

CURRICULUM VITAE

Robert A. Slesak

651-395-1058
raslesak@umn.edu

Site-level Program Manager, Minnesota Forest Resources Council
Adjunct Assistant Professor, Department of Forest Resources, University of Minnesota

Research and Professional Emphasis

Applied forest ecology and forest soils with research focused on sustainable resource management and forest stewardship, biophysical processes influencing ecosystem functions, effects of management and disturbance on forest ecosystem functions, development of practices and adaptive management to restore or maintain ecosystem functions, and transfer of knowledge and practices for application in operational settings.

Education

- 2008: Ph.D in Forest Soil Science, Department of Forest Engineering, Oregon State University, Corvallis, OR.
- 2004: M.S. in Forest Ecosystem Science, State University of New York College of Environmental Science and Forestry, Syracuse NY.
- 2002: B.S. in Forest Resources Management; State University of New York College of Environmental Science and Forestry, Syracuse, NY. *summa cum laude*, co-salutatorian
- 2000: A.A.S. in Forest Technology State University of New York College of Environmental Science and Forestry - Ranger School, Wanakena, NY. *magna cum laude*, salutatorian

Professional Experience

- 2008-
Current: Site-level Program Manager, Minnesota Forest Resources Council
- 2008: Post-Doctoral Associate, Department of Forest Engineering, Oregon State University
- 2005-
2008: Graduate Research Assistant, Department of Forest Engineering, Oregon State University
- 2004: Watershed Program Assistant, Onondaga County Soil and Water Conservation District, Skaneateles Lake Watershed Agriculture Program

- 2003-
2004: Graduate Research Assistant, Research Foundation of the State University of New York
2002: Forester (research branch) USDA Forest Service, Hubbard Brook Experimental Station, New Hampshire
2000: Research Assistant, Research Foundation of the State University of New York

Peer-Reviewed Publications

Slesak, R.A., B.J. Palik, A.W. D'Amato, and V.J. Kurth. In review. Changes in soil physical and chemical properties following organic matter removal and compaction: 20-year response of the aspen Lake-States LTSP installations. *Forest Ecology and Management*

Looney, C.E., A.W. D'Amato, B.J. Palik, **R.A. Slesak**, and M.A. Slater. In review. The response of *Fraxinus nigra* forest ground-layer vegetation to emulated emerald ash borer mortality and management strategies in northern Minnesota, USA. *Canadian J. Forest Research*.

Looney, C.E., A.W. D'Amato, B.J. Palik, and **R.A. Slesak**. 2016. Canopy treatment influences growth of replacement tree species in *Fraxinus nigra* forests threatened by emerald ash borer in Minnesota, USA. *Canadian J. Forest Research*. 10.1139/cjfr-2016-0369.

Slesak, R.A., and T. Kaebisch. 2016. Using LiDAR to assess impacts of forest harvest landings on vegetation height and the potential for recovery over time. *Canadian J. Forest Research*. 46(6): 869-875.

Slesak, R.A., T.B. Harrington, D.H. Harrington, D.B. DeBruler, S.H. Schoenholtz, and B.D. Strahm. 2016. Effects of intensive management practices on 10-year Douglas-fir growth, soil nutrient pools, and vegetation communities in the Pacific Northwest, USA. *Forest Ecology and Management*. 365:22-33.

Looney, C.E., A.W. D'Amato, B.J. Palik, and **R.A. Slesak**. 2015. Overstory treatment and planting season affect survival of replacement tree species in emerald ash borer-threatened *Fraxinus nigra* forests in Minnesota, USA. *Canadian Journal forest Research*. 45:1728-1738.

Slesak, R.A., T.B. Harrington, and A.W. D'Amato. 2015. Invasive Scotch broom alters soil chemical properties in Douglas-fir forests of the Pacific Northwest, USA. *Plant and Soil* DOI: 10.1007/s11104-015-2662-7.

Telander, A.C., **R.A. Slesak**, A.W. D'Amato, B.J. Palik K.N. Brooks, and C.F. Lenhart. 2015. Sap flow of black ash in wetland forests of northern Minnesota, U.S.A.: hydrologic implications of tree mortality due to emerald ash borer. *Agricultural and Forest Meteorology* 206:4-11.

Slesak, R.A., S.H. Schoenholtz, and D. Evans. 2015. Hillslope erosion two and three years after wildfire, skyline salvage logging, and site preparation in southern Oregon, USA. *Forest Ecology and Management* 342:1-7.

Kurth, V.J., J.B. Bradford, **R.A. Slesak**, and A.W. D'Amato. 2014. Initial soil respiration response to biomass harvesting and green-tree retention in aspen-dominated forests of the Great Lakes region. *Forest Ecology and Management* 328:342-352.

Slesak, R.A., C. Lenhart, K. Brooks, A.W. D'Amato, and B. Palik. 2014. Water table response to simulated emerald ash borer mortality and harvesting in black ash wetlands, Minnesota USA. *Canadian Journal Forest Research* 44:961-968.

Slesak, R.A. 2013. Soil temperature following logging-debris manipulation and aspen regrowth in Minnesota: implications for sampling depth and alteration of soil processes. *Soil Science Society of America Journal* 77:1818-1824.

Harrington, T.B., **R.A. Slesak**, and S.H. Schoenholtz. 2013. Variation in logging debris cover influences competitor abundance, resource availability, and early growth of planted Douglas-fir. *Forest Ecology and Management* 296:41-52.

Devine, W.D., T.B. Harrington, T.A. Terry, R.B. Harrison, **R.A. Slesak**, D.H. Peter, C.A. Harrington, C.J. Shilling, S.H. Schoenholtz. 2011. Five-year vegetation control effects on aboveground biomass and nitrogen content and allocation in Douglas-fir plantations on three contrasting sites. *Forest Ecology and Management* 262:2187-2198.

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. 2011. Soil C and nutrient pools of Douglas-fir plantations five years after manipulating biomass and competing vegetation in the Pacific Northwest. *Forest Ecology and Management* 262:1722-1728.

Slesak, R.A., S.H. Schoenholtz, T.B. Harrington, and N.A. Meehan. 2011. Initial response of soil carbon and nitrogen to harvest intensity and competing vegetation control in Douglas-fir (*Pseudotsuga menziesii*) plantations of the Pacific Northwest. *Forest Science* 57(1):26-35.

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. 2010. Soil respiration and carbon responses to logging debris and competing vegetation. *Soil Science Society America Journal* 74(3):936-946.

Slesak, R.A. and R.D. Briggs. 2010. Foliar mass and nutrition of *Abies concolor* Christmas trees following application of organic and inorganic fertilizer. *Northern Journal Applied Forestry* 27(1): 28-33.

Slesak, R.A, T.B. Harrington, and S.H. Schoenholtz. 2010. Soil and Douglas-fir (*Pseudotsuga menziesii*) foliar nitrogen responses to logging-debris retention and competing vegetation control in the Pacific Northwest. *Canadian Journal Forest Research* 40:254-264.

Slesak, R.A., S.H. Scheenholtz, T.B. Harrington, and B.D. Strahm. 2009. Dissolved carbon and nitrogen leaching following variable logging-debris retention and competing vegetation control in Douglas-fir plantations of western Oregon and Washington. *Canadian Journal Forest Research* 39:1484-1497.

Slesak, R.A. and R.D. Briggs. 2007. Christmas tree response to N fertilization and the development of critical foliar N levels in New York. *Northern Journal Applied Forestry* 24(3):209-217.

Other Publications

Slesak, R.A. 2015. Left behind: why and how we retain leave trees. *Roots newsletter for MN DNR, Div. of Forestry.* March-April issue. St. Paul, MN. 8pp.

Minnesota's Forest Management Guidelines: Quick reference guide. 2014. Developed by Robert A. Slesak. Minnesota Forest Resources Council. St. Paul MN 55108. 84pp.

Hibbard, C.M. and R.A. Slesak. 2012. Economic analysis of proposed changes to Minnesota's forest management guidelines. Minnesota Forest Resources Council. St. Paul, MN. 20pp.

Lenhart, C., K. Brooks, M. Davidson, R. Slesak, and A. D'Amato. 2012. Hydrologic source characterization of black ash wetlands: implications for EAB response. *Proceedings of the American Water Resources Association Summer Specialty Conference Riparian Ecosystems IV: Advancing Science, Economics and Policy.* Denver, CO June 27-29, 2012.

Hibbard, C.M. and R.A. Slesak. 2010. Economic Analysis of Potential Changes to the Riparian Forest Management Guidelines: Potential costs and benefits of the Riparian Science Technical Committee findings. Minnesota Forest Resources Council. St. Paul, MN. 23pp.

Slesak, R.A. 2009. Site-level forest management guideline monitoring: What's it all about? *Tree Farming for Better Forests.* Summer Issue:24p.

Awarded and Pending Grants

Emerald Ash Borer and Black Ash: Wildlife Impacts. A. D'Amato, A. Grinde, G. Niemi, B. Palik, R. Slesak, and B. Sturtevant. Legislative Citizen's Commission on Minnesota's Resources. (\$334,000) 7/2016-6/2019.

Tree Retention Following Harvest: Maximizing Benefits for Wildlife. PIs: M. Falkowski, A. Grinde, G. Niemi, R. Slesak, and E. Zlonis. Legislative Citizen's Commission on Minnesota's Resources. (\$232,000) 7/2016-6/2019.

A foundational dataset characterizing historic forest disturbance patterns. PIs: A. Ek, M. Falkowski, L. Nagel, M. Russell, and R. Slesak. Legislative Citizen's Commission on Minnesota's Resources. (\$200,000) 7/2015-6/2018.

Ecological and hydrological impacts of emerald ash borer – Phase 2. PIs: A.W. D'Amato, M. Falkowski, L. Nagel, B. Palik, and R. Slesak. Legislative Citizen's Commission on Minnesota's Resources. (\$400,000) 7/2015-6/2020.

Scotch broom alters Douglas-fir community structure and soil ecology: prevention and mitigation through alternative management practices. PI's A.W. D'Amato, T.B. Harrington, and R.A. Slesak. USDA-AFRI (\$450,000). 10/2013-9/2018

Logging debris and herbicide treatments for controlling Scotch broom. PI R. Slesak. USDA Forest Service, Pacific Northwest Research Station. (\$41,000) 8/2011-12/2015.

Evaluation of Biomass Harvesting Impacts on Minnesota's Forests. PIs C. Blinn, J. Bradford, A.W. D'Amato, S. Fraver, R. Kolka, B. Palik, R. Slesak. Legislative Citizen's Commission on Minnesota's Resources. (\$350,000) 7/2011-6/2014.

Ecological and hydrological impacts of emerald ash borer. PIs: A.W. D'Amato, A. Ek, B. Palik, P. Reich, R. Slesak, and R. Vennette. Legislative Citizen's Commission on Minnesota's Resources. (\$636,000). 6/2010-6/2015.

Online Forest Management Guideline (FMG) Education for Loggers, Resource Managers and Landowners. PI's C. Blinn, D. Chura, L. Coyle, E. Sagor, R. Slesak, and D. Zamora. Renewable Resources Extension Act (\$16,000). 7/2010-6/2011.

Teaching Experience

2015: Instructor, Geology and Soils, National Advanced Silviculture Program, Local Lake States Module. Cloquet Forestry Center, Cloquet MN. 4/20/15.

2013: Guest Lecturer, ESPM 3241/5241 Natural Resource and Environmental Policy. University of Minnesota. 4/04/2013

2011: Guest Lecturer, ESPM 2021 - Environmental Sciences: Integrated Problem

- Solving. University of Minnesota. *Research Methods in the Social and Physical Sciences*. 3/10/11, 3/25/14
- 2010-
- 2011: Guest Lecturer, ESPM 3261/5261 - Economics and Natural Resources Management. University of Minnesota. *Minnesota's Forest Management Guidelines: Development and implementation of sustainable forest practices*. 10/13/11, 10/12/10
- 2007: Guest Lecturer, FE 439/539 – Ecology and Management of Forest Soils. Oregon State University. *Nutrient Management*, 2/20/07; *Long-term Soil Productivity*, 3/5/07
- 2006-
- 2008: Guest Lecturer, FOR 111 – Introduction to Forestry. Oregon State University. *Forest Soils and Forest Harvesting*, 11/6/06; 10/31/07; 11/03/08
- 2006: Guest Lecturer, FE 430 – Watershed Processes. Oregon State University. *Erosion and Sedimentation*, 5/17/06
- 2004: Guest Lecturer, FOR 364/564 – Soil and Water Conservation Policy. SUNY College of Environmental Science and Forestry. *Groundwater Hydrology*, 2/09/04; *Water Pollution: Sources and Forms*, 2/11/04
- 2002-
- 2003: Graduate Teaching Assistant, Lab Instructor, FOR 345/545 – Introduction to Soils. State University of New York, College of Environmental Science and Forestry.
- 2001: Technical Teaching Assistant, Summer Program in Field Forestry, State University of New York College of Environmental Science and Forestry, Ranger School
- 2001: Undergraduate Teaching Assistant, FOR 345/545 – Introduction to Soils. State University of New York, College of Environmental Science and Forestry.

Mentoring

Faculty, Natural Resource Science and Management, University of Minnesota

Graduate Student Advising

David Carter, PhD (anticipated 2018) – University of Minnesota

Jake Diamond, PhD (anticipated 2019) – Virginia Tech

Zac McEachran, PhD (anticipated 2020) – University of Minnesota

Alan Toczydlowski, MSc (anticipated 2018) – University of Minnesota

Graduate Student Committees

Daniel DeBruler, MS (2014) – Virginia Tech

Andrew Telander, MS (2013) – University of Minnesota

Professional Presentations

Slesak, R.A., D. McLaughlin, J. Diamond, A. D'Amato, and B. Palik. *Factors controlling the hydrologic response to simulated EAB mortality in black ash wetlands in Minnesota*. Presented at the Society of American Foresters National Convention, Madison WI, November 2-5, 2016.

Carter, D., R. Slesak, T. Harrington, A. D'Amato, and D. Peter. *Effects of Invasive Scotch Broom on Soil Water, Soil Water Chemistry, and Vegetation*. Presented at the Society of American Foresters National Convention, Madison WI, November 2-5, 2016.

Slesak, R.A., R. Rossman, and J. Corcoran. *Erosion control during forest harvesting: use, effectiveness, and need*. Presented at the joint annual meeting of the Minnesota chapters of the Society of American Foresters and the American Fisheries Society, Duluth MN, February 1-3, 2016.

Carter, D., R.A. Slesak, T.B. Harrington, and A.W. D'Amato. *Effects of Invasive Scotch Broom on Soil Water Chemistry and the Soil Microenvironment*. Presented at the Soil Science Society of America Annual Meeting, Division S-7, Minneapolis MN, November 15-18, 2015.

Slesak, R.A., B.J. Palik, and A.W. D'Amato. *Evaluating 20 Year Soil Response to OM Manipulation: Implications for Assessment and Application*. Presented at the Soil Science Society of America Annual Meeting, Division S-7, Minneapolis MN, November 15-18, 2015.

T.B. Harrington, R.A. Slesak, S.M. Holub, S.H. Schoenholtz, and D.H. Peter. *Organic Matter Retention after Harvesting Coast Douglas-fir: Altered Microclimate, Vegetation Structure, and Soil Nutrient Pools Interact to Regulate Forest Productivity*. Invited presentation at the Soil Science Society of America Annual Meeting, Special symposium--Advances in Understanding Impacts of Organic Matter Removal on Soils and Forest Productivity: I, Minneapolis MN, November 15-18, 2015.

Slesak, R.A. and T. Kaebisch. *Assessing effects of harvest landings on early stand growth using LiDAR*. Invited presentation to the 2015 Forest and Wildlife Research Review. Cloquet Forestry Center, Cloquet MN. Feb. 24, 2015.

Slesak, R.A. and C. Lenhart (co-presenters). *Potential Hydrologic Impacts of Emerald Ash Borer on Black Ash Wetland*. Invited presentation to the Water Resources Science seminar series. University of Minnesota. St. Paul, MN. Nov. 14, 2014.

Slesak, R.A., A. Telander, C. Lenhart, A.W. D'Amato, and B. Palik. *Wetland hydrology of black ash stands in Minnesota: implications for management of the emerald ash borer threat*. Invited presentation at the Black Ash Symposium: Sharing traditional and scientific knowledge. University of Maine, Orono, ME. Nov. 5-7, 2014.

Slesak, R.A. *Implementation of Minnesota's Forest Management Guidelines for watershed protection*. Invited presentation at the Smallwood conference. Rochester MN, June 3-5, 2014.

Slesak, R.A., and D. Rossman. *A holistic risk-based approach for BMP effectiveness at the watershed scale*. Presented at the Symposium on Forestry Best Management Practice Effectiveness in the Eastern US. Blacksburg VA, May 12-15, 2014.

Slesak, R.A., K. Brooks, A.W. D'Amato, C. Lenhart, and B. Palik. *Water table response of black ash wetlands to simulated emerald ash borer mortality and harvesting*. Presented at the 6th Midwest-Great Lakes Chapter of the Society for Ecological Restoration Annual Meeting. Saint Paul MN, March 28-30, 2014.

Harrington, T.B., R.A. Slesak, and A.W. D'Amato. *Scotch broom alters Douglas-fir community structure and soil ecology: Prevention and mitigation through alternative management practices*. Presented at the Weed Science Society of America Annual meeting. Vancouver, B.C. February 2-6, 2014.

Rossman, R. and R.A. Slesak. *Water Quality BMPs and Sustainable Forest Practices: the Minnesota Model*. Poster presentation at the Society of American Foresters National Convention. Spokane, WA, October 24-28, 2012.

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. *Soil C and nutrient pools five years after manipulating biomass and competing vegetation at two contrasting sites in the Pacific Northwest*. Presented at the Soil Science Society of America Annual Meeting, Division S-7, San Antonio TX, October 16-19, 2011.

Slesak, R.A. *Minnesota's Forest Riparian Guidelines*. Invited presentation to DNR Fisheries Area Supervisors Conference. Cloquet, MN, September 21-22, 2010.

Slesak, R.A. *Ecological and Hydrological Impacts of Emerald Ash Borer*. Invited presentation at the USGS sponsored workshop "Understanding the Vegetation and Hydrology of Upper Midwest Wetlands". Black Bear Casino Resort, Carlton, MN. September 22-24, 2010

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. *Sustaining productivity under intensive forest management: synthesis and implications of results from two contrasting sites in the Pacific Northwest*. Presented at the IEA Task 43 and Long-term Soil Productivity Study workshop: Sustainability across the supply chain of land-based biomass. Kamloops, B.C. June 1-4, 2010.

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. *Factors Influencing Microbial Respiration Following Harvesting at Two Sites with Contrasting Soils*. Presented at the Soil Science Society of America Annual Meeting, Division S-7, New Orleans, LA, November 4-8, 2007.

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. *Control of Competing Vegetation Following Harvesting: Effects on Nitrogen Leaching, Mineralization, and Douglas-fir Foliar Status*. Poster presentation at the Soil Science Society of America Annual Meeting, Division S-7, New Orleans, LA, November 4-8, 2007.

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. *Soil C Cycling Following Timber Harvest in Response to Logging Debris and Herbicide Application*. Presented at The Soil Science Society of America Annual Meeting, Division S-7, Indianapolis, IN, November 12-16, 2006.

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. *In situ Measurement of Bulk Soil and Microbial Respiration in Clearcuts of the Pacific NW*. Poster presentation Soil Science Society of America Annual Meeting, Division S-7, Indianapolis, IN, November 12-16, 2006.

Slesak, R.A., S.H. Schoenholtz, and T.B. Harrington. *Carbon Cycling Following Timber Harvest in Response to Logging Debris Retention and Control of Competing Vegetation*. Poster presentation at the national annual meeting of the Agenda 2020 program, Washington D.C., November 3, 2006.

Slesak, R.A. *Soil respiration and nitrogen sampling at varying debris retention treatments following harvest*. Presented at the Matlock, WA affiliate research site for the Long Term Soil Productivity Network annual meeting, Olympia, WA, July 12-13, 2005.

Slesak, R.A. and R.D. Briggs. *Fertilization of Christmas trees in New York State: first year response and the development of guidelines for application with foliar analysis*. Poster presentation at the Soil Science Society of America Annual Meeting, Division S-7, Seattle, WA, October 31-November 4, 2004.

Slesak, R.A. and R.D. Briggs. Christmas tree fertilization: Preliminary results and update of a 1-year study in the State of New York. Winter meeting of Christmas Tree Farmers Association of NY, Turning Stone Casino, Vernon, NY. 1/2003

Workshops and Outreach

Instructor, Soils and Forest Management (Symposium and 3 field days). Sustainable Forestry Education Cooperative. 4/21/16, 4/26/16, 6/9/16, 9/13/16.

Hydrology of Black Ash Wetlands: Implications for management of the EAB threat. Webinar presentation for the Sustainable Forestry Education Cooperative, University of Minnesota. St. Paul, MN. 9/15/15.

Minnesota's Forest Management Guidelines: Revision, implementation, and monitoring. Webinar presentation for the Sustainable Forestry Education Cooperative, University of Minnesota. St. Paul, MN. 4/21/15.

Instructor, Climate-Informed Forest Management: Forum and Field Day. Sustainable Forestry Education Cooperative. Grand Rapids MN, May 8-9, 2014.

Emerald Ash Borer research study results: implications for forest management.
Presentation to the Minnesota Forest Resources Partnership. Grand Rapids, MN 06/20/13

Will forests be managed under the Clean Water Act? Invited panelist at the 10th Annual Forestry, Wildlife and Natural Resources Research Review: Critical Natural Resource Issues Affecting Minnesota Forests. Sustainable Forestry Education Cooperative. Cloquet, MN. 1/18/2013.

Ecological impacts of biomass harvesting: soil as the basis for sustainable management.
Webinar presentation for University of Minnesota Extension Woody Biomass Webinar Series. St. Paul, MN. 8/17/2011.

Minnesota Forest Resources Council: Overview and update on the forest management guidelines. Presentation at the Annual Logger Conference of the Minnesota Logger Education Program. Tower, MN 4/5/2011; Walker, MN 4/12/2011.

Instructor, Forest Management Guideline Introductory Training Session. Sustainable Forestry Education Cooperative, Cloquet, MN 9/1/2009, 8/31/2010; Rochester, MN 9/8/2010.

Guideline Implementation: Assessment, evaluation, and identification of mechanisms for improvement. Presentation to the Minnesota Forest Resources Partnership. Grand Rapids, MN 12/16/2010.

Minnesota's Riparian Guidelines: RSTC report, economic analysis, and the revision process. Presentation to Minnesota Forest Industries. Duluth, MN. 3/31/2010.

Riparian guidelines and the second revision of the site-level forest management guidelines. Presentation to the Minnesota Forest Resources Partnership. Grand Rapids, MN 2/18/2010.

Forest Management Guidelines and current issues associated with the Site-level Program. Presentation to Minnesota Forest Industries. Duluth, MN. 9/15/2009.

Soil influences on Christmas tree growth and development. Christmas Tree Farmers Association of NY Summer Meeting, Elms Tree Farm, Ballston Spa, NY. 7/25/2003

Memberships and Awards

- Member Society of American Foresters (since 2002)
- Member Soil Science Society of America (since 2002)

- Best oral presentation SSSA annual meeting, New Orleans 2007, Div. S-7,
- Best poster presentation SSSA annual meeting, New Orleans 2007, Div. S-7
- Arnold and Vera Meier Fellowship, Oregon State University, 2006
- Alfred W. Moltke Scholarship, Oregon State University, 2006
- Forestry Graduate Fellowship, College of Forestry, Oregon State University, 2005
- College Scholar, SUNY ESF, 2002
- New York State Scholarship of Academic Achievement, 2001
- Wesson Award, SUNY ESF- Ranger School, 1999

Service

- Symposium Organizer, Soils and Forest Management, Sustainable Forestry Education Cooperative, University of Minnesota (2016).
- Planning Committee, Annual Research Review, Sustainable Forestry Education Cooperative, University of Minnesota (2014-2016).
- Symposium Organizer, Consequences of emerald ash borer induced mortality for black ash wetlands: Insights from research for restoration and management, MGL Chapter of the Society Ecological Restoration annual meeting; St. Paul MN (2014).
- Education advisory committee, Sustainable Forestry Education Cooperative, University of Minnesota (2010-present)
- Co-chair, Soils Working Group, Society of American Foresters (2010-2012)
- Associate Editor, *Journal of Forestry* (2011-present)
- Reviewer for *Forest Ecology and Management*, *Forest Science*, *J. of Environmental Quality*, *Northern J. of Applied Forestry*, *Water Air & Soil Pollution*, *Canadian J. Forest Research*, *European J. Forest Research*, *Forests*, *Soil Science Society of America Journal*.
- Agricultural Use Technical Team, MN Water Sustainability Framework (2010)
- Moderator – Discussion Session 317, Annual meeting of the Soil Science Society of America, New Orleans, LA, November 4-8, 2007
- Tour organizer and presenter – Silviculture Instructors Tour, Society of American Foresters National Convention, Portland, OR, October 23-27, 2007
- Editor – Proceedings of the Department of Forest Engineering Graduate Research Symposium: Forest Operations, Soils, and Hydrology. Corvallis, OR, March 15, 2007