

## LAURA GOUGH

### Current Address

Department of Biology  
University of Texas at Arlington  
Box 19498  
Arlington, TX 76019

phone: (817) 272-1453  
FAX: (817) 272-2855  
e-mail: [gough@uta.edu](mailto:gough@uta.edu)

### Professional Experience

Sep. 2005-  
Aug. 2008-Aug. 2009 Associate Professor, Department of Biology, University of Texas at Arlington  
Program Director, Ecological Biology Cluster, Division of Environmental  
Biology, National Science Foundation, Arlington, Virginia

Sep. 2002-Aug. 2005 Assistant Professor, Department of Biology, University of Texas at Arlington  
Sep. 2002-Aug. 2005 Adjunct Assistant Professor, Department of Biological Sciences, University of  
Alabama, Tuscaloosa

Jan. 1999-Aug. 2002 Assistant Professor, Department of Biological Sciences, University of Alabama,  
Tuscaloosa

Oct. 1996-Dec. 1998 Postdoctoral Scientist, The Ecosystems Center, Marine Biological Laboratory,  
Woods Hole, Massachusetts

### Education

1991-1996 Louisiana State University, Baton Rouge, Louisiana  
Ph.D., Plant Biology, minor: Experimental Statistics

1986-1990 Brown University, Providence, Rhode Island  
Sc.B., Biology, with Honors

### Funding History

2009-2013 NSF, Office of Polar Programs Grant, "ARRA: Collaborative Research: A Biotic  
Awakening: How Do Invertebrates, Microbes, and Plants Determine Soil Organic Matter  
Responses to Release from Nutrient Limitation in Arctic Tundra" \$225,550, PI/PD (with  
J.C. Moore, M. Wallenstein, and W. Parton, Colorado State University)

2004-2009 NSF, Office of Polar Programs Grant, "Collaborative Research: Above- and  
Belowground Community Responses to Climate Change in Arctic Tundra" \$152,000,  
PI/PD (with J.C. Moore, Colorado State University)

2004-2005 University of Texas at Arlington, Research Enhancement Program, "The Influence of  
Management Regime and Invasion by Non-native Species on Native Prairie Grass  
Growth in North Central Texas" \$9,722, PI

2002-2006 NSF, Office of Polar Programs Grant, "ADVANCE Fellows Award: Continuing and  
Enhancing a Career in Arctic Ecology Research and Education" \$449,500, PI/PD

2000 NSF, Research Experience for Undergraduates (REU) Supplement to Polar Programs  
Grant, \$6,750, PI/PD

2000 NSF, REU Supplement to Ecology Program Grant, \$5,000, PI/PD

- 1999-2003 NSF, Office of Polar Programs Grant, "Collaborative Research: Moist Acidic vs. Non-acidic Tundra: Why Does the Vegetation Composition Differ and What Are the Consequences for Ecosystem Carbon Storage?" \$180,000, PI/PD (with S.E. Hobbie, University of Minnesota)
- 1999-2003 NSF, Ecology Program Grant, "Collaborative Research: Competitive Ability of Clonal Plants: The Roles of Clonal Integration and Ramet Aggregation in Structuring Plant Communities" \$55,000, PI/PD (with D.E. Goldberg, University of Michigan)
- 1999-2001 University of Alabama, Center for Freshwater Studies Grant, "Interdisciplinary Approach to Assessing Interactions Between Riparian Vegetation and Fluvial Geomorphic Processes in a Coastal Plain Stream, West-Central Alabama" \$36,000, co-PI (with D.A. Cenderelli, Dept. of Geological Sciences, University of Alabama)
- 1999-2000 University of Alabama, School of Mines and Energy Development Grant, "Changes in Forested Wetlands of Alabama Caused by Beaver Activity" \$17,600, PI/PD
- 1993-1995 NSF, Ecology Program, Doctoral Dissertation Improvement Grant, "Development of a Model of Wetland Community Structure: Experimental Testing and Evaluation" \$6,330, PI: James B. Grace
- 1989 Brown University Biomedical Support Grant for Undergraduate Research

#### Honors and Awards

- 2008 Provost's Research Excellence Award, UTA
- 2007 Provost's Research Excellence Award, UTA
- 2006 Provost's Research Excellence Award, UTA
- 2004 Professor of the Year, Phi Sigma, Biology Graduate Student Honor Society, UTA
- 1996 Outstanding Biology Teaching Assistant Award, LSU
- Introductory biology labs for non-majors, 1995-6 academic year
- 1991-1995 Board of Regents Fellowship, LSU

#### Peer-Reviewed Journal Articles

- Cherry, J.A. and L. Gough. 2009. Trade-offs in plant responses to herbivory influence trophic routes of production in a freshwater wetland. *Oecologia* 161: 549-557.
- Wookey, P.A., R. Aerts, R.D. Bardgett, F. Baptist, K.A. Bråthen, H. Cornelissen, L. Gough, I. Hartley, D. Hopkins, S. Lavorel, S.F. Oberbauer, G.R. Shaver, and CAT-B Participants. 2009. Climate change-induced feedback mechanisms drive ecosystem responses in a greening Arctic. *Global Change Biology* 15: 1153-1172.
- Collins, S.L., K.N. Suding, E.E. Cleland, M. Batty, S.C. Pennings, K.L. Gross, J.B. Grace, L. Gough, J.E. Fargione, and C.M. Clark. 2008. Rank clocks and plant community dynamics. *Ecology* 89: 3534-3541.
- Cleland, E.E., C.M. Clark, S.L. Collins, J.E. Fargione, L. Gough, K.L. Gross, D.L. Milchunas, S.V. Pennings, W.D. Bowman, I.C. Burke, W.K. Lauenroth, G.P. Robertson, J.C. Simpson, G.D. Tilman, and K.N. Suding. 2008. Species responses to nitrogen fertilization in herbaceous plant communities, and associated species traits. *Ecology* 89:1175.
- Gough, L., K. Shrestha, D.R. Johnson, and B. Moon. 2008. Long-term mammalian herbivory and nutrient addition alter lichen community structure in Alaskan dry heath tundra. *Arctic, Antarctic, and Alpine Research* 40:65-73.
- Clark, C.M., E.E. Cleland, S.L. Collins, J.E. Fargione, L. Gough, K.L. Gross, S.C. Pennings, K.N. Suding, and J.B. Grace. 2007. Environmental and plant community determinants of species loss following nitrogen enrichment. *Ecology Letters* 10:596-607.

- Wildová, R., L. Gough, T. Herben, C. Hershock and D.E. Goldberg. 2007. Architectural and growth traits differ in effects on performance of clonal plants: an analysis using a field-parameterized simulation model. *Oikos* 116:836-852.
- Gough, L., E.A. Ramsey, and D.R. Johnson. 2007. Plant-herbivore interactions in Alaskan arctic tundra change with soil nutrient availability. *Oikos* 116:407-418.
- Cherry, J.A. and L. Gough. 2006. Contribution of seed bank to vascular plant assemblages on temporary floating islands. *Aquatic Botany* 85:29-36.
- Gough, L. 2006. Neighbor effects on germination, survival, and growth in two arctic tundra plant communities. *Ecography* 29:44-56.
- Pennings, S.C., C.M. Clark, E.E. Cleland, S.L. Collins, L. Gough, K.L. Gross, D.A. Milchunas, and K.N. Suding. 2005. Do individual plant species show predictable responses to nitrogen addition across multiple experiments? *Oikos* 110:547-555.
- Hobbie, S.E., L. Gough, and G.R. Shaver. 2005. Species compositional differences on different-aged glacial landscapes drive contrasting responses of tundra to nutrient addition. *Journal of Ecology* 93: 770-782.
- Suding, K.N., S.L. Collins, L. Gough, C.M. Clark, E.E. Cleland, K.L. Gross, D.A. Milchunas, and S.C. Pennings. 2005. Functional and abundance based mechanisms explain diversity loss due to soil fertilization. *Proceedings of the National Academy of Science* 102: 4387-4392.
- Hobbie, S.E. and L. Gough. 2004. Litter decomposition in moist acidic and non-acidic tundra with different glacial histories. *Oecologia* 140: 113-124.
- Herbert, D.A., E.B. Rastetter, L. Gough and G.R. Shaver. 2004. Species diversity along nutrient gradients: an analysis of resource competition in model ecosystems. *Ecosystems* 7: 296-310.
- Pauliukonis, N. and L. Gough. 2004. Field evidence of limited clonal integration in four sedges that differ in ramet aggregation. *Plant Ecology* 173: 1-15.
- Gough L. and S.E. Hobbie. 2003. Responses of moist non-acidic arctic tundra to altered environment: productivity, biomass, and species richness. *Oikos* 102: 204-216.
- van Wijk, M.T., K.E. Clemmensen, G.R. Shaver, M. Williams, T.V. Callaghan, F.S. Chapin, III, J.H.C. Cornelissen, L. Gough, S.E. Hobbie, S. Jonasson, J.A. Lee, A. Michelsen, M.C. Press, S.J. Richardson, and H. Rueth. 2003. Long-term ecosystem level experiments at Toolik Lake, Alaska and at Abisko, Northern Sweden: Generalisations and differences in ecosystem and plant type responses to global change. *Global Change Biology* 10: 105-123.
- van Wijk, M.T., M. Williams, L. Gough, S.E. Hobbie, and G.R. Shaver. 2003. Luxury consumption of soil nutrients: a possible competitive strategy in above-ground and below-ground biomass allocation and root morphology for slow-growing arctic vegetation? *Journal of Ecology* 91:664-676.
- Gough, L., P.A. Wookey, and G.R. Shaver. 2002. Dry heath arctic tundra responses to long-term nutrient and light manipulation. *Arctic, Antarctic, and Alpine Research* 34:211-218.
- Gough, L., D.E. Goldberg, C. Hershock, N. Pauliukonis, and M. Petru. 2002. Investigating the community consequences of competition among clonal plants. *Evolutionary Ecology* 15:547-563.
- Hobbie, S.E. and L. Gough. 2002. Foliar and soil nutrients in tundra on glacial landscapes of contrasting ages in northern Alaska. *Oecologia* 131: 453-462.
- Shaver, G.R., M.S. Bret-Harte, M.H. Jones, J. Johnstone, L. Gough, J. Laundre, and F.S. Chapin, III. 2001. Species composition interacts with fertilizer to control long-term change in tundra productivity. *Ecology* 82:3163-3181.
- Mittelbach, G.G., C.F. Steiner, S.M. Scheiner, K.L. Gross, H.L. Reynolds, R.B. Waide, M.R. Willig, S.I. Dodson, and L. Gough. 2001. What is the observed relationship between species richness and productivity? *Ecology* 82:2381-2396.
- Thompson, J.N., O.J. Reichman, P.J. Morin, G.A. Polis, M.E. Power, R.W. Sterner, C.A. Couch, L. Gough, R. Holt, D.U. Hooper, F. Keesing, C.R. Lovell, B.T. Milne, M.C. Molles, D.W. Roberts, and S.Y. Strauss. 2001. Frontiers of ecology. *BioScience* 51:15-24.

- Gough, L., C.W. Osenberg, K.L. Gross, and S.L. Collins. 2000. Fertilization effects on species density and primary productivity in herbaceous plant communities. *Oikos* 89:428-439.
- Gross, K.L., M.R. Willig, L. Gough, R. Inouye, and S. Cox. 2000. Patterns of species diversity and productivity at different spatial scales in herbaceous plant communities. *Oikos* 89:417-427.
- Gough, L., G.R. Shaver, J. Carroll, D. Royer, and J.A. Laundre. 2000. Vascular plant species richness in Alaskan arctic tundra: the importance of soil pH. *Journal of Ecology* 88:54-66.
- Gough, L. and J.B. Grace. 1999. Effects of environmental change on plant species density: comparing predictions with experiments. *Ecology* 80:882-890.
- Waide, R.B., M.R. Willig, G. Mittelbach, C. Steiner, L. Gough, S.I. Dodson, G.P. Juday, and R. Parmenter. 1999. The relationship between productivity and species richness. *Annual Review of Ecology and Systematics* 30:257-300.
- Rastetter, E.B., L. Gough, A.E. Hartley, D.A. Herbert, K.J. Nadelhoffer, and M. Williams. 1999. A revised assessment of species redundancy and ecosystem reliability. *Conservation Biology* 13:440-443.
- Gough, L. and J.B. Grace. 1998. Effects of flooding, salinity, and herbivory on coastal plant communities, Louisiana, USA. *Oecologia* 117:527-535.
- Gough, L. and J.B. Grace. 1998. Herbivore effects on plant species density at varying productivity levels. *Ecology* 79:1586-1594.
- Gough, L. and J.B. Grace. 1997. The influence of vines on an oligohaline marsh community: results of a removal and fertilization study. *Oecologia* 112:403-411.
- Marrs, R.H., J.B. Grace, and L. Gough. 1996. On the relationship between plant species diversity and biomass: a comment on a paper by Gough, Grace, and Taylor. *Oikos* 75:323-326.
- Gough, L., J.B. Grace, and K.L. Taylor. 1994. The relationship between species richness and community biomass: the importance of environmental variables. *Oikos* 70:271-279.
- Bertness, M.D., L. Gough, and S. Shumway. 1992. Salt tolerances and the distribution of fugitive salt marsh plants. *Ecology* 73:1842-1851.

#### Manuscripts Submitted, In Revision, or In Preparation

- Johnson, D.R. and L. Gough. Submitted. Effects of increased soil nutrients on the herbivory tolerance of two arctic graminoids. *Plant Ecology*.
- Johnson, D.R. and L. Gough. In revision. Herbivore effects on long-term responses of five arctic plant species to higher soil nutrients differ with community context.
- Cleland, E.E., C.M. Clark, S.L. Collins, J.E. Fargione, L. Gough, K.L. Gross, S.C. Pennings, and K.N. Suding. In revision. Functional similarity and soil nitrogen limit invasion in herbaceous plant communities.
- Rout, M.E., L. Gough, and T.H. Chrzanowski. In revision. *Sorghum halepense* displaces the native *Schizachyrium scoparium*: the role of allelopathy.

#### Peer-Reviewed Book Chapters

- Gough, L. In prep. Tundra freshwater wetlands. In Batzer, D. and A. Baldwin (eds.), *Wetland Habitats of North America: Ecology and Conservation Concerns*. University of California Press.
- Keddy, P.A., L. Gough, J.A. Nyman, T. McFalls, J. Carter, and J. Siegrist. 2009. Pelt traders, alligator hunters, and runaway consumption of Gulf Coast marshes: a trophic cascade perspective on coastal wetland losses. pp. 115-133 in Silliman, B.R., M.D. Bertness, and D.R. Strong (eds.), *Human Impacts on Salt Marshes, A Global Perspective*. University of California Press, Berkeley.

#### Workshops and Panels

- 2007 NSF Division of Environmental Biology Ecology Program Advisory Panel

- 2006 NSF Division of Environmental Biology Doctoral Dissertation Improvement Grant Panel  
 2003 Predicting Species Response to Changes in Resource Availability, Sevilleta LTER, New Mexico  
 2003 Predicting Species Response to Changes in Resource Availability, LTER All Scientists Meeting, Seattle, WA  
 2003 Species Responses to N Fertilization: an LTER Synthesis Workshop, hosted at UTA  
 2001 NSF ADVANCE Institutional Transformation Grant Panel  
 2000 NSF Division of Environmental Biology Doctoral Dissertation Improvement Grant Panel  
 1999 NSF Frontiers of Ecology Workshop  
 1996 Analysis of the Relationship Between Productivity and Diversity Using Experimental Results from the Long-Term Ecological Research Network, Working Group, National Center for Ecological Analysis and Synthesis, Santa Barbara, CA

#### Invited Talks

- 2004 Department of Biology and Biochemistry, University of Houston, TX  
 2004 Environmental Science Program, Southern Methodist University, Dallas, TX  
 2003 Botanical Research Institute of Texas, Ft. Worth, TX  
 2000 Dauphin Island Sea Lab, AL  
 1998 Department of Biology, University of Michigan, Ann Arbor, MI  
 1998 Department of Ecology and Evolutionary Biology, Brown University, Providence, RI  
 1997 International Tundra Experiment Annual Workshop, Royal Holloway College, England  
 1997 Kellogg Biological Station, Michigan State University, Hickory Corners, MI  
 1997 The Ecosystems Center, Woods Hole, MA  
 1995 Department of Botany, University of Reading, England  
 1995 Ness Botanic Gardens, University of Liverpool, England

#### Invited Symposium Papers

- Gough, L. The cutting edge: Writing successful research grant proposals, Symposium on Essential Skills for Success in Wetland Science, Society of Wetland Scientists, Annual Meeting, Madison, WI, 2009.  
 Gough, L. The role of clonal plant growth form in community response to environmental change. Symposium on Clonal Plant Ecology, Ecological Society of America, Annual Meeting, Memphis, TN, 2006.

#### Contributed Papers and Posters

- Gough, L., J.C. Moore, G.R. Shaver, R.T. Simpson, and D.R. Johnson. An aboveground and belowground test of EEH in Alaskan arctic tundra. Ecological Society of America, Annual Meeting, Albuquerque, NM, 2009.  
 Spasojevic, M.J., S.C. Pennings, S.L. Collins, C. Clark, E. Cleland, L. Gough, K.L. Gross, and K.N. Suding. Predicting community response to N-enrichment with SLA: a multisystem test. Ecological Society of America, Annual Meeting, Albuquerque, NM, 2009.  
 Collins, S., K. Suding, E. Cleland, M. Batty, S.C. Pennings, K.L. Gross, J.B. Grace, L. Gough, J.E. Fargione, and C. Clark. Rank clocks and plant community dynamics. Ecological Society of America, Annual Meeting, San Jose, CA, 2007.  
 Cleland, E., K. Suding, C. Clark, S. Collins, J. Fargione, L. Gough, J. Grace, K. Gross, and S. Pennings. Crashing the party: non-native plant species have different traits than native species in a cross-site synthesis of fertilization studies. Ecological Society of America, Annual Meeting, Memphis, TN, 2006.

- Johnson, D., L. Gough, and E. Ramsey. Nutrient amendment and herbivory interact differently for five arctic Alaska plant species. Ecological Society of America, Annual Meeting, Memphis, TN, 2006.
- Clark, C.M., E.E. Cleland, S.L. Collins, J. Fargione, L. Gough, J. Grace, K.L. Gross, D. Milchunas, S. Pennings and K.N. Suding. Predicting the loss of biodiversity with nitrogen addition cross North American grasslands: abiotic vs. biotic drivers. Ecological Society of America, Annual Meeting, Montreal, 2005.
- Fargione, J., S. Pennings, C. Clark, E. Cleland, L. Gough, J. Grace, K. Gross, S. Collins, and K. Suding. A negative relationship between species richness and productivity response to N addition in a synthesis of N fertilization studies. Ecological Society of America, Annual Meeting, Montreal, 2005.
- Rout, M. and L. Gough. *Sorghum halepense* displaces the common native prairie grass *Schizachyrium scoparium*: the possible role of allelopathy. Ecological Society of America, Annual Meeting, Montreal, 2005.
- Cherry, J.A. and L. Gough. The effects of herbivory on growth, production, and resource allocation in *Nymphaea odorata*. Ecological Society of America, Annual Meeting, Portland, OR, 2004.
- Gough, L. Can we predict plant response to nitrogen based on clonality? LTER All Scientists Meeting, Seattle, WA, 2003.
- Gough, L. Ongoing research in populations and communities at the Arctic LTER. LTER All Scientists Meeting, Seattle, WA, 2003.
- Goldberg, D.E., L. Gough and C. Hershock. Traits determining competitive ability in clonal plants. Seventh Clonal Plant Workshop, Kuusamo, Finland, 2003.
- Hobbie, S. E. and L. Gough. The influence of glacial history on ecosystem processes in arctic Alaskan tundra. Carey Conference X, Ecosystem Function in Heterogeneous Landscapes, Institute for Ecosystem Studies, Millbrook, NY, 2003 (poster).
- Gough, L. and S.E. Hobbie. Effects of four years of warming and fertilization on species-rich moist non-acidic tundra in Alaska. Ecological Society of America, Annual Meeting, Tucson, AZ, 2002.
- Cherry, J.A. and L. Gough. Changes in emergent plant community composition after a natural substrate disturbance in an Alabama lake. Ecological Society of America, Annual Meeting, Tucson, AZ, 2002 (poster).
- Cherry, J.A. and L. Gough. The effects of herbivory on the growth and production of *Nymphaea odorata*. Society of Wetland Scientists, Annual Meeting, Lake Placid, NY, 2002.
- Pauliukonis, N. and L. Gough. The effects of rhizome severing on growth of four clonal sedges that differ in ramet aggregation. Society of Wetland Scientists, Annual Meeting, Lake Placid, NY, 2002.
- Cherry, J.A. and L. Gough. The effects of herbivory on the growth and production of *Nymphaea odorata*. Association of Southeastern Biologists, Annual Meeting, Boone, NC, 2002.
- Gough, L., S.E. Hobbie, and G.R. Shaver. Understanding arctic ecosystem response to climate change: the role of individual species. NSF Arctic System Science All-Hands Meeting, Seattle, WA, 2002 (poster).
- Hobbie, S.E., L. Gough, and G.R. Shaver. Contrasting responses of plant production and biomass to nutrient addition on landscapes with different glacial histories. NSF Land-Atmosphere-Ice Interactions All-Hands Meeting, Salt Lake City, UT, 2001 (poster).
- Gough, L. Response of arctic tundra to nutrient addition and warming: the role of clonal plant growth form. Ecological Society of America, Annual Meeting, Madison, WI, 2001.
- Pauliukonis, N., L. Gough, and D.E. Goldberg. The role of clonal integration in the survival and growth of four wetland plant species. Ecological Society of America, Annual Meeting, Madison, WI, 2001.
- Gough, L. Understanding plant community and ecosystem dynamics through insights from clonal plant biology. Clone 2000: Current Progress and Developments in Clonal Plant Research, Obergurgl, Austria, 2000.

- Pauliukonis, N., L. Gough, and D.E. Goldberg. The effects of clonal integration and community competition on the growth of four clonal sedges in a calcareous fen of southwestern Michigan. Clone 2000: Current Progress and Developments in Clonal Plant Research, Obergurgl, Austria, 2000 (poster).
- Doles, J.L., J. Moore, G.R. Shaver, and L. Gough. The effects of nutrient addition in the arctic tundra on soil and moss-inhabiting mesofauna. Ecological Society of America and British Ecological Society Joint Symposium Meeting, Orlando, FL, 2000 (poster).
- Gough, L. and G.R. Shaver. Plant species diversity, plant biomass, and soil nutrients in acidic and non-acidic Alaskan arctic tundra, Ecological Society of America, Annual Meeting, Spokane, WA, 1999.
- Gough, L. and G.R. Shaver. Why is non-acidic tundra so species rich: an examination of northern Alaska plant communities. Society of Wetland Scientists, Annual Meeting, Anchorage, AK, 1998.
- Gough, L., C.W. Osenberg, K.L. Gross, and S.L. Collins. Fertilization effects on species density, richness, and productivity in herbaceous plant communities. Ecological Society of America, Annual Meeting, Baltimore, MD, 1998.
- Willig, M.W., K.L. Gross, S. Cox, and L. Gough. Scale-dependence in the relationship between productivity and species density of low stature vascular plants. Ecological Society of America, Annual Meeting, Baltimore, MD, 1998.
- Gough, L. and J.B. Grace. The influence of vines on an oligohaline marsh community: results of a removal and fertilization study. Ecological Society of America, Annual Meeting, Providence, RI, 1996.
- Gough, L. and J.B. Grace. Plant species richness changes due to experimental manipulations in a Louisiana coastal marsh. Ecological Society of America, Annual Meeting, Snowbird, UT, 1995.
- Gough, L. and J.B. Grace. The relationship between species richness and community biomass: the importance of environmental variables. Ecological Society of America, Annual Meeting, Madison, WI, 1993.

### Teaching Experience

UTA	Undergraduate: Plant Science (lecture and laboratory) Undergraduate/Graduate: Plant Ecology Graduate: Wetlands Ecology, Ecology Journal Club, Principles of Ecology
UA	Undergraduate: General Ecology, Introductory Biology for Non-Majors Graduate: Statistics in Ecological Research, Community Ecology
LSU	Undergraduate: Biology for Non-Majors Laboratory, General Botany Laboratory

### Graduate Students

Matthew Watson, Ph.D., University of Texas at Arlington, 2005-2008

David Johnson, Ph.D., University of Texas at Arlington, 2003-2008

Julia Cherry, Ph.D., University of Alabama, 2000-2005

Jayne Walton, M.S. student, University of Texas at Arlington, 2009-

Carol Moulton, M.S., University of Texas at Arlington, 2006-2009

Carolyn Hess, M.S., University of Texas at Arlington, 2006-2008

Amie Treuer, M.S., University of Texas at Arlington, 2004-2006

Marnie Rout, M.S., University of Texas at Arlington, 2003-2005

Nijole Pauliukonis Wellendorf, M.S., University of Alabama, 2000-2002

### Editorial Board Service

Appointed member, editorial board of *Ecology* and *Ecological Monographs*, January 2006-August 2008  
 Invited to join editorial board of *Wetlands*, December 2005 (declined)  
 Invited to join editorial board of *Ecology Letters*, December 2001 (declined)

### Manuscript Reviews

*American Journal of Botany, American Naturalist, Annals of Botany, Applied Vegetation Science, Arctic and Alpine Research, Canadian Journal of Botany, Castanea, Community Ecology, Ecography, Ecological Applications, Ecology and Ecological Monographs, Ecology Letters, Ecology and Society, Ecoscience, Ecosystems, Evolutionary Ecology, Folia Geobotanica, Global Change Biology, Global Ecology & Biogeography, Journal of Applied Ecology, Journal of Ecology, Journal of Geophysical Research-Atmospheres, Journal of Vegetation Science, Nature, New Phytologist, Northwest Science, Oecologia, Oikos, Plant and Soil, Plant Ecology, Science, Wetlands*

### Proposal Reviews

National Science Foundation; Ohio Agricultural Research and Development Center; Association for Women in Science Educational Foundation Pre-doctoral Fellowship Proposals; Georgia Sea Grant College Program; U.S. Civilian Research and Development Foundation Georgian-U.S. Bilateral Grants Program; Earthwatch Institute; book proposals to Springer

### Professional Service and Outreach

2007-2008, 2009- Graduate Advisor, Biology Department, UTA  
 2009- Member, NEON Domain Science and Education Coordination Committee for Domain 11 (Southern Plains)  
 2008-2009 Member, U.S. Climate Change Science Program Carbon Cycle Interagency Working Group, representing NSF  
 2004, 2007 Judge, Annual Celebration of Excellence by Students, undergraduate and graduate student oral sessions, UTA  
 2007-2008 Member, Science, Technology, Engineering and Mathematics Gender Equity Committee, UTA  
 2006-2007 Member, Advisory Committee, Biology Department, UTA  
 2006 Chair, Evolutionary Biology/Ecology Search Committee, Biology Department, UTA  
 2006, 2008 Participant in NSF-funded TREC (Teachers and Researchers Exploring and Collaborating) program to match arctic researchers with teachers; sponsored summer research experience at Toolik Lake, AK by Ms. Charla Jordan, junior high school science teacher, Price, TX and Ms. Cathy Campbell, junior high science teacher, Ann Arbor, MI  
 2006-2008 Chair, Graduate Studies Committee, Biology Department, UTA  
 2005-2008 Faculty Mentor, Biology Department, UTA; mentoring three assistant professors in the Biology Department  
 2005-2008 Faculty Mentor, UTA; mentoring one assistant professor in another college  
 2005- Member, Promotion and Tenure Committee, Biology Department, UTA  
 2005- Chair, Greenhouse Committee, Biology Department, UTA  
 2005- Member, Computer Committee, Biology Department, UTA  
 2004-2005 Faculty Advisor, National Science Teachers Association, UTA Chapter  
 2004 Faculty Mentor, McNair Scholars Program, to Elizabeth Ramsey, Biology major, UTA  
 2003- Appointed Member, Steering Committee and Graduate Studies Committee, Environmental and Earth Sciences Program, UTA

- 2003 Judge, Botany Category, Texas Science and Engineering Fair  
 2002-2006 Member, Graduate Studies Committee, Biology Department, UTA  
 2001, 2002, 2009 Served as Braun/Buell Award judge for outstanding graduate student presentation at Ecological Society of America annual meeting  
 2001 Presided over session entitled "Elevated CO<sub>2</sub> and Global Change" at Ecological Society of America annual meeting  
 2001 Invited reviewer of Niwot Ridge LTER site (declined because of prior research commitments in Alaska)  
 2000-2001 Member, Curriculum Committee, Department of Biological Sciences, UA  
 2000 Initiated and organized Department of Biological Sciences undergraduate research poster session, UA  
 1999-2001 Initiated and coordinated the Teaching Advancement Program (TAP), Department of Biological Sciences, UA; mentoring program for graduate students to teach several lectures in introductory biology courses  
 1997, 1998 Organized "Toolik Talking Shop," weekly series for investigators to present brief talks about arctic research at Toolik Lake, Alaska; organized REU poster session, Toolik Lake LTER  
 1997-1998 Coordinator, Ecosystems Center Seminar Series, MBL

#### Additional Education, Service and Outreach

- 2009 Science Day volunteer, Bannockburn Elementary School, Bethesda, MD  
 2006-2008 Nature walk leader for preschool students at Smart Start Preschool, Coppell, TX  
 2006 Participant in Toyota TAPESTRY proposal (with the National Science Teachers Association) from Reagan Middle School, Grand Prairie, TX to request funding for an outdoor learning center and wetland restoration project  
 2005, 2006 Guest Speaker on Women in Science in UTA Course "Contemporary Science" for current secondary science teachers pursuing a master's degree  
 1993-6, 2003, 2005-2008 Prospective student interviewer, National Alumni in Schools Program, Brown University  
 2003, 2004 Guest Speaker in UTA Education/Women's Studies Course "Women in Science"  
 2000 Presentation on Global Change in the Arctic to Tuscaloosa Audubon Society  
 1995 Women's Center Advisory Board, LSU, appointed member  
 1992-1994 Women's and Gender Studies Outreach Committee, LSU, appointed member  
 1992-1993 Dean of Students' Safer Campus Committee, LSU, appointed member

#### Professional Societies

Botanical Society of America  
 British Ecological Society  
 Ecological Society of America  
 International Association of Vegetation Scientists  
 Society of Wetland Scientists