology, Phylogeny, and Conservation." American Association of Physical Anthropologists Meeting, Apri, Milwaukee, WI.

"How do NGOs do Conservation Biology? Conservation International as a Case Study." Guest lecture at the School for International and Public Affairs, June, Columbia University, New York, New York.

"Padrões e Processos em Ecologia e Conservação: Uma Questão de Escala." *Keynote address* presented (*in Portuguese*) at the III Congresso Brasileiro de Mastozoologia, October, Vitória, Brazil.

2006 "How do NGOs do Conservation Biology? Conservation International as a Case Study." Guest lecture at the School for International and Public Affairs, August, Columbia University, New York, New York.

"Introduction to the IUCN Red List Process." Presented (*in Portuguese*) at the workshop A Avaliação Global de Mamíferos: Integrando Ecologia, Biogeografia, e Conservação" at the I Congresso SulAmericano de Mastozoologia, October Gramado, RS, Brazil.

"Research, Teaching and Extension: The Land Grant Mission in a Global Intellectual Marketplace." September, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX.

"Conservation Science, Planning, and Prioritization in the NGO and Academic Worlds" Department of Environmental Sciences, Conservation Biology seminar, September, University of Virginia, Charlottesville, VA.

"Conservation Science, Planning, and Prioritization in the NGO and Academic Worlds" Department of Biology seminar series, September, University of Central Florida, Orlando, FL.

2007 "Summary and Synthesis" Evolutionary Change in Human-Altered Environments: An International Summit, February, Institute of the Environment, UCLA, Los Angeles, CA.

"Research Update: Department of Wildlife and Fisheries Sciences at Texas A&M University." Wildlife 2007: Texas Wildlife Association's 22nd Annual Convention, June, San Antonio, TX.

"Transboundary Conservation on the US-Mexico Border: The Big Bend-Carmen Conservation Corridor." Presented (*in Spanish*) October, II Congresso Latinoamericano de Parques Nacionales y Otras Áreas Protegidas, Bariloche, Argentina.

"Conservation Science, Planning, and Prioritization in the NGO and Academic Worlds" Department of Marine Biology seminar series, November, Texas A&M University-Galveston, Galveston, TX.

"Marine mammal, industrial, environmental, research, and native concerns: More agreement than disagreement, and a way forward." Co-author with presenter Bernd Würsig, Keynote address, Society of Marine Mammalogy, November, Cape Town, South Africa.

2009 "Mammalian endemism, range size and conservation status in the southern temperate zones." Presented at the symposium "The Future of the World's Mammals: The IUCN Red List Database as a Tool in Conservation Modeling and Planning." 10th International Mammalogical Congress, August, Mendoza, Argentina.

"The IUCN global assessments and their use in conservation and biodiversity research." Presented at the Applied Biodiversity Science seminar series, NSF-IGERT Program, Texas A&M University.

2010 "The IUCN global assessments and their use in conservation and biodiversity research." Presented at the Graduate Group in Ecology seminar series, University of California, Davis, January, Davis, CA.

"A fifth of vertebrate species face a high probability of extinction? Progress and directions from the IUCN Red List." Presented (coauthor, presented by Thomas Brooks) at the symposium "Addressing the Extinction Crisis for a Changing Planet: Synthesis and New Directions for Predicting Risk across Vertebrates." 24th International Congress for Conservation Biology, July, Edmonton, Canada.

"As Avaliações Globais de Espécies e Dados sobre Espécies Ameaçadas: Relevância para Ecologia Urbana." Presented (*in Portuguese*) at the 1st International Conference for Urban Biology, November, Manaus, Brazil.

2012 "A Proposal to Develop a Regional Recovery Effort for IUCN Red List Species in the Gulf of Mexico in Response to the BP-Funded Gulf of Mexico Research Initiative." (with Roger McManus) Presented at the 2nd Annual Species Survival Commission Chair's Meeting, February, Abu Dhabi, United Arab Emirates.

"Critical Ecosystems and Sustainable Development: The Assessment of Extinction Risk to Biodiversity." Presented at the conference Brazil-TAMU: Science and Education Internationalization, March, Porto de Galinhas, Pernambuco, Brazil.

"Application and Validation of Land use and Climate Change Scenario Model Predictions of Extinction Risk at Multiple Scales." Presented at the 4th Annual Spring Symposium of the Institute for Applied Mathematics and Computational Science and King Abdullah University of Science and Technology, May, at the KAUST Campus, Thuwal, Saudi Arabia.

2013 "Perspectivas Internacionais sobre a Conservação de Mamíferos." Presented (*in Portuguese*) as an Aula Magna, Universidade Estadual de Maringá – Goioerê, March, Goioerê, Paraná, Brazil.

“Introdução à Sistemática e Taxonomia e Origem e Evolução de Mamíferos.” Presented (*in Portuguese*) at the Symposium: Ecologia e Conservação de Mamíferos Silvestres Universidade Estadual de Maringá, March, Maringá, Paraná, Brazil.

“Diversidade de Mamíferos I.” Presented (*in Portuguese*) at the Symposium: Ecologia e Conservação de Mamíferos Silvestres Universidade Estadual de Maringá, March, Maringá, Paraná, Brazil.

“Diversidade de Mamíferos II.” Presented (*in Portuguese*) at the Symposium: Ecologia e Conservação de Mamíferos Silvestres Universidade Estadual de Maringá, March, Maringá, Paraná, Brazil.

“Conservação de Mamíferos e a Lista da IUCN.” Presented (*in Portuguese*) at the Symposium: Ecologia e Conservação de Mamíferos Silvestres Universidade Estadual de Maringá, March, Maringá, Paraná, Brazil.

“The IUCN Global Assessments: Applications for Conservation and Macroecology” Presented at the Department of Biology Seminar Series, October, San Marcos, TX.

2014 “Flight of the Mexican Long-nosed Bat: Modeling the Potential Geographic Distribution of a Key Pollinator Corridor in Mexico and the United States.” E. Gomez and T.E. Lacher, Jr. Presented (*in Portuguese*) at the Universidade Estadual de Maringá, February, Maringá, Paraná, Brazil.

“The use of IUCN Red List Assessments as Biodiversity Metrics and the BioGoMx Platform for Implementing Conservation and Restoration in the Gulf of Mexico.” (Co-author) Presented (by K. Carpenter) at Summit 2014: State of the Gulf of Mexico, March, Houston, TX.

“The IUCN Red List of Threatened Species: a review of its role in aiding protected area network planning, management and monitoring.” Presented at the session on The Value of IUCN’s Red Lists in Protected Area Planning and Monitoring, World Parks Congress, November, Sydney, Australia.

“Use of Red List data in assessing the effectiveness of MPAs.” Poster presented at the session on The Value of IUCN’s Red Lists in Protected Area Planning and Monitoring, World Parks Congress, November, Sydney, Australia.

2015 “The IUCN Global Assessments and their Use in Conservation and Biodiversity Research.” Presented at the University of Oklahoma Department of Zoology seminar series, April, Norman, OK.

“Contrast of Hantavirus Prevalence and Rodent Diversity at Anthropogenically Degraded and Sylvan Environments.” I. Castro-Arellano, M. Milholland, E. Arellano, F.X. Gonzalez-Cozatl, G. Suzan-Aspiri, S. Gonzalez-Padron, T. Shountz, T. Maikis, E.R. Rodriguez-Ruiz, D. Hahn and T. E. Lacher, Jr. Presented at the Texas A&M University-CONACYT 2015 Research Symposium, June, College Station, TX.

“The Application of Ecological Scale across Disciplines.” Panel Discussion, Department of Ecosystem Science and Management Seminar Series, September, College Station, TX.

”The IUCN Global Assessments and their Use in Conservation and Biodiversity Research.” Presented at the Baylor University Department of Environmental Sciences seminar series, September, Waco, TX.

”The IUCN Global Assessments and their Use in Conservation and Biodiversity Research.” Presented at the Ecology and Evolutionary Biology seminar series, Texas A&M University, October, College Station, TX.

PUBLICATIONS AND TECHNICAL/INSTRUCTIONAL REPORTS

Monographs, Books, and Edited Volumes

- Lacher, T.E., Jr. 1981. The comparative social behavior of *Kerodon rupestris* and *Galea spixii* and the evolution of behavior in the Caviidae. **Bulletin of the Carnegie Museum** 17:1-71.
- Kendall, R.J., L.W. Brewer, T.E. Lacher, Jr., B.T. Marden, and M.L. Whitten. 1989. *The use of starling nest boxes for field reproductive studies: provisional guidance document and technical support document*. EPA/600/8-89/056. National Technical Information Services publication number: PB89 195 028/AS, i-vii + 82 pp.
- Kendall, R.J. and T.E. Lacher, Jr. (eds.). 1994. *Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems*. (Special publication series, Society of Environmental Toxicology and Chemistry), Lewis Publishers, Chelsea, MI, 576 pp.
- Lacher, T.E., Jr. and R.J. Kendall (eds.). 1997. *Annual Review Issue: Tropical Ecotoxicology*. **Environmental Toxicology and Chemistry** 16(1), 118 pp.
- Savitsky, B.G. and T.E. Lacher, Jr. (eds.). 1998. *GIS Methodologies for Developing Conservation Strategies: Tropical Forest Recovery and Wildlife Management in Costa Rica*. Columbia University Press, New York, 237pp.
- Wui, Yong-Suhk, K. Tierce, J. Nicholson, K. Mizell, M. Krohn, E. Kennedy, A. Henry, J. Harris, D.F. Cowman, A.A. Torres Conkey, N. Canzoneri, J.C. Franklin, R.T. Woodward, A. Vedlitz, R.D. Slack, T.E. Lacher, Jr., and L.T. Alston. 2000. *Ecological, Economic and Policy Alternatives for Texas Rice Agriculture*. A report by the Institute for Science, Technology, and Public Policy in the George Bush School of Government and Public Service to the Texas Water Resources Institute/Agricultural Program, Texas A&M University System (TWRI Report TR-181, 160 pp., order from twri@twri.tamu.edu).
- Kendall, R.J., T.E. Lacher, Jr., G.P. Cobb, and S.B. Cox (eds). 2010. *Wildlife Toxicology: Emerging Contaminant and Biodiversity Issues*. Taylor and Francis, Boca Raton, i-xviii + 321 pp.
- Wilson, D.E., T.E. Lacher, Jr and R.A. Mittermeier (eds). (2016.). *Handbook of Mammals of the World. Vol. 6. Lagomorphs and Rodent 1*. Lynx Editions, Barcelona, Spain.
- Wilson, D.E., T.E. Lacher, Jr and R.A. Mittermeier (eds). (In prep.). *Handbook of Mammals of the World. Vol. 7. Rodents: Part 2*. Lynx Editions, Barcelona, Spain.
- DellaSalla, D. and M. Goldstein (Editors-in-Chief), S. Elias, T. Lacher, Jr., P. Mineau, S. Pyare and K. Suckling (Section Editors). In preparation. *Encyclopedia of the Anthropocene, Volumes 1 - 6*. Elsevier, Oxford.
- Journal Articles, Book Chapters, Published Contributions, On-Line Publications, and Published Maps*
- Mares, M.A., M.D. Watson and T.E. Lacher, Jr. 1976. Home range perturbations in *Tamias striatus*: Food supply as a determinant of home range and density. **Oecologia** 25:1-12.
- Lacher, T.E., Jr. 1979. Rates of growth in *Kerodon rupestris* and an assessment of its potential as a domesticated food source. **Papeis Avulsos do Museu de Zoologia, São Paulo** 33:67-76.
- Mares, M.A., R. Adams, T.E. Lacher, Jr. and M.R. Willig. 1980. Home range dynamics in chipmunks: responses to experimental manipulation of population density and distribution. **Annals of the Carnegie Museum of Natural History** 49:193-201.
- Fonseca, G.A.B. da, T.E. Lacher, Jr., C. Alves, Jr. and B. Magalhães-Castro. 1980. Ecological aspects of free-living *Callithrix jacchus penicillata*. **Antropologia Contemporanea** (VIII Intern. Congr. of Primatology) 3:197.
- Lacher, T.E., Jr., G.A.B. da Fonseca, C. Alves, Jr., and B. Magalhães-Castro. 1981. Exudate-eating, scent-marking and territoriality in wild populations of marmosets. **Animal Behaviour** 29:306-307.

- Mares, M.A., M.R. Willig, K.E. Streilein and T.E. Lacher, Jr. 1981. The Mammals of Northeastern Brazil: a preliminary assessment. **Annals of the Carnegie Museum of Natural History** 50:81-137.
- Vitt, L.J. and T.E. Lacher, Jr. 1981. Behavior, habitat, diet and reproduction of the Iguanid lizard, *Polychrus acutirostris*, in the Caatinga. **Herpetologica** 37:53-63.
- Lacher, T.E., Jr. 1982. Behavioral research in South America, Pp. 209-230. **In: Mammalian Biology in South America**, M.A. Mares and H.H. Genoways, eds. Special Publication Series, Vol. 6, Pymatuning Laboratory of Ecology, University of Pittsburgh Press, Pittsburgh, PA, 539 pp.
- Mares, M.A., T.E. Lacher, Jr., M.R. Willig, R. Adams, N.A. Bitar, A. Klinger and D. Tazik. 1982. An experimental analysis of social spacing in *Tamias striatus*. **Ecology** 63:267-273.
- Lacher, T.E., Jr. M.R. Willig and M.A. Mares. 1982. Food preference as a function of resource abundance with multiple prey types: An experimental analysis of optimal foraging theory. **American Naturalist** 120:297-316.
- Lacher, T.E., Jr. 1982. Contributing author. **In: Mammal Species of the World: A Taxonomic and Geographic Reference**. J.H. Honacki, K.E. Kinman and J.W. Koepl, eds. Allan Press, Inc. and the American Systematics Collections, Lawrence, KS.
- Lacher, T.E., Jr., G.A.B. da Fonseca, C. Alves, Jr., and B. Magalhães-Castro. 1984. Parasitism of trees by marmosets in a central Brazilian gallery forest. **Biotropica** 16:202-209.
- Fonseca, G.A.B. da and T.E. Lacher, Jr. 1984. Exudate-feeding by *Callithrix jacchus penicillata* in semideciduous woodland (Cerradão) in central Brazil. **Primates** 25:441-450.
- Redford, K.H., G.A.B. da Fonseca and T.E. Lacher, Jr. 1984. The relationship between frugivory and insectivory in primates. **Primates** 25:433-440.
- Lacher, T.E., Jr. 1984. The Cavies. Pp. 690-693, **In: Encyclopedia of Mammals**, D. MacDonald, ed., Facts on File, Inc., New York, NY, 960 pp.
- Mares, M.A., M.R. Willig, and T.E. Lacher, Jr. 1985. The role of the Brazilian Caatinga in South American biogeography: Tropical mammals in an arid zone. **Journal of Biogeography** 12:57-69.
- Galindo, J., R.J. Kendall, C. Driver, and T.E. Lacher, Jr. 1985. The effect of Methyl Parathion on the susceptibility of bobwhite quail (*Colinus virginianus*) to domestic cat predation. **Behavioral and Neural Biology** 43:21-36.
- Lacher, T.E., Jr., I. Egler, C.J.R. Alho, and M.A. Mares. 1986. Termite community composition and mound characteristics in two grassland formations in Central Brazil. **Biotropica** 18:356-359.
- Lacher, T.E., Jr., and M.A. Mares. 1986. The structure of Neotropical mammal communities: An appraisal of current knowledge. Proceedings of the Symposium "Ecology of Neotropical Mammals," IV International Theriological Congress. **Revista Chilena de Historia Natural** 59: 121-134.
- Lacher, T.E., Jr., C.J.R. Alho, Z.M.da Silva Campos and H.C. Gonçalves. 1986. Densidades y preferencias de microhabitat de los mamíferos en la Hacienda Nhumirim, sub-region Nhecolandia, Pantanal del Mato Grosso del Sur. **Ciencia Interamericana** 26:30-38.
- Lacher, T.E., Jr., C.J.R. Alho and I.G.T. Pereira. 1986. The relation between cloacal temperature and ambient temperature in five species of Brazilian turtles. **Revista Brasileira de Biologia** 46:563-566.
- Mares, M.A. and T.E. Lacher, Jr. 1987. The use of space in small mammals: Patterns of individual variation. **American Zoologist** 27:293-306.
- Alho, C.J.R., T.E. Lacher, Jr., Z.M. da Silva Campos, and H.C. Gonçalves. 1987. Mamíferos da Fazenda Nhumirim, Subregião Nhecolândia, Pantanal do Mato Grosso do Sul: I- Levantamento preliminar de espécies. **Revista Brasileira de Zoologia** 4: 151-164.

Mares, M.A. and T.E. Lacher, Jr. 1987. Ecological, morphological and behavioral convergence in rock-dwelling mammals. Pp. 307-348, **In: *Current Mammalogy***, H.H. Genoways, ed., Vol 1. Plenum Press, New York, NY.

Alho, C.J.R., T.E. Lacher, Jr. and H.C. Gonçalves. 1988. Environmental degradation in the Pantanal Ecosystem of Brazil. **BioScience** 38: 164-171.

Robinson, S.C., R.J. Kendall, R. Robinson, C.J. Driver and T.E. Lacher, Jr. 1988. Effects of agricultural spraying of Methyl Parathion on cholinesterase activity and reproductive success of wild starlings (*Sturnus vulgaris*). **Environmental Toxicology and Chemistry** 7: 343-349.

Brewer, L.W., C.J. Driver, R.J. Kendall, C. Zenier, and T.E. Lacher, Jr. 1988. Effects of agricultural spraying of Methyl Parathion on nestling ducks and duck broods in Skagit Valley, WA. **Environmental Toxicology and Chemistry** 7: 375-379.

Brewer, L.W., C.J. Driver, R.J. Kendall, T.E. Lacher, Jr., J.C. Galindo, and G.W. Dickson. 1988. Avian response to a turf application of Triumph 4E. **Environmental Toxicology and Chemistry** 7: 391-401.

Lacher, T.E., Jr., M.A. Mares, and C.J.R. Alho. 1989. The structure of a small mammal community in a Central-Brazilian Savanna. Pp. 137- 162, **In: *Advances in Neotropical Mammalogy***, K.H. Redford and J.F. Eisenberg (eds.), Sandhill Crane Press, Gainesville, FL.

Lacher, T.E., Jr., and C.J.R. Alho. 1989. Microhabitat use among small mammals in the Brazilian Pantanal. **Journal of Mammalogy** 70:396-401.

Lacher, T.E., Jr. 1989. [Review of] *Studies in Neotropical Mammalogy: Essays in honor of Philip Hershkovitz*. B.D. Patterson and R.M. Timm, eds. Fieldiana: Zoology, New Series No. 39. Field Museum of Natural History, 1987. **American Scientist** 77:286-287.

Bussiere, J.L., R.J. Kendall, T.E. Lacher, Jr. and R.S. Bennett. 1989. Effect of Methyl Parathion on food discrimination in Northern Bobwhite (*Colinus virginianus*). **Environmental Toxicology and Chemistry** 8:1125-1131.

Lacher, T.E., Jr. 1991. Contributing author. *In: *Microlivestock: Little-Known Small Animals with a Promising Economic Future**. National Research Council. National Academy Press, Washington, DC.

Willig, M.R. and T.E. Lacher, Jr. 1991. Food selection of a tropical folivore in relation to leaf-nutrient content. **Journal of Mammalogy** 72:314-321.

Kendall, R.J. and T.E. Lacher, Jr. 1991. Ecological modeling, population ecology, and wildlife toxicology: a team approach to environmental toxicology. **Environmental Toxicology and Chemistry** 10:297-299.

Lacher, T.E., Jr. 1991. [Review of] *Neotropical rainforest mammals*, L.H. Emmons, University of Chicago Press, Chicago, 1990. **Animal Behaviour** 42:165-166.

Mayer, J.R., T.E. Lacher, Jr., N.R. Elkins, and C.J. Thorn. 1991. Temporal variation of Ethylene Dibromide (EDB) in an unconfined aquifer, Whatcom County, Washington, USA: a twenty-seven month study. **Bulletin of Environmental Contamination and Toxicology** 47:368-373.

Alho, C.J.R. and T.E. Lacher, Jr. 1991. Mammalian conservation in the Pantanal of Brazil. Pp. 280-294, **In: *Latin American Mammalogy: Topics in History, Biodiversity, and Conservation***, M.A. Mares and D.J. Schmidly (eds.), Univ. of Oklahoma Press, Norman, OK.

Lacher, T.E., Jr., G.A.B. da Fonseca, C. Valle, and A.M.P.B. da Fonseca. 1991. National and international cooperation in wildlife management and conservation at a Brazilian university. Pp. 368-380, **In: *Latin American Mammalogy: Topics in History, Biodiversity, and Conservation***, M.A. Mares and D.J. Schmidly (eds.), Univ. of Oklahoma Press, Norman, OK.

Lacher, T.E., Jr. 1992. Ecological aspects of reproductive patterns in South American small rodents. Pp. 283-294. **In: *Reproductive Biology of South American Vertebrates***, W.C. Hamlett (ed.), Springer-Verlag, New York, NY.

- Block, E.K., T.E. Lacher, Jr., and R.J. Kendall. 1993. Effects of the organophosphate pesticide COUNTER^R on laboratory deer mice. *Peromyscus maniculatus*). **Environmental Toxicology and Chemistry** 12:377-383.
- Lacher, T.E., Jr. 1994. Critical parameters in population studies. Pp. 89-91. **In:** *Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems*, R.J. Kendall and T.E. Lacher, Jr. (eds.), Lewis Publishers, Chelsea, MI.
- Lacher, T.E., Jr. 1994. Direct and indirect pathways in spatially structured habitats. Pp. 147-151. **In:** *Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems*, R.J. Kendall and T.E. Lacher, Jr. (eds.), Lewis Publishers, Chelsea, MI.
- Lacher, T.E., Jr. 1994. Applying life-history, food web, population viability, and genetic models to pesticide studies. Pp. 359-361. **In:** *Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems*, R.J. Kendall and T.E. Lacher, Jr. (eds.), Lewis Publishers, Chelsea, MI.
- Lacher, T.E., Jr. 1994. Theoretical ecology and research on agroecosystems. Pp. 429-433. **In:** *Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems*, R.J. Kendall and T.E. Lacher, Jr. (eds.), Lewis Publishers, Chelsea, MI.
- Lacher, T.E., Jr. and M.R. Willig. 1994. Univariate and multivariate approaches to the analysis of ecotoxicological data. Pp. 441-453. **In:** *Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems*, R.J. Kendall and T.E. Lacher, Jr. (eds.), Lewis Publishers, Chelsea, MI.
- Synthesis Committee. 1994. Research and development needs. Pp. 577-587. **In:** *Wildlife Toxicology and Population Modeling: Integrated Studies of Agroecosystems*, R.J. Kendall and T.E. Lacher, Jr. (eds.), Lewis Publishers, Chelsea, MI (one of eight authors).
- Savitsky, B.G., T.E. Lacher, Jr., G.W. Burnett, J. Fallas, and C. Vaughan. 1994. Applying proven GIS technique in a new setting: GAP analysis in Costa Rica. Pp. 66-72. **In:** *Environmental Assessment and Development*, R. Goodland and V. Edmundson (eds.), The World Bank, Washington, DC.
- Lacher, T.E., Jr. and J. Calvo-Alvarado. 1994. The AMISCONDE Initiative: restoration, conservation, and development in the La Amistad buffer zone. Pp. 315-322. **In:** *Conservation Corridors in the Central American Region*, A. Vega (ed.), Tropical Research and Development, Inc., Gainesville, Florida.
- Lacher, T.E., Jr. and J. Calvo-Alvarado. 1995. The AMISCONDE Initiative: restoration, conservation, and development in the La Amistad buffer zone. Pp. 440-443. **In:** *Integrating People and Wildlife for a Sustainable Future.*, J. A. Bissonette and P. R. Krausman (eds.), Proceedings of the First International Wildlife Management Congress. The Wildlife Society, Bethesda, Maryland.
- Lacher, T.E., Jr., J. Calvo-Alvarado, M. Ramirez Umaña, and J.D. Maldonado Dammert. 1995. Incentivos económicos y de conservación para el manejo de las zonas de amortiguamiento: la iniciativa AMISCONDE. Pp. 315-334. **In:** *Abordagens Interdisciplinares para a Conservação da Biodiversidade e Dinâmica do Uso da Terra no Novo Mundo; Anais da Conferência Internacional*, G.A.B. da Fonseca, M. Schmink, L.P.S. Pinto, and F. Brito (eds.), Conservation International, Belo Horizonte, Brazil.
- Nations, J.D., R. Cesca, J.A. Martin, and T.E. Lacher, Jr. 1995. Ethical obligations of multinational corporations to the global environment: McDonald's and conservation. Pp. 265-275. **In:** *Perspectives on Ecological Integrity*, J. Lemons and L. Westra (eds.), Kluwer Academic Publications.
- Savitsky, B.G., D. Tarbox, D. Van Blaricom, T.E. Lacher, Jr., and J. Fallas. 1995. *Habitats of Costa Rica*. An annotated map. Strom Thurmond Institute and Archbold Tropical Research Center, Clemson University, Clemson, South Carolina.
- Kendall, R.J., C.M. Bens, G.P. Cobb III, R.L. Dickerson, K.R. Dixon, S.J. Klaine, T.E. Lacher, Jr., T.W. LaPoint, S.T. McMurry, R. Noblet, and E.E. Smith. 1996. Aquatic and terrestrial ecotoxicology. Pp. 883-905. **In:** *Casarett and Doull's Toxicology: The Basic Science of Poisons, Fifth Edition*, C.D. Klassen et al. (eds.), McGraw Hill, New York.

M. Ramirez Umaña, T.E. Lacher, Jr., J.D. Nations, E.T. Kennedy, and R. Cesca. 1996. Conservation strategies and incentive mechanisms implemented within the La Amistad conservation development initiative (AMISCONDE) for Costa Rica and Panama. **In: Incentives for Biodiversity: Sharing Experiences: A Workshop of the 4th Global Biodiversity Forum**, 30 August - 1 September 1996, Montreal, Canada. IUCN, Gland, Switzerland.

Conference site URL - <http://biodiversityeconomics.org/incentives/960830.htm>.

On-line publication at

http://www.biodiversityeconomics.org/applications/library_documents/lib_document.rm?document_id=241

Kendall, R.J., C. Bunck, B. Daniel, C. Driver, C. Grue, T.E. Lacher, Jr., F. Leighton, W. Stansley, P.G. Watanabe, and M. Whitworth. 1996. An ecological risk assessment of lead shot exposure in non-waterfowl species: upland game birds, passerines, and raptors. **Environmental Toxicology and Chemistry** 15:4-20.

Lacher, T.E., Jr. and M.A. Mares. 1996. Use of space in the eastern chipmunk, *Tamias striatus*: the effects of the distribution, abundance, and diversity of resources. **Journal of Mammalogy** 77:833-849.

Christian, C.S., T.E. Lacher, Jr. , M.P. Zamore, T.D. Potts, and G.W. Burnett. 1996. Parrot (Psittacidae) conservation in the Lesser Antilles with some comparison to the Puerto Rican efforts. **Biological Conservation** 77:159-167.

Christian, C. S., T. D. Potts, G. W. Burnett, and T. E. Lacher, Jr. 1996. Parrot conservation and ecotourism in the Windward Islands. **Journal of Biogeography** 23:387-393..

Lacher, T.E., Jr. and M.I. Goldstein. 1997. Tropical ecotoxicology: status and needs. Annual Review Issue on Tropical Ecotoxicology. **Environmental Toxicology and Chemistry** 16:91-99.

Henriques, W., R.D. Jeffers, T.E. Lacher, Jr., and R. J. Kendall. 1997. Agrochemical use on banana plantations in Latin America: perspectives on ecological risk. Annual Review Issue on Tropical Ecotoxicology. **Environmental Toxicology and Chemistry** 16:100-111.

Lacher, T.E., Jr., S. Mortensen, K. Johnson, and R.J. Kendall. 1997. Environmental aspects of pesticide use in banana plantations. **Pesticide Outlook**, 8:24-28.

Lacher, T.E., Jr. 1998. The spatial nature of conservation and development. Pp. 3-12. **In: GIS Methodologies for Developing Conservation Strategies: Tropical Forest Recovery and Wildlife Management in Costa Rica**, B.G. Savitsky and T.E. Lacher, Jr. (eds.), Columbia University Press, New York.

B.G. Savitsky , J. Fallas, C. Vaughan, and T. E. Lacher, Jr. 1998. Wildlife and habitat data collection and analysis. Pp.158-169. **In: GIS Methodologies for Developing Conservation Strategies: Tropical Forest Recovery and Wildlife Management in Costa Rica**, B.G. Savitsky and T.E. Lacher, Jr. (eds.), Columbia University Press, New York.

B.G. Savitsky and T.E. Lacher, Jr. 1998. A GIS method for conservation decision making.Pp. 179-198. **In: GIS Methodologies for Developing Conservation Strategies: Tropical Forest Recovery and Wildlife Management in Costa Rica**, B.G. Savitsky and T.E. Lacher, Jr. (eds.), Columbia University Press, New York.

Lacher, T.E., Jr. 1998. Using the gap analysis model for sustainable development and natural resources management in developing countries. Pp. 199-209. **In: GIS Methodologies for Developing Conservation Strategies: Tropical Forest Recovery and Wildlife Management in Costa Rica**, B.G. Savitsky and T.E. Lacher, Jr. (eds.), Columbia University Press, New York.

Lacher, T.E., Jr., B. G. Savitsky, and C. Vaughan. 1998. Application of the gap analysis model in regional and international programs in the tropics. Pp. 210-218. **In: GIS Methodologies for Developing Conservation Strategies: Tropical Forest Recovery and Wildlife Management in Costa Rica**, B.G. Savitsky and T.E. Lacher, Jr. (eds.), Columbia University Press, New York.

Mortensen, S.R., K.A. Johnson, C.P. Weisskopf, M.J. Hooper, T.E. Lacher, Jr., and R.J. Kendall. 1998. Avian exposure to pesticides in Costa Rican banana plantations. **Bulletin of Environmental Contamination and Toxicology**, 60:562-568.

Lacher, T.E., Jr., R.D. Slack, L.M. Coburn, and M.I. Goldstein. 1999. The role of agroecosystems in wildlife biodiversity. Pp. 147-165. **In: The Importance of Biodiversity in Agroecosystems**. W. Collins and C. Qualset (eds.), CRC Press, Inc., Boca Raton, FL.

- Goldstein, M.I., P.H. Bloom, J.H. Sarasola, and T.E. Lacher, Jr. 1999. Post-migration weight gain of Swainson's hawks in Argentina. **Wilson Bulletin**, 111:428-432.
- Kennedy, E.T., T.E. Lacher, Jr., J.D. Nations, D.M. Burton, R. Cesca, A.L. Reis, and M. Ramirez. 1999. The new Gemeinschaft: individual initiative and business-NGO-university partnerships. **Greener Management International**, 24:1-16.
- Block, E.K., T.E. Lacher, Jr., L.W. Brewer, G.P. Cobb, and R.J. Kendall. 1999. Populations responses of *Peromyscus* resident in Iowa cornfields treated with the organophosphorus pesticide COUNTER®. **Ecotoxicology**, 8:189-200.
- Goldstein, M.I., T.E. Lacher, Jr., B. Woodbridge, M.J. Bechard, S.B. Canavelli, M.E. Zaccagnini, G.P. Cobb, III, E.J. Scollon, R. Tribolet, and M.J. Hooper. 1999. Monocrotophos-induced mass mortality of Swainson's hawks in Argentina, 1995-1996. **Ecotoxicology**, 8:201-214.
- Goldstein, M.I., T.E. Lacher, Jr., M.E. Zaccagnini, M.L. Parker, and M.J. Hooper. 1999. Monitoring and assessment of Swainson's hawks in Argentina following restrictions on monocrotophos use, 1996-97. **Ecotoxicology** 8:215-224.
- Lacher, T.E., Jr. 1999. Author of 53 chapter entries and a total of 90 pp. **In:** *Encyclopedia of Deserts*, M.A. Mares (ed.), University of Oklahoma Press, Norman, OK, 654 pp. Entries (and page numbers) are:
- | | |
|---------------------------------------|-----------------------------------|
| Aardvark (p. 3) | Ground Squirrel (pp. 254-255) |
| Addax (p. 7) | Habitat Degradation (pp. 261-262) |
| African Lion (p. 13) | Hamster (p. 264) |
| Antelope (p. 28) | Hare (pp. 264-265) |
| Armadillo (pp. 39-40) | Hyrax (p. 288) |
| Barbary Lion (p. 64) | Insecticides (pp. 293-294) |
| Biosphere Reserves (pp. 72-73) | Jackal (p. 307) |
| Bobcat (p. 79) | Klipspringer (pp. 324-325) |
| Caatinga (pp. 90-92) | Kopje (p. 325) |
| Caracal (pp. 99-100) | Kudu (pp. 325-326) |
| Carnivores (pp. 102-103) | Lion (p. 337) |
| Cats (pp. 105-106) | Mara (pp. 349-350) |
| Cavy (p. 106) | Mexico, Deserts of (pp. 355-358) |
| Cheetah (p. 111) | Mongoose (p. 372) |
| Coati (pp. 124-125) | Nyala (pp. 393-394) |
| Conservation in Deserts (pp. 131-132) | Off-road Vehicles (pp. 396-397) |
| Contamination (pp. 132-133) | Pesticides (p. 425) |
| Countershading (p. 137) | Pollution (pp. 448-449) |
| Dassie Rat (p. 146) | Predation (pp. 453-454) |
| Dik-dik (pp. 178-179) | <i>Psammomys</i> (p. 457) |
| Dirt Bikes (p. 180) | Quokkas (pp. 462-463) |
| Dune Buggies (pp. 186-187) | Sand Rat (pp. 502-503) |
| Fennec (pp. 212-213) | Serval (p. 513) |
| Ferret (p. 213) | Squirrel (pp. 540-541) |
| Fynbos (pp. 228-229) | Weasel (p. 589) |
| Genet (pp. 233-234) | Wildlife (pp. 593-594) |
| Grooming (p. 254) | |
- Lacher, T.E., Jr. 2000. AMISCONDE: New institutional alliance for natural resource protection and new income sources for local rural communities. Pp. 17-18, **In:** *Sustainable Development Success Stories, Volume 4*. Department of Economic and Social Affairs, Division for Sustainable Development, United Nations, New York.
- Maldonado, J.D., F.H. Tainter, H.D. Skipper, and T.E. Lacher, Jr. 2000. Endomycorrhizal inoculum potential in natural and managed tropical montane soils in Costa Rica. **Tropical Agriculture** 77:27-32
- Sandel, J.K., G.R. Benatar, K.M. Burke, C.W. Walker, T.E. Lacher, Jr., and R.L. Honeycutt. 2001. Winter roost selection by eastern Pipistrelle bats. *Pipistrellus subflavus*) in Texas. **Journal of Mammalogy** 82:173-178.
- Scollon, E.J., M.I. Goldstein, M.E. Parker, M.J. Hooper, T.E. Lacher, and G.P. Cobb. 2001. Chemical and biochemical evaluation of Swainson's hawk mortalities in Argentina. Pp. 294-308. **In:** *Pesticides and Wildlife*. J.J. Johnston (ed.), ACS Symposium Series 771. American Chemical Society, Washington, DC.

- Lacher, T.E., Jr. 2001. AMISCONDE: Natural resource protection and new income sources for U.S. Partners and local rural communities through new institutional alliances. Pp. 145-147, **In: Food: The Whole World's Business**. Association for International Agriculture and Rural Development, Washington.
- Lacher, T. E., Jr. and C.J.R. Alho. 2001. Terrestrial small mammal richness and habitat associations in an Amazonian-Cerrado contact zone. **Biotropica** 33:171-181.
- Lacher, T.E., Jr. and M. Cassini. 2001. The Cavies. Pp. 672-675, **In: The New Encyclopedia of Mammals**, D. MacDonald and S. Norris (eds.), Oxford University Press, Oxford, UK, 930 pp.
- Brusati, E.D., P.J. DuBowy, and T.E. Lacher, Jr. 2001. Comparing functions of natural and created wetlands for shorebirds and wading birds. **Waterbirds** 24:371-380.
- Cowman, D.F., D.W. Sparling, G.M. Fellers and T.E. Lacher, Jr. 2002. Effects of agricultural pesticides on translocated tadpoles of the Pacific treefrog in Lassen, Yosemite and Sequoia National Parks. Patuxent Wildlife Research center, USGS, On-line publication at <http://www.pwrc.usgs.gov/resshow/cowman/cowman.html>.
- Fonseca, G.A.B., C. Gascon, M.K. Steininger, T. Brooks, R.A. Mittermeier and T.E. Lacher, Jr. 2002. A global fragmentation experiment underway. **Science** 295: 1835.
- Aguiar, J.M., T.E. Lacher, Jr., and J.M. Cardoso da Silva. 2002. The Caatinga. Pp. 174-181, **In: Wilderness, Earth's Last Wild Places**, R.A. Mittermeier, C.G. Mittermeier, P. Robles Gil, J. Pilgrim, G.A.B. da Fonseca, T. Brooks, and W.R. Konstant (eds.). CEMEX (Monterrey), Conservation International (Washington, DC), and Agrupación Sierra Madre (Mexico City), 576 pp.
- Goldstein, M.I., M.S. Corson, T.E. Lacher, Jr. and W.E. Grant. 2003. Managed forests and migratory bird populations: evaluating spatial configurations through simulation **Ecological Modeling** 162:155-175.
- Aguiar, J.M. and T.E. Lacher, Jr. 2003. On the morphological distinctiveness of *Callithrix humilis* Van Roosmalen *et al.*, 1998. **Neotropical Primates** 11:11-18.
- Land, T.S., T.E. Lacher, Jr., and D.R. Clark, Jr. 2003. Emergence Patterns of Cave Myotis (*Myotis velifer*) on Fort Hood, in Central Texas. **Bat Research News** 44:92-94.
- Mittermeier, R.A., Brooks, T., Fonseca, G.A.B. da, Hoffmann, M., Lamoreux, J., Mittermeier, C.G., Pilgrim, J., Robles, Gil, P., Seligmann, P., Alger, K., Boltz, F., Brandon, K., Bruner, A., Cardoso da Silva, J.M., Carter, A., Cavalcanti, R., Church, D., Foster, M., Gascon, C., Gorenflo, L., Gratwicke, B., Guerin-McManus, M., Hannah, L., Knox, D., Konstant, W.R., Lacher, Jr., T.E., Langhammer, P., Langrand, O., Lapham, N., Martin, D., Myers, N., Naskrecki, P., Parr, M., Pearson, D., Prickett, G., Rice, D., Rylands, A., Sechrest, W., Smith, M.L., Stuart, S., Totten, M., Thomsen, J., & Ward, J. 2004. Introduction. Pp. 19-68, **In: Hotspots Revisited: Earth's Biologically Richest and Most Threatened Terrestrial Ecoregions**. R.A Mittermeier, P.R. Gil, M. Hoffman, J. Pilgrim, T. Brooks, C.G. Mittermeier, J. Lamoreux, and G.A.B. da Fonseca. CEMEX and Agrupación Sierra Madre, Mexico City, Mexico.
- Batra, P., S. Brandes, G. Fonseca, J. Hewson, C. Kierulff, C. Kuebler, T.E. Lacher, Jr., and J. Sanderson. 2005. The tropical ecology, assessment and monitoring (TEAM) initiative: understanding the future of biodiversity through a global scientific network. Pp. 38-39, **In: Secretariat of the Convention on Biological Diversity. Working Together for Biodiversity: Regional and International Initiatives Contributing to Achieving and Measuring Progress Towards the 2010 Target**. 10th Meeting of the Subsidiary Body on Scientific, Technical and Technological Advice of the Convention on Biological Diversity. Montreal, SCBD, 136 pp. (CBD Technical Series no. 17).
- Goldstein, M.I., N. Wilkins, and T.E. Lacher, Jr. 2005. Spatiotemporal responses of reptiles and amphibians to timber harvest treatments in bottomland hardwood forests in East Texas. **Journal of Wildlife Management** 69:525-539.
- Leal, I.R., J.M.C. da Silva, M. Tabarelli, and T.E. Lacher, Jr. 2005. Changing the course of biodiversity conservation in the Caatinga of Northeastern Brazil. **Conservation Biology** 19:701-706.

- Mittermeier, R.A., C. F. Kormos, C.G. Mittermeier, T. Sandwith, C. Besançon, D.C. Zbicz, P. Robles Gil, J. Hanks, L. Braack, M. Hoffmann, M. Bakarr, D. Martin, V. Martin, R. Mast, O. Langrand, G.A.B. da Fonseca, C. Gascon, and T.E. Lacher, Jr. 2005. An introduction to transboundary conservation. Pp. 27-66, **In: *Transboundary Conservation: A New Vision for Protected Areas***. R.A. Mittermeier, C.F. Kormos, C.G. Mittermeier, P. Robles Gil, T. Sandwith, and C. Besançon. CEMEX-Agrupación Sierra Madre-Conservation International, Mexico City, Mexico.
- Leal, I.R., J.M.C. da Silva, M. Tabarelli, and T.E. Lacher, Jr. 2005. Mudando o curso da conservação da biodiversidade na Caatinga do Nordeste do Brasil. **Megadiversidade** 1:139-146.
- K.W. McFadden, G.A.J. Worthy, and T.E. Lacher, Jr. 2006. Photogrammetric estimates of size and mass in Hawaiian Monk Seals (*Monachus schauinslandi*). **Aquatic Mammals** 32:31-40.
- Castro-Arellano, I. and T.E. Lacher, Jr. 2006. A new record and altitudinal extensions for El Cielo Biosphere Reserve Mammals, Tamaulipas, Mexico. **Revista Mexicana de Mastozoología** 9:116-120.
- Weiser, M.D., B.J. Enquist, B. Boyle, T. Killeen, P. Jorgensen, G. Fonseca, M. Jennings, A.J. Kerkoff, T.E. Lacher, Jr., A. Monteaquedo, M.P. Nuñez-Vargas, O.L. Phillips, N.G. Swenson, and R. Vasquez. 2007. Latitudinal patterns of range size and species richness of New World woody plants. **Global Ecology and Biogeography** 16:679-688.
- Castro-Arellano, I., G. Suzán, R. Flores-León, R. Morales-Jiménez, and T.E. Lacher, Jr. 2007. First report of Hantavirus occurrence in the nimble-footed mouse, *Peromyscus levipes* in northern Mexico. **Peromyscus Newsletter** 42: 36-38.
- Schipper, J. J. Chanson, F. Chiozza, N. Cox, M. Hoffmann, V. Katariya, J. Lamoreux, A. Rodrigues, S.N. Stuart, H.J. Temple, J. Baillie, L. Boitani, T.E. Lacher, Jr., R.A. Mittermeier, A.T. Smith, et al.. 2008. The status of the world's land and marine mammals: diversity, threat, and knowledge. **Science** 322:225-230.
- Castro-Arellano, I., C. Madrid, T.E. Lacher, Jr., and L. Leon-Paniagua. 2008. Hair trap efficacy for detecting medium and large carnivores in the tropics. **Journal of Wildlife Management** 72:1405-1412.
- T.E. Lacher, Jr., I. Castro-Arellano and G. Ceballos. 2008. Conservación transfronteriza entre Los Estados Unidos y México: El Corredor de Conservación Big Bend-Carmen. In: Proceedings of the II Congreso Latinoamericano de Parques Nacionales y otras Areas Protegidas, published on CD, IUCN.
- Castro-Arellano, G. Suzán, R. Flores León, R. Morales Jiménez, and T.E. Lacher, Jr. 2009. Survey for antibody to Hantavirus in Tamaulipas, Mexico. **Journal of Wildlife Diseases** 45:207-212.
- Castro-Arellano, I. and T.E. Lacher, Jr. 2009. Segregation by temporal niche in high and low richness rodent assemblages of subtropical Mexico. **Journal of Tropical Ecology** 25:593-603.
- Aguiar, J.M. and T.E. Lacher, Jr. 2009. Cranial morphology of the dwarf marmoset *Callibella* in the context of callitrichid variability. Pp. 355-380, **In: *The Smallest Anthropoids: The Marmoset/Callimico Radiation***, Susan M. Ford, Leila Porter, Lesa C. Davis, (eds.) Springer, New York.
- Christian, C.S., T.E. Lacher, Jr., W.E. Hammitt, and T.D. Potts. 2009. Visitation Patterns and Perceptions of National Park Users: Case Study of Dominica, West Indies. **Caribbean Studies** 37:83-103.
- Lacher, T.E., Jr., J. Bickham, C. Gascon, R. Green, R.D. Moore, and M. Mora. 2010. Impacts of contaminants and pesticides on biodiversity and ecosystem structure and function. Pp. 109-143, **In: *Wildlife Toxicology: Emerging Contaminant and Biodiversity Issues***. R.J. Kendall, T.E. Lacher, Jr., G.P. Cobb, and S.B. Cox (eds). Taylor and Francis, Boca Raton.
- Kendall, R.J., T.A. Anderson, G.P. Cobb, S.B. Cox, L. Hannah, T.E. Lacher, Jr., S.M. Presley, C.J. Salice, and P.N. Smith. 2010. Looking forward: the global future of wildlife toxicology. Pp. 271-282, **In: *Wildlife Toxicology: Emerging Contaminant and Biodiversity Issues***. R.J. Kendall, T.E. Lacher, Jr., G.P. Cobb, and S.B. Cox (eds). Taylor and Francis, Boca Raton.
- Castro-Arellano, I. T.E. Lacher, Jr., M.R. Willig, and T. Rangel. 2010. Assessment of assemblage-wide temporal niche segregation using null models. **Methods in Ecology and Evolution** 1:311-318.

- Lamoreux, J.F. and T.E. Lacher, Jr. 2010. Mammalian endemism, range size and conservation status in the southern temperate zones. **Diversity and Distributions** 16:922-931.
- Hoffmann, M., C. Hilton-Taylor, A. Angulo, et al., including T.E. Lacher, Jr. 2010. The impact and shortfall of conservation on the status of the world's vertebrates. **Science** 330:1503-1509.
- Corso, A.E., J.B. Woolley, and T.E. Lacher, Jr. 2010. Using digital photography and image analysis software to estimate the emergence of bats at Tou Santi Cave, Dominica, West Indies. **Caribbean Journal of Science** 46:169-175.
- Hixon, S., A. Brooks, T.E. Lacher, Jr., B. Micolka, C. Richmond, D. Warrendorf, A. Whitmire, B. Wilkins, and J.B. Woolley. 2012. Wing morphology, flight speeds and insights into niche structure in Caribbean bats from Dominica. **Chiroptera Neotropical** 18:1067-1073.
- Swenson, N.G., B.J. Enquist, J.Pither, A.J. Kerkhoff, B. Boyle, M.D. Weiser, J.J. Elser, W.F. Fagan, J. Forero-Montaña, N. Fyllas, N.J.B. Kraft, J. Lake, A.T. Moles, S. Patiño, O.L. Phillips, C.A. Price, P.B. Reich, C.A. Quesada, J.C. Stegen, R. Valencia, I.J. Wright, S.J. Wright, S. Andelman, P.M. Jørgensen, T.E. Lacher Jr., A. Monteagudo, M.P. Núñez Vargas, R. Vasquez-Martínez, and K.M. Nolting. 2012. The biogeography and filtering of woody plant functional diversity in North and South America. **Global Ecology and Biogeography** 21:798-808.
- Lacher, T.E., Jr., L. Boitani, and G.A.B. da Fonseca. 2012. The IUCN Global Assessments: Partnerships, collaboration and data sharing for biodiversity science and policy. **Conservation Letters** 5:327-333.
- Rocha da Silva, J.R., H. Ortêncio Filho and T.E. Lacher, Jr. 2013. Species richness and edge effects on bat communities from Perobas Biological Reserve, Paraná, southern Brazil. **Studies on Neotropical Fauna and Environment** 48:135-141. DOI:10.1080/01650521.2013.845967
- Ortêncio-Filho, H., T.E. Lacher, Jr., and L.C. Rodrigues. 2014. Seasonal patterns in community composition of bats in forest fragments of the Alto Rio Paraná, southern Brazil. **Studies on Neotropical Fauna and Environment** 49:169-179. DOI: 10.1080/01650521.2014.950834
- Sparling, D.W., D. Cowman, G. Fellers, L. McConnell, T.E. Lacher, Jr., C. Matson, and J.W. Bickham. 2015. In situ evidence for the effects of contaminants on amphibian populations in the Sierra Nevada Mountains, California, USA. **Ecotoxicology** 24:262-278. DOI 10.1007/s10646-014-1375-7.
- Gomez-Ruiz, E.P., P.C. Jimenez, J.J. Flores-Maldonado, T.E. Lacher, Jr., and J.M. Packard. 2015. Conservación de murciélagos nectarívoros (Phyllostomidae: Glossophagini) en riesgo en Coahuila y Nuevo León. **Therya** 6:89-102.
- Rhodin, A.G.J., H. Kaiser, P.P. van Dijk, W. Wüster, M. O'Shea, M. Archer, M. Auliya, L. Boitani, R. Bour, V. Clausnitzer, T. Contreras-MacBeath, B.I. Crother, J.M. Daza, C.A. Driscoll, O. Flores-Villela, J. Frazier, U. Fritz, A. Gardner, C. Gascon, A. Georges, F. Glaw, F.G. Grazziotin, C.P. Groves, G. Haszprunar, P. Havaš, J.M. Hero, M. Hoffmann, M.S. Hoogmoed, B.D. Horne, J.B. Iverson, M. Jäch, C.L. Jenkins, R.K.B. Jenkins, A.R. Kiestler, J.S. Keogh, T.E. Lacher Jr., J.E. Lovich, L. Luiselli, D.L. Mahler, D. Mallon, R. Mast, R.W. McDiarmid, J. Measey, R.A. Mittermeier, S. Molur, V. Mossbrugger, R. Murphy, D. Naish, M. Niekisch, H. Ota, J.F. Parham, M.J. Parr, N.J. Pilcher, R.H. Pine, A.B. Rylands, J.G. Sanderson, J. Savage, W. Schleip, G.J. Scrocchi, H.B. Shaffer, E.N. Smith, R. Sprackland, S.N. Stuart, H. Vetter, L.J. Vitt, T. Waller, G. Webb, E.O. Wilson, H. Zaher, and S. Thomson (Corresponding Author). 2015. Comment on Spracklandus Hoser, 2009 (Reptilia, Serpentes, ELAPIDAE): request for confirmation of the availability of the generic name and for the nomenclatural validation of the journal in which it was published. (Case 3601; see BZN 70: 234–237; 71: 30–38, 133–135, 181–182, 252–253). 2015. **Bulletin of Zoological Nomenclature** 72(1):65-78.
- Neam, K. and T.E. Lacher, Jr. 2015. Spatial distribution, resource use, and behavior of Brown-throated sloths (*Bradypus variegatus*) on a mosaic landscape in Costa Rica. **Edentata** 16:46-56.
- Martins, T. de O., S.P. Bunhuolo, H. Ortêncio Filho and T.E. Lacher, Jr. 2016. Large and Meso-mammals of the urban park Cinturão Verde, northwestern Paraná. **Check List** 12(2): doi: <http://dx.doi.org/10.15560/12.2.1851>
- Lacher, Jr., T.E., W. Murphy, J. Rogan, A.T. Smith, and N. Upham. 2016. Evolution, phylogeny, ecology and conservation of the Clade Glires: Lagomorpha and Rodentia. Pp. 15-27, In: *Handbook of Mammals of the World. Vol. 6. Lagomorphs and Rodents I*. D.E. Wilson, T.E. Lacher, Jr and R.A. Mittermeier (eds). Lynx Editions, Barcelona, Spain.

Lacher, Jr., T.E. 2016. Family Caviidae. Pp. 406-439, **In: Handbook of Mammals of the World. Vol. 6. Lagomorphs and Rodents I.** D.E. Wilson, T.E. Lacher, Jr and R.A. Mittermeier (eds). Lynx Editions, Barcelona, Spain.

Gilbert, J. and T.E. Lacher, Jr. 2016. Family Dasypsectidae. Pp. 440-461, **In: Handbook of Mammals of the World. Vol. 6. Lagomorphs and Rodents I.** D.E. Wilson, T.E. Lacher, Jr and R.A. Mittermeier (eds). Lynx Editions, Barcelona, Spain.

Gomez-Ruiz, E.P. and T.E. Lacher, Jr. In press. Modeling the potential geographic distribution of an endangered pollination corridor in Mexico and the United States. **Diversity and Distributions.**

Adamek, K.A., G. Powell and T.E. Lacher, Jr. In press. Conservation challenges for area demanding and umbrella species: The spatial ecology of *Ara chloropterus* in the southwestern Amazon. **Wilson Journal of Ornithology.**

Lacher, T.E., Jr. and P. Byakagaba. In press. Oil, gas, wildlife and communities: capacity building to mitigate conflicts in Uganda. **Applied Biodiversity Sciences Perspective Series.** 6:xxx-xxx.

Christian, C.S. and T.E. Lacher, Jr. In press. Recreation and nature tourism ecological impacts occurring in Dominica's National Park. **Tourism Management.**

Turner, W., G.A.B. da Fonseca, T.M. Brooks, A. Rylands, J. Musinsky, D. Juhn, R. Neugarten, N. de Silva and T.E. Lacher, Jr. In press. The Center for Applied Biodiversity Science (CABS) and Science and Knowledge at Conservation International. In: *A History of Conservation International.* Conservation International, Arlington, VA.

Wood, M.A. R. Sheridan, R.A. Feagin and T.E. Lacher, Jr. Submitted. Assessment of payments for ecosystem services to enhance forest protection in a biological corridor in Costa Rica. **Land Use Policy.**

Wood, M.A., J. Gilbert and T.E. Lacher, Jr. Submitted. The role of payment for environmental services in mammal landscape connectivity. **Biological Conservation.**

Gomez-Ruiz, E.P. and T.E. Lacher, Jr. Submitted. Potential effects of climate change on an endangered pollination corridor. **Nature.**

Neam, K. and T.E. Lacher, Jr. Submitted. The influence of habitat features and landscape context on three-toed sloths in countryside habitats: a multi-scale approach. **Journal of Applied Ecology.**

Lacher, T.E., Jr., A. Davidson, T. Fleming, E.P. Gomez-Ruiz, G. McCracken, N. Owen-Smith, C. Peres, and S. Vander Wall. In review. Mammals as drivers of ecosystem processes. **Journal of Mammalogy.**

Adamek, K.A., G. Powell, T.E. Lacher, Jr. and Suzanne Palminteri. In review. Sympatry in large macaws in the southwestern Amazon, a squeeze or an easy fit: dietary indications.

Ortêncio-Filho, H., I. Castro Arellano and T.E. Lacher, Jr. In Review. Temporal niche overlap patterns in communities of bats in fragmented forests in the Southern Atlantic Rain Forest.

Manuscripts with Data Collected, Writing in Progress

Aguiar, J.M. and T. E. Lacher, Jr. In prep. River barriers and patterns of morphological diversification in Amazonian marmosets.

Aguiar, J.M., J. Gilbert and T. E. Lacher, Jr. In prep. Amazonian marmosets and the effectiveness of the current conservation network.

Goldstein, M.I. and T.E. Lacher, Jr. In prep. Patterns of avian richness and abundance on managed forests in East Texas: implications for regional management.

Land, T.S., D.R. Clark, Jr., and T.E. Lacher, Jr. In prep. Seasonal emergence of insectivorous bats in central Texas and risk of exposure to contaminants.

Parker, M.L., T.E. Lacher, Jr., and D.R. Clark, Jr. In prep. Ecotoxicological assessment of pesticide exposure in populations of the Rio Grande leopard frog (*Rana berlandieri*) in South and West Texas.

Weber, L.S. and T.E. Lacher, Jr. In prep. A toolkit for effective natural resource conservation through meaningful collaboration.

Weber, L.S. and T.E. Lacher, Jr. In prep. Value constructs in natural resources conservation: individualism and collectivism.

Weber, L.S. and T.E. Lacher, Jr. In prep. Language, perceived knowledge, and locus of control in natural resource conservation.

IUCN Red List Assessments (Published on www.iucnredlist.org)

Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Ammospermophilus harrisii*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Ammospermophilus interpres*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Ammospermophilus leucurus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Timm, R., Álvarez-Castañeda, S., Castro-Arellano, I. & Lacher, T. 2008. *Baiomys taylori*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Reis, M. & Lacher, T. 2008. *Carterodon sulcidens*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus arenarius*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus artus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus baileyi*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus californicus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus dalquesti*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus eremicus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus fallax*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus formosus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2010. *Chaetodipus goldmani*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus hispidus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus intermedius*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus nelsoni*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus penicillatus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus pernix*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus rudinoris*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Chaetodipus spinatus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Cratogeomys fulvescens*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Cratogeomys fumosus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Cratogeomys goldmani*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Cratogeomys merriami*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Cratogeomys perotensis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Cynomys mexicanus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Dipodomys deserti*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Dipodomys gravipes*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Dipodomys insularis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Dipodomys margaritae*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Dipodomys merriami*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Dipodomys nelsoni*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Dipodomys phillipsii*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Dipodomys simulans*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Frey, J. & Lacher, T. 2008. *Dipodomys spectabilis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Hafner, D.J., Timm, R. & Lacher, T. 2008. *Geomys arenarius*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

- Hafner, D.J., Timm, R. & Lacher, T. 2008. *Geomys personatus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Geomys tropicalis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Habromys chinanteco*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Habromys delicatulus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Habromys ixtlani*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Habromys lepturus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Habromys schmidlyi*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Habromys simulatus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Handleyomys melanotis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Hodomys alleni*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Patterson, B. & Lacher, T. 2012. *Isotrix barbarabrownae*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Liomys irroratus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E., Arroyo-Cabrales, J. & de Grammont, P.C. 2008. *Megadontomys nelsoni*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Microtus californicus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2010. *Microtus quasiater*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Neotoma albigula*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Neotoma bryanti*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Neotoma bunkerii*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Neotoma devia*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Neotoma lepida*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Neotoma leucodon*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Neotoma macrotis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Neotoma martinensis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Neotoma micropus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Onychomys arenicola*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Onychomys torridus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Oryzomys nelsoni*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Perognathus amplus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Perognathus flavescens*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Perognathus flavus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Perognathus merriami*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Peromyscus boylii*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Peromyscus californicus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus caniceps*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Peromyscus crinitus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus dickeyi*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Peromyscus eremicus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Peromyscus fraterculus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Peromyscus gratus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus guardia*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus interparietalis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus madrensis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E., Arroyo-Cabrales, J. & de Grammont, P.C. 2008. *Peromyscus melanocarpus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus melanophrys*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus melanotis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus melanurus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Peromyscus merriami*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Peromyscus nasutus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Peromyscus pectoralis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Peromyscus pembertoni*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus perfulvus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Peromyscus polius*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus pseudocrinitus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Peromyscus sagax*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Peromyscus schmidlyi*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Peromyscus simulus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Peromyscus zarhynchus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Timm, R., Lacher, T. & Álvarez-Castañeda, S.T. 2008. *Reithrodontomys bakeri*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Reithrodontomys burti*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Reithrodontomys chrysopsis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Reithrodontomys hirsutus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Reithrodontomys montanus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Reithrodontomys zacatecae*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Rheomys mexicanus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Patterson, B. & Lacher, T. 2011. *Santamartamys rufodorsalis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Sciurus arizonensis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Sciurus griseus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Sciurus oculatus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Sigmodon arizonae*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Sigmodon fulviventer*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Sigmodon leucotis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Sigmodon mascotensis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Sigmodon ochrognathus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Sigmodon planifrons*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Spermophilus annulatus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Spermophilus atricapillus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Spermophilus beecheyi*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Spermophilus madrensis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Spermophilus mexicanus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Spermophilus perotensis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Spermophilus spilosoma*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Spermophilus tereticaudus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Spermophilus variegatus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Tamias bulleri*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Tamias dorsalis*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T. & Vázquez, E. 2008. *Tamias durangae*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Tamias merriami*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T., Castro-Arellano, I. & Lacher, T. 2008. *Tamias obscurus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Thomomys bottae*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Linzey, A.V., Timm, R., Álvarez-Castañeda, S.T. & Lacher, T. 2008. *Thomomys umbrinus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Bonvicino, C. & Lacher, T. 2008. *Thrichomys pachyurus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Xenomys nelsoni*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.
- Álvarez-Castañeda, S.T., Castro-Arellano, I., Lacher, T., Vázquez, E. & Arroyo-Cabrales, J. 2008. *Zygoeomys trichopus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>.

Technical Reports/Instructional Material/Popular Articles/Software

- Kendall, R.J., L. Brewer, R. Mayer, W. Wilson, R. Young, and T.E. Lacher, Jr. 1986. A field test protocol for assessment of exposure and response of avian species that are associated with a turf application of Diazinon AG-500. Final report to Ciba-Geigy Corporation, January, 1986. Institute of Wildlife Toxicology, Western Washington University, 20 pp.
- Kendall, R.J., T.E. Lacher, Jr., R.R. Hitchcock, D.E. Dix, R.W. Thompson, J. Bussiere, R.K. Schoen, and C. Bens. 1988. Ingestion characteristics of northern bobwhite (*Colinus virginianus*) presented with colored and/or flavored Celatom MP-79 granules. Final report to Ciba-Geigy Corp., Agricultural Division, February, 1988, 36 pp.
- Kendall, R.J., L.W. Brewer, T.E. Lacher, Jr., B.T. Marden, and M.L. Whitten. 1988. Effectiveness of nest boxes in the determination of pesticide impacts on birds: methyl parathion effects on starling reproductive biology as an example. Report to US Environmental Protection Agency, March 1988, 91 pp.
- E. Block and Lacher, T.E., Jr. 1988. Biology 325: Ecology Lab Manual. Department of Biology, Western Washington University.

Lacher, T.E., Jr. and C.J. Pickreign. 1988. Population genetics: a primer. Instructional software package for classroom use.

Lacher, T.E., Jr. and R. Brown. 1988. Population biology: a primer. Instructional software package for classroom use.

Carlock-Anderson, L., G.P. Cobb, T.E. Lacher, Jr., M.J. Hooper, and R.J. Kendall. 1989. Brain cholinesterase depression and recovery in Northern Bobwhite (*Colinus virginianus*) within 48 hours after exposure to COUNTER^R systemic insecticide-nematicide. Report to American Cyanamid Company, Agricultural Research Division, January, 1989, 50 pp.

Kendall, R.J., L.W. Brewer, T.E. Lacher, Jr., B.T. Marden, and M.L. Whitten. 1989. The use of starling nest boxes for field reproductive studies: Provisional guidance document and technical support document. Report to USEPA, Corvallis Environmental Research Laboratory, February 28, 1989, 82 pp.

Kendall, R.J., D.M. Norman, S. Tank, P.T. Haug, H. Webber, T.E. Lacher, Jr., and C.M. Bens. 1989. A review of environmental contaminant studies in Washington inland marine waters wildlife with recommendations for future research. Volume I: Part 1-Report and recommendations, and Part 2-WILDBIB, 266 pp. and Volume II: Part 3- WILDTOX, 215 pp. Report to USEPA Region 10 Office of Puget Sound, Seattle, WA.

Lacher, T.E., Jr. 1989. Programming, evaluation, and future needs in animal ecology, the Pantanal. Instituto Interamericano de Cooperação Para A Agricultura and EMBRAPA. Misc. Publ. Series No. A4/BR-89-014. ISSN- 0534-0591, Brasília, Brazil.

Lacher, T.E., Jr., D. Ypma, and R.J. Kendall. 1990. The development of new methodologies in avian field testing: multivariate approaches to analysis of reproductive data and mathematical modeling of long term population effects. Report to the American Cyanamid Company, Agricultural Research Division, December, 1990.

Lacher, T.E., Jr. 1991. Ecological theory and modeling and their applications to wildlife toxicology. Pp. 120-133 **In:** Wildlife Toxicology. T.T. Buerger and R.J. Kendall (eds.), Teaching Manual for the Institute of Wildlife and Environmental Toxicology, Clemson University, 223 pp.

Lacher, T.E., Jr. 1993. Springfield and the environment. **LIAT Islander** (In-flight magazine of Leeward Islands Air Transport), September, 1993.

Kendall, R.J., C. Bunck, B. Daniel, C. Driver, C. Grue, T.E. Lacher, Jr., F. Leighton, W. Stansley, P.G. Watanabe, and M. Whitworth. 1995. An ecological risk assessment of lead shot exposure in non-waterfowl species: upland game birds, passerines, and raptors. Report to the National Shooting Sports Foundation, May, 1995.

Goldstein, M.G., R.N. Wilkins, T.E. Lacher, Jr., and T.T. Dillard. 2000. Spatio-Temporal Responses of Reptiles and Amphibians to Timber Harvest Treatments in Bottomland Hardwood Forests in East Texas. Report to the National Council for Air and Stream Improvement, August, 2000.

Mittermeier, R.A. et al. (42 authors). 2003. Hotspots Revisited. Conservation International, Washington, DC.

T.E. Lacher, Jr. 2004. Integrated Monitoring Array Design and Placement Protocol, Version 1. Tropical Ecology, Assessment, and Monitoring Initiative, Center for applied Biodiversity Science, Conservation International. Archived and no longer posted on <http://www.teamnetwork.org/en/protocols>.

T.E. Lacher, Jr. 2004. . Tropical Ecology, Assessment, and Monitoring Initiative, Center for applied Biodiversity Science, Conservation International Archived and no longer posted on <http://www.teamnetwork.org/en/protocols>.

T.E. Lacher, Jr. 2004. Primate Monitoring Protocol, Version 1. Tropical Ecology, Assessment, and Monitoring Initiative, Center for applied Biodiversity Science, Conservation International. Posted on <http://www.teamnetwork.org/en/protocols>.

T.E. Lacher, Jr. 2008. 3.1. Tropical Ecology, Assessment, and Monitoring Initiative, Center for applied Biodiversity Science, Conservation International Posted on <http://www.teamnetwork.org/en/protocols>.

IUCN Red List Committee. 2013. The IUCN Red List Of Threatened Species™ Strategic Plan 2013-2020. Version 1.0. Prepared by the IUCN Red List Committee.