

Dr. Linda Marie Nagel

Interim Dean, College of Food, Agricultural and Natural Resource Sciences
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EDUCATION

Ph.D. 2000. Forestry, University of Montana, Missoula, MT

Dissertation: Differences in physiological performance of ponderosa pine in even-aged and multiaged stand structures

M.S. 1997. Natural Resource Sciences, Washington State University, Pullman, WA

Thesis: The effects of enhanced UV-B radiation on leaf anatomy, leaf area, and specific leaf weight of four tree species

B.S. 1994. Biology, Chemistry Minor, With High Honors, South Dakota State University, Brookings, SD

PROFESSIONAL POSITIONS HELD

2025-2026	Professor & Head, Department of Forest Resources, College of Food, Agricultural and Natural Resource Sciences, University of Minnesota
2022-2025	Dean & Professor, S.J. & Jessie E. Quinney College of Natural Resources, Utah State University
2015-2022	Professor & Head, Department of Forest and Rangeland Stewardship, Warner College of Natural Resources, Colorado State University
2013-2015	Professor, Department of Forest Resources, University of Minnesota Director of Operations, Cloquet Forestry Center & Hubachek Wilderness Research Center
2006-2013	Associate Professor of Silviculture, School of Forest Resources and Environmental Science, Michigan Technological University
2000-2006	Assistant Professor of Silviculture, School of Forest Resources and Environmental Science, Michigan Technological University
1997-2000	Graduate Research Assistant, School of Forestry, University of Montana Graduate Teaching Assistant, School of Forestry, University of Montana
1995-1997	Graduate Research Assistant, Natural Resource Sciences Dept, Washington State University Graduate Teaching Assistant, Natural Resource Sciences Dept, Washington State University
1992-1995	Plant Physiology Laboratory Technician, Biology Department, South Dakota State University

PREVIOUS ADMINISTRATIVE and LEADERSHIP ROLES

Dean, S.J. & Jessie E. Quinney College of Natural Resources, Utah State University (2022-2025)

Served as lead administrator for an interdisciplinary college, including responsibility for all academic, research, and extension programs, and the college Business Service Center. The college was home to 60 faculty across three departments, 500 undergraduate majors and 200 graduate students, a research portfolio >\$18M in external funding annually, with centers and institutes that advance research and extension programming. Responsibilities included execution of a collaborative strategic direction; provided clear and visionary leadership for the college; ensuring access to and delivery of high-quality academic programs on the Logan campus and throughout USU's Statewide Campuses, ensuring student success; support research infrastructure and facilitate access to external funding; support interdisciplinary collaborations across the college and university; lead fundraising efforts and alumni relations; effective management of financial and personnel resources in the college; foster close partnerships with federal, state, local, and private entities; support professional growth and development of faculty and staff, including recruitment, retention, and promotion of faculty; and develop and advance inclusive excellence initiatives for the college and associated professions.

Department Head, Forest and Rangeland Stewardship, Colorado State University (2015-2022)

Served as lead administrator for the Department of Forest and Rangeland Stewardship in the Warner College of Natural Resources, including responsibility for leadership, administration, and advancement of departmental teaching, research, extension, and service activities. Responsibilities included cooperative strategic planning and goal-setting; communication of programmatic direction and achievements to internal and external constituencies; fostering relationships with departments and programs in the College and across the University, state and federal agencies, professional societies, and other organizations; administration of the departmental budget; development and execution of curricula and adherence to standards for the forestry (Society of American Foresters) and rangeland ecology (Society for Range Management) professional accreditations; administration of all undergraduate, graduate, on-campus, and online degree programs; university programmatic review; management of faculty and staff including the conduct of annual evaluations and support of professional development for all faculty and staff; leadership in faculty hiring, promotion and tenure decisions; and serving as a member of the College's Executive Leadership Team. The department had 15 tenured/tenure-track faculty, 6 non-tenure track faculty, and 7 departmental staff including 3 professional undergraduate advisors, a graduate coordinator, a communications coordinator, and a research associate/advisor to forestry programs. During my time at CSU I hired 7 tenure-track faculty, 4 non-tenure-track faculty, 6 departmental staff, and 1 research associate and 1 post-doc who worked directly with me. DEISJ is a long-standing, core departmental value that was infused across all programs and activities.

Director of Operations for CFC and HWRC, University of Minnesota (2013-2015)

As Director of Operations, I provided strategic leadership for the Cloquet Forestry Center and the Hubachek Wilderness Research Center north of Ely, MN, including budget management, facility maintenance and use, policy development and implementation, and management of 15 staff. Operational oversight included all forest management activities for both facilities and properties, ensuring continued research, education, and outreach needs were met. I provided strategic leadership for programming, including the Sustainable Forests Education Cooperative, the National Advanced Silviculture Program, other outreach and education programs, and all research activities conducted at each Center. As Director of the Hubachek Wilderness Research Center, I was given fiduciary oversight responsibilities for the \$12 million endowment that supports the operations and salaries of facility staff, and research activities of select faculty conducting research at the site. I was responsible for budget planning and management on an annual basis for both facilities.

Adaptive Silviculture for Climate Change Network – Lead Principle Investigator (2010-present)

As lead PI for the [Adaptive Silviculture for Climate Change](#) (ASCC) International Network, and in collaboration with the Northern Institute of Applied Climate Science (NIACS), I led the creation of a planning framework that brings scientists and managers together to co-develop replicated long-term experimental sites in forest types across the US and Canada. ASCC is a high-impact research and outreach project that is translating climate adaptation theory (i.e., resistance, resilience, transition) into practice, with 14 core sites and teams, includes over 200 partners, with numerous graduate students and post-docs researching each site. As lead PI, I provide strategic vision, leadership, and decision-making for site selection, facilitate 3-day co-development workshops that utilize a set of core design principles, ensure adherence to experimental and data best practices, and provide network cohesion and direction. The work of ASCC is internationally recognized as evidenced by numerous invited international talks, and is widely referenced in the forest management community as a flagship study in climate-smart forest management.

National Advanced Silviculture Program – Director and Instructor, Two Modules (2002-2015)

In this role I designed, directed, and taught the first of four, 2-week intensive national modules of the USDA Forest Service National Advanced Silviculture Program (NASP), *Ecological Systems Module*, in collaboration with the Forest Service National Silviculturist, and the *Great Lakes Silviculture Module*, in collaboration with the Region 9 Silviculturist. As Director, I led proposals and managed the contracts that funded each module, designed the curriculum ensuring content and delivery met national silviculture handbook and certification standards, recruited a cadre of expert instructors, designed assessment of individual students through

assignments and exams including oral and field exams, hired and supervised staff to assist with logistics and program execution, designed fieldtrips with local practitioner partners including overnights, organized lodging and food accommodations, created a sense of community for each NASP cohort of participants from across the US and numerous tribes and federal (BLM, BIA) and state agencies, and collaborated with three universities who offered additional national modules. Between 2002-2015 I directed 17 modules at two universities (Michigan Tech and University of Minnesota) teaching over 500 professionals.

LEADERSHIP TRAINING

Institute for Management and Leadership in Education, Harvard Graduate School of Education, 2024

LEAD21 – Leadership Development Program, 2016-2017

SELECTED HONORS and AWARDS

Barrington Moore Memorial Award in Biological Science, Society of American Foresters, 2021

Warner College Diversity and Inclusion Award, Colorado State University, 2020

Special Recognition for Outstanding Service to the USDA Forest Service, 2019

CO-WY Society of American Foresters Citizenship Award, 2019

Aunt of Paul Award for contributions to University of Minnesota Forestry Club, 2014

MTU Distinguished Teaching Award Finalist, 2008, 2010

Distinguished Teaching Award, School of Forest Resources and Environmental Science, 2007-2008

MTU Academy of Teaching Excellence Inductee, 2008

EXTERNALLY FUNDED PROJECTS Total ~ \$6M

Nagel, L.M., C. Peterson and E. Elias. Increasing agricultural productivity and sustainability by impactful development and communication of climate smart agricultural research and practices. USDA ARS Climate Hubs, \$40,000, 2021-2022

Nagel, L., C. Swanston and E. Elias. Forest, Grassland, and web-based adaptation strategies for decision support: A collaborative approach between the Northern Forests and Southwest Hubs. USDA Forest Service, \$167,235, 2020-2022

Nagel, L.M., C. Peterson and C. Swanston. Science Synthesis and Climate Services in Support of the USDA Climate Hubs Fellows. USDA Forest Service, \$62,714, 2019-2021

Nagel, L.M. and C. Peterson. Enhancing drought resilience via assessment, collaboration and coordination. USDA Agricultural Research Service, \$20,000, 2019-2021

Hammes, M., L. Brandt, M. Windmuller-Campione, R. Montgomery, L. Nagel and C. Peterson. Climate Change Adaptation and Communications in the Mississippi National River and Recreation Area. Wildlife Conservation Society Climate Adaptation Fund, \$247,600, 2018-2020

Hanberry, B., N. Clark, B. Miller, J. Engert, L. Nagel and C. Peterson. Climate Change Vulnerability Assessment in Support of Pike San Isabel National Forests and Cimarron/Comanche National Grasslands Forest Plan Revision, Plan Amendments and Project-Level Planning. USDA Forest Service, \$50,000, 2018-2019

Nagel, L.M. and C.W. Swanston. Science Synthesis and Delivery for the Climate Change Resource Center. USDA Forest Service, Northern Research Station \$25,000, 2016-2019

Tinkham, W., L.M. Nagel and M. Battaglia. User Needs Assessment for Modernizing the Forest Vegetation Simulator. USDA Forest Service, Rocky Mountain Research Station \$20,000, 2016-2018

Nagel, L.M. and L. Joyce. Rio Grande National Forest Climate Change and Planning Collaboration. USDA Forest Service, Rocky Mountain Research Station \$25,000, 2016-2018

Nagel, L.M. Short-Term Evaluation and Long-Term Modeling of Ecosystem Responses in the Red Pine Adaptive Silviculture for Climate Change Experiment. USDA Forest Service, Northern Research Station \$56,900, 2015-2020

Falkowski, M., A. Ek, A. D'Amato, M. Russell, L. Nagel and R. Slesak. A foundational dataset characterizing historic forest disturbance impacts. Legislative Citizen's Commission on Minnesota's Resources \$200,000, 2015-2018

Nagel, L.M. National Advanced Silviculture Program 9 of the US Forest Service, Ecological Systems Module. USDA Forest Service, Bureau of Indian Affairs, Bureau of Land Management \$98,934, 2015

Nagel, L.M. Lake States Silviculture Module for the National Advanced Silviculture Program. USDA Forest Service, Bureau of Indian Affairs, and Wisconsin DNR \$55,695, 2015

Falkowski, M.J., L.M. Nagel and A. Hudak. Enhancing Tools and Geospatial Data to Support Operational Forest Management and Regional Forest Planning in the Face of Climate Change. NASA \$266,028, 2014-2017

Nagel, L.M. Climate-Informed Forest Management Forum and Field Day. Minnesota Department of Natural Resources \$4,000, 2014

Nagel, L.M. National Advanced Silviculture Program 8 of the US Forest Service, Ecological Systems Module. USDA Forest Service \$113,430, 2014

Sagor, E.S., L.M. Nagel and A.W. D'Amato. Northern Great Lakes Silviculture Prescription Library. Great Lakes Forest Alliance, through the Minnesota Forest Resources Partnership \$32,470, 2014-2015

Nagel, L.M. National Advanced Silviculture Program 7 of the US Forest Service, Ecological Systems Module. USDA Forest Service \$131,607, 2013

Nagel, L.M. and K.M. Waring (NAU). Post-fire regeneration response and long-term outlook following recent fires in the Upper Peninsula, MI. The Forestland Group \$15,000, 2013

Nagel, L.M., C.W. Swanston and M.D. Powers. National Instruction of Advanced Climate Change Topics. US Forest Service, Northern Research Station \$80,000, 2012-2016

Nagel, L.M. Lake States Silviculture Module of the US Forest Service National Advanced Silviculture Program. USDA Forest Service \$73,104, 2012

Nagel, L.M. National Advanced Silviculture Program 6 of the US Forest Service, Ecological Systems Module. USDA Forest Service \$131,305, 2012

Nagel, L.M. and J. Guldin. A National Approach to Adaptive Silviculture in the Context of Climate Change. USDA Forest Service, Southern Research Station \$250,000, 2011-2016

Froese, R. and L.M. Nagel. Evaluating the Long-term Effect of Logging Residue Harvest in Great Lakes Aspen Stands. National Council for Air and Stream Improvement (NCASI) \$150,728, 2011-2015

Butler, P., Swanton, C.W., A. Burton, T. Pypker, A. Storer, R. Froese and L. Nagel. Climate Change Science Delivery, Adaptation, and Ecological Assessment. USDA Forest Service \$25,000, 2011-2014

Nagel, L.M. National Advanced Silviculture Program 5 of the US Forest Service, Ecological Systems Module. USDA Forest Service \$115,498, 2011

Froese, R. and L.M. Nagel. Effects of biomass harvest on forest productivity. Plum Creek Timber Company \$55,000, 2010-2013

Nagel, L.M. Local Lake States Training Module for the USDA Forest Service. USDA Forest Service \$69,147, 2010

Nagel, L.M. National Advanced Silviculture Program IV of the US Forest Service, Ecological Systems Course. USDA Forest Service \$115,793, 2010

Nagel, L.M. Vegetation dynamics of under-represented species in the Great Lakes Region. USDA McIntire-Stennis \$7,000 each in 2008, 2009, 2010

Storer, A.J. and L.M. Nagel. Multicriteria Risk Models for Invasive Plants at Pictured Rocks National Lakeshore: Development, Validation and Implementation. Year 2 of 3. Pictured Rocks National Lakeshore \$39,999, 2008-2011

Mayer, A.S., L.M. Nagel, N. Auer and B. Baltensperger. GlobalWatershed: Integrating Rural and Global Perspectives with Research and Technological Advances. NSF \$2,499,351, 2009-2014

Janowiak, M.K., L.M. Nagel and C.W. Swanston. Training in Advanced Climate Change Topics. USDA Forest Service \$33,000, 2009-2014

Nagel, L.M. Assessing Vegetation of Isle Royale National Park with FIA Data. USDA Forest Service \$15,000, 2009-2011

Nagel, L.M. and C.R. Webster. National Advanced Silviculture Program III of the US Forest Service, Ecological Systems Course. USDA Forest Service \$106,569, 2009

Mayer, A.S. (PI), K. Halvorsen, H. Asbjornsen, A. Mayer, R. Chimner, B. Orr and L. Nagel. Enhancing the Capacity for Sustainable Forest Management and Ecosystem Service Provisioning in Chiapas and Oaxaca. USAID, Higher Education for Development TIES Program \$250,000, 2009-2011

Storer, A.J. and L.M. Nagel. Multicriteria Risk Models for Invasive Plants at Pictured Rocks National Lakeshore: Development, Validation and Implementation. Year 1 of 3. Pictured Rocks National Lakeshore \$30,499, 2008-2011

Nagel, L.M. and C.R. Webster. Lake States Silviculture Module of the National Advanced Silviculture Program of the US Forest Service. USDA, US Forest Service \$34,173, 2008

Janowiak, M., L.M. Nagel, C.R. Webster and C.W. Swanston. Sustainable Forest Management in the Context of Climate Change: Training and Tools for Strategy Development and Application. USDA Forest Service \$132,971, 2008-2012

Nagel, L.M. Developing Transdisciplinarity in Natural Resource Management: Fusing Science, Art and Ethics. MTU Faculty Scholarship Grant, \$1,000, 2008

Nagel, L.M. and C.R. Webster. National Advanced Silviculture Program II of the US Forest Service, Ecological Systems Course. USDA Forest Service \$104,916, 2008

Nagel, L.M. and C.R. Webster. Certified Silviculturist Program of the US Forest Service Ecological Systems Course. USDA Forest Service \$102,115, 2007

Nagel, L.M. The Lake States Silviculture Short Course of the USDA Forest Service Program of Advanced Studies in Silviculture (PASS-16), USDA Forest Service \$37,563, 2006

Nagel, L.M. Assessment of Control Methods for Glossy Buckthorn. US Department of the Interior, Fish and Wildlife Service, Seney National Wildlife Refuge \$5,000, 2006-2007

Nagel, L.M. Diameter distributions of northern hardwoods across spatial scales. USDA McIntire-Stennis \$7,000 each in 2006, 2007

Storer, A.J. and L.M. Nagel. Demonstration plots of implementation of Ash Phloem Model. USDA Forest Service \$117,877, 2005-2009

Storer, A.J., L.M. Nagel and L. Haugen. Interactions among prescribed fire, mechanical treatments, insect pests and pathogens in red pine. Year 3 of 3. FHM EM-Fire Funding \$29,000, 2006

Nagel, L.M. and A.J. Storer. Risk assessment and suppression of garlic mustard invasion in Michigan. USDA Forest Service, State and Private Forestry Division \$47,000, 2005-2008

Storer, A.J., L.M. Nagel and L. Haugen. Interactions among prescribed fire, mechanical treatments, insect pests and pathogens in red pine. Year 2 of 3. FHM EM-Fire Funding \$30,106, 2005

Nagel, L.M. The Biological and Earth Sciences Session of the USDA Forest Service Program of Advanced Studies in Silviculture (PASS-16), USDA Forest Service \$60,588, 2005

Storer, A.J., L.M. Nagel, C.R. Webster and M.D. Hyslop. A predictive model for exotic plant species for the Great Lakes Network of the U.S. National Park Service. National Park Service \$45,000, 2004-2008

Nagel, L.M. Factors influencing the presence of Pennsylvania sedge on northern hardwood sites. USDA McIntire-Stennis \$7,000 each in 2003, 2004, 2005

Storer, A.J., L.M. Nagel and L. Haugen. Interactions among prescribed fire, mechanical treatments, insect pests and pathogens in red pine. Year 1 of 3. FHM EM-Fire Funding \$30,151, 2004

Erickson, J. and J. Forsman (J. Schmierer and L. Nagel collaborators). A Proposal to construct and evaluate the performance of six timber bridges using local species in northern Michigan. US Forest Service \$103,000, 2003-2004

Nagel, L.M. Lake States Silviculture Session of the USDA Forest Service Program of Advanced Studies in Silviculture (PASS-15). USDA Forest Service \$29,371, 2003

Nagel, L.M. Integrating fire breaks into an ecological framework for forested ecosystem management at Seney National Wildlife Refuge. U.S. Fish and Wildlife Service \$40,000, 2003-2006

Ruiz, I.J., E.F. Contreras, A.S. Mayer and B.A. Barna. Michigan Tech-UNISON Linkage: Training a core of water resources experts. USAID \$299,860, (L.M. Nagel listed as Collaborator) 2002-2005

Nagel, L.M. Development of a multiaged stocking control model for ponderosa pine in the Black Hills, USDA Forest Service \$5,000, 2002-2003

Mroz, G.D., L.M. Nagel and M.R. Gale. The Biological and Earth Sciences Session of the USDA Forest Service Program of Advanced Studies in Silviculture (PASS-15). USDA Forest Service \$41,115, 2002

Nagel, L.M. Above-ground carbon allocation in a chronosequence of red pine. North Central Research Station, USDA Forest Service \$16,862, 2001-2006

Nagel, L.M. and J.M. Schmierer. Institutional Team with the MSU FIRST II (Faculty Institutes for Reforming Science Teaching) Project funded by NSF, 2002 to 2005

REFEREED PUBLICATIONS

Published (*indicates a graduate student)

- Clark, P., A. D'Amato, **L. Nagel**, B. Palik, M. Battaglia, M. Janowiak, C. Peterson, C. Swanston and M. Vicini. Adaptive Silviculture for Climate Change: Operationalizing the Resistance-Resilience-Transition Framework. *Ecological Applications*, accepted
- Palik, B.J., D.N. Kastendick and **L.M. Nagel**. 2026. Survival and growth of adaptation tree plantings in a northern Minnesota USA red pine woodland. *Forest Ecology and Management* 617(2026)123949 <https://doi.org/10.1016/j.foreco.2026.123949>
- Nagel, L.M.**, M.K. Janowiak, P.W. Clark, C.L. Peterson, M.R. Vicini, B.J. Palik, A.W. D'Amato, M.A. Battaglia and C.W. Swanston. 2025. Ten Years of Adaptive Silviculture for Climate Change: An Applied, Coproduced Experimental Framework. *BioScience* <https://doi.org/10.1093/biosci/biaf170>
- Wikle, J.L., A.W. D'Amato, B.J. Palik, C.W. Woodall, K.S. Evans and **L.M. Nagel**. 2024. Structural outcomes of climate adaptation treatments in two contrasting northern temperate forests. *Forest Ecology and Management* 562(2024)121932 <https://doi.org/10.1016/j.foreco.2024.121932>
- Palik, B., P. Clark, A. D'Amato, C. Swanston and **L. Nagel**. 2022. Operationalizing forest assisted migration in the context of climate change adaptation: examples from the eastern USA. *Ecosphere* 2022,13:e4260. <https://doi.org/10.1002/ecs2.4260>
- Looney, C.L., W.J. Previant, J.B. Bradford and **L.M. Nagel**. 2021. Species mixture effects and climate change influence growth, recruitment and mortality in Interior West U.S.A. *Populus tremuloides*-conifer communities. *Journal of Ecology*. <http://doi.org/10.1111/1365-2745.13709>
- *Muller, J.J., **L.M. Nagel** and B.J. Palik. 2021. Comparing long-term projected outcomes of adaptive silvicultural approaches aimed at climate change in red pine forests of northern Minnesota, USA. *Canadian Journal of Forest Research*. <https://doi.org/10.1139/cjfr-2021-0097>
- Looney, C., W. Previant and **L. Nagel**. 2021. Variations in tree growth across species mixtures provide evidence of complementarity in Interior West USA mixed-conifer forests. *Journal of Ecology* 109:952-965 <https://doi.org/10.1111/1365-2745.13523>
- Hammes, M.C., L. Brandt, **L. Nagel**, C. Peterson, and M. Windmuller-Campione. 2020. Adaptive Silviculture for Climate Change in the Mississippi National River and Recreation Area, an Urban National Park in the Twin Cities Area, Minnesota. *Cities and the Environment* 13(1) <https://digitalcommons.lmu.edu/cate/vol13/iss1/11/>
- Brandt, L.A., M. Sertle, H. Hamilton, C. Deaton, K. Mangan, C.W. Swanston, M. Hammes, **L.M. Nagel**, C.L. Peterson, C.E. Looney, M. Windmuller-Campione and R.A. Montgomery. 2020. Adapting bottomland hardwood forests to a changing climate. In L.S. Pile, R.L. Deal, D.C. Dey, D. Gwaze, J.M. Kabrick, B.J. Palik, T.M. Schuler (Eds.). *The 2019 National Silviculture Workshop: a focus on forest management-research partnerships*. General Technical Report NRS-P-193. Madison, WI: USDA Forest Service Northern Research Station: pp 159-162 <https://doi.org/10.2737/NRS-GTR-P-193-paper22>
- *Muller, J.J., **L.M. Nagel** and B.J. Palik. 2019. Forest adaptation strategies aimed at climate change: Assessing the performance of future climate-adapted tree species in a northern Minnesota pine ecosystem. *Forest Ecology and Management* 451(2019) <https://doi.org/10.1016/j.foreco.2019.117539>
- Roske, M.R., L.A. Joyce, **L.M. Nagel**, L.K. Peterson, C.L. Peterson and M. Matonis. 2019. The Rio Grande National Forest Climate Change Plan Revision Workshop: Designing a Science-Management Collaborative Process to Address 2012 Planning Rule Climate Change Concerns at the Forest Plan Scale. Research Note RMRS-RN-84. Fort Collins, CO; USDA, Forest Service Rocky Mountain Research Station. 17p.
- Nagel, L.**, C. Peterson, J. Guldin, C. Swanston, M. Janowiak, B. Palik, S. Jack and S. Bigelow. 2019. The Adaptive Silviculture for Climate Change Project: A Scientist-Manager Partnership. In S. Clark and C. Schweitzer (Eds.). *Proceedings of Oak symposium: sustaining oak forests in the 21st century through science-based*

- management*. General Technical Report SRS-GTR-237. Asheville, NC; USDA Forest Service Southern Research Station. 192p.
- Crotteau, J.S., E. Kennedy Sutherland, T.B. Jain, D.K. Wright, M.M. Jenkins, C.R. Keyes and **L.M. Nagel**. 2019. Initiating Climate Adaptation in a Western Larch Forest. *Forest Science* 65(4):528-536. <https://doi.org/10.1093/forsci/fxz024>
- Nagel, L.M.**, B.J. Palik, M.A. Battaglia, A.W. D'Amato, J.M. Guldin, C.W. Swanston, M.K. Janowiak, M.P. Powers, L.A. Joyce, C.I. Millar, D.L. Peterson, L.M. Ganio, C. Kirschbaum and M.R. Roske. 2017. Adaptive Silviculture for Climate Change: A National Experiment in Manager-Scientist Partnerships to Apply an Adaptation Framework. *Journal of Forestry* 115:167-178. <https://doi.org/10.5849/jof.16-039>
- *Reinhardt, J.R., **L.M. Nagel**, H. Keough and C.W. Swanston. 2017. Michigan oak savanna restoration: a comparison of mechanical thinning approaches in the context of prescribed fire and native seeding. *Forest Science* 63(4):420-431. <https://doi.org/10.5849/FS-2016-043R1>
- *Reinhardt, J.R., **L.M. Nagel**, C.W. Swanston and H. Keough. 2017. Community-Level Impacts of Management and Disturbance in Western Michigan Oak Savannas. *American Midland Naturalist* 177(1):112-125. <https://doi.org/10.1674/0003-0031-177.1.112>
- *Premier, M.I., R.E. Froese, C.R. Webster and **L.M. Nagel**. 2016. Vegetation response to logging residue removals in Great Lakes aspen forests: Long-term trends under operational management. *Forest Ecology and Management* 382:257-268. <https://doi.org/10.1016/j.foreco.2016.09.048>
- *Previant, W.J. and **L.M. Nagel**. 2016. Vernal Pool Inventory and Classification at Pictured Rocks National Lakeshore, Michigan, USA. *Natural Areas Journal* 36:124-136. <https://doi.org/10.3375/043.036.0203>
- *Windmuller-Campione, M., J. Kotar and **L.M. Nagel**. 2015. Habitat Types – What They Can Tell Us Now and in the Future. *Applied Ecology and Environmental Research* 13(3):893-913.
- *Previant, W.J. and **L.M. Nagel**. 2014. Forest diversity and structure surrounding vernal pools in Pictured Rocks National Lakeshore, Michigan, USA. *Wetlands* 34:1073-1083.
- Janowiak, M.K., C.W. Swanston, **L.M. Nagel**, L.A. Brandt, P. Butler, S. Handler, D. Shannon, L. Iverson, M. Powers, A. Prasad and M. Peters. 2014. A Practical Approach for Translating Climate Change Adaptation Principles into Forest Management Actions. *Journal of Forestry* 112(5):424-433.
- Pond, N.C., R.E. Froese and **L.M. Nagel**. 2014. Sustainability of the selection system in northern hardwood forests. *Forest Science* 60(2):374-381.
- O'Hara, K.L. and **L.M. Nagel**. 2013. The stand: revisiting a central concept in forestry. *Journal of Forestry* 111(5):335-340.
- *Previant, W.J., S.A. Pugh, **L.M. Nagel** and C.W. Woodall. 2012. Forest Resource Attributes of Isle Royale National Park 2010. USDA Forest Service Resource Bulletin NRS-73, 24p.
- *Shartell, L.M., **L.M. Nagel** and A.J. Storer. 2012. Efficacy of Treatments against Garlic Mustard (*Alliaria petiolata*) and Effects on Forest Understory Plant Diversity. *Forests* 3:605-613.
- *Campione, M.A., **L.M. Nagel** and C.R. Webster. 2012. Herbaceous-layer community dynamics along a harvest-intensity gradient after 50 years of consistent management. *Open Journal of Forestry* 2(3):97-109.
- *Janowiak, M.K., C.W. Swanston, **L.M. Nagel**, B.J. Palik, M.J. Twery, J.B. Bradford, C.R. Webster, L.R. Parker, A.T. Hille, and S.M. Johnson. 2011. Silvicultural decision making in an uncertain climate future: a workshop-based exploration of considerations, strategies, and approaches. USDA Forest Service GTR NRS-81, 18p.
- *Shartell, L.M., **L.M. Nagel** and A.J. Storer. 2011. Multi-criteria risk model for garlic mustard (*Alliaria petiolata*) in Michigan's Upper Peninsula. *American Midland Naturalist* 156:116-127.
- *Janowiak, M.K., **L.M. Nagel** and C.R. Webster. 2010. Minimum tree size and interpretation of stand structure in uneven-aged northern hardwoods. *Northern Journal of Applied Forestry* 27(1):34-37.
- Nagel, L.M.**, C.W. Swanston and M.K. Janowiak. 2010. Integrating climate change considerations into forest management tools and training. Pages 27-35 In Theresa B. Jain, Russell T. Graham, and Jonathan Sandquist, tech eds. Integrated management of carbon sequestration and biomass utilization opportunities in a changing climate: Proceedings of the 2009 National Silviculture Workshop, 2009 June 15-18, Boise, ID. Proceedings RMRS-P-61. Fort Collins, CO. USDA, Forest Service, Rocky Mountain Research Station. 351 p.

- Jenkins, M.A., C.R. Webster, S. Jose and **L.M. Nagel**. 2009. Exotic herb layers as ecological filters in forest understories. pp 29-49 In J.D. Creighton and P.J. Roney (editors) *Forest Canopies: Forest Production, Ecosystem Health and Climate Conditions*. Nova Science Publishers, New York. (Invited)
- *Powers, M.D. and **L.M. Nagel**. 2009. Pennsylvania sedge cover, forest management, and deer density influence tree regeneration dynamics in a northern hardwood forest. *Forestry* 82(3):241-254.
- *Janowiak, M.K., **L.M. Nagel** and C.R. Webster. 2008. Spatial scale and stand structure in northern hardwood forests: implications for quantifying diameter distributions. *Forest Science* 54:497-506.
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- Nagel, L.M.,** J.H. Bassman, G.E. Edwards, R. Robberecht and V.R. Franceschi. 1998. Leaf area and anatomical changes associated with exposure to enhanced ultraviolet-B radiation in *Populus trichocarpa*, *Quercus rubra*, *Pseudotsuga menziesii*, and *Pinus ponderosa*. *Physiologia Plantarum* 104:385-396.

PROFESSIONAL PRESENTATIONS (* indicates a graduate student; presenter in bold)

2026

- Nagel, L.M.** 2026. Department of Forest Resources, Future Directions. Minnesota Forest Resources Council (MFRC) (*Invited*) May 19, 2026, Two Harbors, MN.
- Nagel, L.M.** 2026. Mentoring Across a Career. (*Invited*) Midwest Climate Adaptation Science Center Webinar, April 30, 2026.
- Nagel, L.M.** 2026. Department of Forest Resources, Future Directions. Minnesota Logger Education Program (MLEP) Logger Conference. (*Invited*) April 14, 2026, Virginia, MN and April 21, 2026, Bemidji, MN.
- Peterson, C., L. Nagel, M. Vicini, M. Janowiak,** P. Clark, B. Palik, A. D'Amato, M. Battaglia and C. Swanston. Ten Years of Adaptive Silviculture for Climate Change. (*Invited*) Forest Stewards Guild Webinar, March 5, 2026.
- Nagel, L.M.** 2026. Applying Adaptive Silviculture through the ASCC Network. (*Invited*) Department of Natural Resource Ecology and Management, Iowa State University, January 30, 2026, Ames, IA.
- Nagel, L.M.** 2026. Adapting Silviculture Under Rapid Change. (*Invited*) NCASI (National Council for Air and Stream Improvement) Forest Resilience Webinar, January 15, 2026.

2025

- Nagel, L.M.** and M. Janowiak. 2025. Forest Adaptation for an Uncertain Climate Future. (*Presentation and Panel*) Sustainable Forestry Initiative Annual Conference, May 20-23, 2025, Minneapolis, MN.
- Nagel, L.M.** and M. Janowiak. 2025. Adaptive Silviculture for Climate Change Network. (*Presentation and Panel*) SFI Conservation Impact Workshop, Sustainable Forestry Initiative Annual Conference, May 20-23, 2025, Minneapolis, MN.
- Nagel, L.M.** 2025. Regeneration Insights from the Adaptive Silviculture for Climate Change Network. (*Invited Keynote*) International Union of Forest Research Organizations (IUFRO) Unit 1.01.04. March 17-21, 2025, Rotorua, New Zealand.

2024

- Nagel, L.M.** 2024. Insights into Forest Adaptation from the Adaptive Silviculture for Climate Change Network. (*Invited Keynote*) Forest Industry Lecture Series, November 7, 2024, University of Alberta, Edmonton, Alberta, Canada.
- Clark, P.,** A. D'Amato, L. Nagel, C. Peterson, B. Palik, M. Janowiak, M. Vicini, M. Battaglia and C. Swanston. 2024. A Decade(+) of Adaptive Silviculture for Climate Change: The application of an adaptation framework across diverse North American forests. Society of American Foresters National Convention, September 17-20, 2024, Loveland, CO.
- Nagel, L.M.** 2024. Perspectives on Long-Term Forestry Research. (*Invited Panelist*) A Discussion on Community Perceived Barriers and Opportunities in Establishing and Maintaining Long-Term Studies. Society of American Foresters National Convention, September 17-20, 2024, Loveland, CO.
- Palik, B.,** P. Clark, A. D'Amato, C. Swanston, L. Nagel, M. Janowiak, C. Woodall, L. Fitts-Vargas, R. Montgomery and L. Harris. 2024. Operationalizing forest assisted migration as part of climate adaptation in the ASCC Network. Society of American Foresters National Convention, September 17-20, 2024, Loveland, CO.
- Vicini, M.,** L. Nagel, M. Janowiak, C. Peterson and C. Swanston. 2024. From Then to Now: Lessons Learned Over the Course of the Adaptive Silviculture for Climate Change Network. Society of American Foresters National Convention, September 17-20, 2024, Loveland, CO.

Nagel, L., C. Peterson and M. Battaglia. 2024. Managing for Complexity in Western Coniferous Forests of North America. Oral Presentation, XXVI International Union of Forest Research Organizations (IUFRO) World Congress. June 23-29, 2024, Stockholm, Sweden.

Peterson, C., L. Nagel, M. Janowiak and C. Swanston. 2024. The Adaptive Silviculture for Climate Change Network: Where Are We? Oral Presentation, XXVI International Union of Forest Research Organizations (IUFRO) World Congress. June 23-29, 2024, Stockholm, Sweden.

2023

Nagel, L. 2023. What is a Forester? (*Invited Plenary Panelist*). Society of American Foresters National Convention, October 25-28, 2023, Sacramento, CA.

Nagel, L.M., C. Peterson, M. Janowiak and C. Swanston. 2023. Evolution of the Adaptive Silviculture for Climate Change (ASCC) Network (two organized sessions). Society of American Foresters National Convention, October 25-28, 2023, Sacramento, CA.

Nagel, L.M., C. Peterson, M. Janowiak and C. Swanston. 2023. Managing for Uncertainty through Adaptive Silviculture for Climate Change. (*Invited Keynote*) 12th International Union of Forest Research Organizations (IUFRO) Joint Conference, Units 1.05 and 1.09. September 18-20, 2023, Brno, Czech Republic.

2022

Nagel, L. 2022. Managing for Uncertainty through Adaptive Silviculture for Climate Change. (*Invited*) International Conference on Adaptation of Forests to Climate Change: Encounters between Science and Technology. October 20, 2022, Pamplona, Spain (joined virtually).

Nagel, L. 2022. Adaptive Silviculture for Climate Change. (*Invited Keynote*) Canadian Institute of Forestry National Conference: The New Normal, September 11-14, 2022, Sault Ste. Marie, Ontario.

Nagel, L., C. Peterson, M. Hammes, M. Windmuller-Campione and L. Brandt. 2022. Adapting urban and community forests to a changing climate: case study of an urban floodplain forest. (*Invited*) Front Range Urban Forestry Council, Virtual Meeting, January 20, 2022.

2021

***Muller, J., L.M. Nagel and B. Palik.** 2021. Long-term projected outcomes of adaptive silvicultural approaches aimed at climate change in northern Minnesota. Oral Presentation, Society of American Foresters National Convention, Virtual Meeting, November 3-6, 2021.

Peterson, C.L., C. Looney and L.M. Nagel. 2021. Adaptive silviculture in an era of climate-driven disturbances. Oral Presentation, Society of American Foresters National Convention, Virtual Meeting, November 3-6, 2021.

Nagel, L. 2021. (*Invited Presenter and Panelist*) Advocates for Change in the Forest Sector: Creating a Toolkit for Success Symposium, Virtual, October 18-19, 22, 2021.

Nagel, L. 2021. Managing for the Future through Adaptive Silviculture for Climate Change. (*Invited*) Department of Forestry and Natural Resources Seminar, University of Kentucky, Virtual, October 13, 2021.

Nagel, L. and C. Peterson. Climate Adaptive Forest Management: NIACS and ASCC. (*Invited*) Climate Adaptation Partnership Panel, Colorado State University, October 6, 2021.

Nagel, L. 2021. Adaptive Silviculture for Climate Change in the United States. (*Invited*) Institute of Chartered Foresters National Conference: Climate Smart Forestry: A Focus on the Fundamentals, United Kingdom, Virtual Meeting, September 30, 2021.

Nagel, L. and W. Previant. 2021. Climate-Smart Forest Management Implications of Changes in Forest Cover Type Due to Wildfires, Pest Outbreaks, and Climate Changes. (*Invited*) FIA National Users Group Virtual Meeting, USDA Forest Service, June 21-24, 2021.

Nagel, L. 2021. Managing for the Future through Adaptive Silviculture for Climate Change. (*Invited Keynote*) North American Forest Ecology Workshop (NAFEW): Turning Ecological Answers into Forest Management Actions. Virtual Meeting, June 21, 2021.

Nagel, L., G. Liogt and K. Sagheb-Talebi. 2021. Uneven-aged silviculture during a time of change. All-Division 1 Virtual Officeholders Meeting, International Union of Forest Resource Organizations (IUFRO), February 23, 2021.

2020

Nagel, L. and C. Peterson. 2020. The Adaptive Silviculture for Climate Change (ASCC) Network. (*Invited*) First Friday All Climate Change Talks (FFACCTs), USDA Forest Service Webinar Series, April 3, 2020.

Palik, B. and L. Nagel. 2020. Operationalizing Adaptive Silviculture for Climate Change in Minnesota. Webinar (*Invited*), Sustainable Forests Education Cooperative, May 19, 2020.

Nagel, L. 2020. Diversity and Inclusion During a Time of Rapid Change. Webinar (*Invited*), Wisconsin Society of American Foresters 2020 State Meeting, October 14, 2020.

2019

Looney, C., W.J. Previant, L. Nagel, J. Shaw and M. Battaglia. 2019. Variation in individual-tree growth across species mixtures provides evidence of complementarity effects in Interior West forests. 2019 FIA Stakeholder Science Meeting, November 19-21, 2019, Knoxville, TN.

Nagel, L.M., C. Looney, C. Peterson, L. Brandt, M. Janowiak, C. Swanston and J. Guldin. 2019. Increasing Adaptive Capacity of Urban Forests. Oral Presentation, XXV International Union of Forest Research Organizations (IUFRO) World Congress. September 29-October 5, 2019, Curitiba, Brazil.

Nagel, L., C. Looney, M. Battaglia, M. Tuten, C. Peterson, C. Woodall, and W. Previant. 2019. Applying Climate-Adaptive Forest Management Principles to a Mixed Conifer Landscape in Colorado, USA. Oral presentation, 10th International Association for Landscape Ecology World Congress, July 1-5, 2019, Milan, Italy.

Peterson, C., L. Nagel and C. Looney. 2019. Adaptive Silviculture for Climate Change Network: Collaborative Scientist-Manager Partnerships. (*Invited*) 12th North American Forest Ecology Workshop, June 23-27, 2019, Flagstaff, AZ.

Peterson, C., L. Nagel and C. Looney. 2019. Adaptive Silviculture for Climate Change (ASCC) Network. (*Invited*) oral presentation at the 2019 Yampa Basin Rendezvous, Colorado Mountain College, June 5, 2019, Steamboat Springs, CO.

Palik, B. and L. Nagel. 2019. Forest Service R&D-NFS-University Partnerships: Meeting a Shared Vision. (*Invited Plenary*) National Silviculture Workshop, May 21-23, 2019, Bemidji, MN.

Brandt, L., M. Sertle, H. Hamilton, C. Deaton, K. Mangan, C. Swanston, M. Hammes, L. Nagel, C. Peterson, C. Looney, M. Windmuller-Campione and R. Montgomery. Adapting Bottomland Hardwood Forests to a Changing Climate. Oral presentation, National Silviculture Workshop, May 21-23, 2019, Bemidji, MN.

Lussier, J., L. Nagel, C. Peterson, A. Taylor, Y. Boulanger and N. Thiffault. 2019. Climate Change and Silviculture: What's on the Radar and How Can We Handle It? Oral presentation, Canadian Woodland Forum, April 9, 2019, Moncton, New Brunswick, Canada.

Crotteau, J., E. Sutherland, J. Jain, D. Wright, M. Jenkins, C. Keyes, L. Nagel and C. Peterson. 2019. A Forest Management Framework for Climate Adaptation. Oral presentation, Juneau Society of American Foresters Chapter Meeting, March 14, 2019, Juneau, AK.

Peterson, C., L. Nagel and C. Looney. 2019. The Adaptive Silviculture for Climate Change (ASCC) Project: What's Happening in the USA? (*Invited*) Adapting Silviculture for a Changing Climate workshop. University of New Brunswick, Fredericton, New Brunswick, Canada. March 4, 2019.

Peterson, C., L. Nagel and C. Looney. 2019. The Adaptive Silviculture for Climate Change (ASCC) Network: A Scientist-Manager National Network. Oral presentation, Longs Peak Chapter of the Society of American Foresters. Colorado State University, January 29, 2019, Fort Collins, CO.

2018

Nagel, L.M., C. Peterson, C. Looney, J. Guldin, C. Swanston and M. Janowiak. 2018. The Use of Uneven-aged Management in Achieving Silviculture for Climate Change Goals. Oral Presentation, 11th International Union of Forest Research Organizations (IUFRO) Conference on Uneven-aged Silviculture. November 12-15, 2018, Valdivia, Chile.

- Peterson, C.,** L. Nagel, M. Battaglia, L. Asherin, M. Tuten, C. Swanston, M. Janowiak, J. Guldin, L. Joyce. 2018. Adaptive Silviculture for Climate Change: The San Juan National Forest Site. Poster presentation at the Ft. Lewis Climate Change Symposium. Fort Lewis College, October 30, 2018, Durango, CO.
- *Muller, J.J.,** L.M. Nagel and B.J. Palik. 2018. Assessing the Performance of Eight Future Climate-Adapted Species in Northern Minnesota. Oral presentation, Society of American Foresters National Convention, October 3-7, 2018, Portland, OR.
- Peterson, C.,** L.M. Nagel, M. Matonis and K. Mattor. 2018. Promoting Adaptive Forest Management through Collaborative Science-Management Partnerships. Oral presentation, Society of American Foresters National Convention, October 3-7, 2018, Portland, OR.
- Nagel, L.M.** and C. Peterson. 2018. Adaptive Silviculture for Climate Change: Land Manager-Research Partnerships to Learn from Management Objectives. (*Invited*) National Regional Inventory and Monitoring Coordinators Meeting, May 8, 2018, Fort Collins, CO.
- Peterson, C.,** L. Nagel, M. Battaglia, L. Asherin, M. Tuten, C. Swanston, M. Janowiak, J. Guldin, L. Joyce. 2018. Adaptive Silviculture for Climate Change: The San Juan National Forest Study Site. Poster presentation, Great Plains Grassland Summit, April 10, 2018, Denver, CO.
- Nagel, L.M.** 2018. A National Experiment in Manager-Scientist Partnerships to Apply a Climate Adaptation Framework. (*Invited*) Natural Resource Ecology Laboratory Spring Seminar Series, Colorado State University, March 28, 2018, Fort Collins, CO.
- Peterson, C.** and L. Nagel. 2018. Adaptive Silviculture for Climate Change: A Scientist-Manager National Network. Webinar presentation for the Climate Learning Network, March 1, 2018.
- Peterson, C.** and L. Nagel. February 21, 2018. The Adaptive Silviculture for Climate Change Project: A Scientist-Manager National Network. Oral presentation, Wisconsin Society of American Foresters, February 21, 2018, Spring Green, WI.
- *Muller, J.,** L.M. Nagel and B. Palik. 2018. Seedling Response to Adaptive Silviculture Treatments Aimed at Climate Change Northern Minnesota. Oral Presentation, Department of Forest and Rangeland Stewardship Seminar Series, Colorado State University, February 8, 2018, Fort Collins, CO.
- Nagel, L.M.** 2018. Introduction to the Adaptive Silviculture for Climate Change Network. Oral Presentation, Department of Forest and Rangeland Stewardship Seminar Series, Colorado State University, February 8, 2018, Fort Collins, CO.
- *Muller, J.,** L.M. Nagel and B. Palik. 2018. Seedling Response to Adaptive Silviculture Treatments Aimed at Climate Change Northern Minnesota. Poster Presentation, Sustainable Forests Education Cooperative Forestry and Wildlife Research Review, January 11, 2018, Cloquet Forestry Center, MN.

2017

- Nagel, L.M.** 2017. An Update from FRS & The Adaptive Silviculture for Climate Change Project. (*Invited*) Mile High Chapter of the Society of American Foresters, December 14, 2017, Golden, CO.
- Nagel, L.M.** 2017. Where is Forestry and Forestry Education Headed? (*Invited*) Forestry Leadership Speaker Series, Oregon State University, December 7, 2017, Corvallis, OR.
- *Muller, J.,** L.M. Nagel and B. Palik. 2017. Assessing Seedling Response to Adaptive Silviculture Treatments in Red Pine Forests of Northern Minnesota. Oral Presentation, Society of American Foresters National Convention, November 15-18, 2017, Albuquerque, NM.
- Peterson, C.,** L.M. Nagel, J. Guldin, C. Swanston, M. Janowiak, M. Battaglia, S. Bigelow, A. D'Amato, S. Jack, T. Jain, E. Kennedy Sutherland, B. Palik and C. Woodall. 2017. Adaptive Silviculture for Climate Change: A Scientist-Manager National Network. Poster Presentation, Society of American Foresters National Convention, November 15-18, 2017, Albuquerque, NM.
- Nagel, L.M.** 2017. The Adaptive Silviculture for Climate Change (ASCC) Project: A Scientist-Manager Partnership. (*Invited Plenary*) Oak Symposium: Sustaining Oak Forests in the 21st Century through Science-based Management, October 24-26, 2017, Knoxville, TN.
- Nagel, L.M.** et al. 2017. The Adaptive Silviculture for Climate Change National Project. Oral Presentation, National Silviculture Workshop, July 18-20, 2017, Flagstaff, AZ.

- Palik, B., **L.M. Nagel**, T. D'Amato, J. *Muller and C. Kirschbaum. 2017. Adapting Lake States Pine Forests to a Future Climate. Oral Presentation, National Silviculture Workshop, July 18-20, 2017, Flagstaff, AZ.
- Battaglia, M.**, L. Nagel, C. Swanston, L. Joyce, L. Asherin, S. Hartvigsen, G. Fitzgerald, M. Tuten and T. Leishman. 2017. Adaptive Silviculture for Climate Change (ASCC): Preparing dry mixed conifer forests for climate change. Poster Presentation, National Silviculture Workshop, July 18-20, 2017, Flagstaff, AZ.
- Bigelow, S.W.**, S.B. Jack and L.M. Nagel. 2017. Climate Change Coping Strategies for Longleaf Pine Savannas. Poster Presentation, National Silviculture Workshop, July 18-20, 2017, Flagstaff, AZ.
- D'Amato, A.W.**, C.W. Woodall, L.M. Nagel, B.J. Palik, D.A. Lutz and M.K. Janowiak. 2017. Adaptive Silviculture for Climate Change in northern hardwood forests in northern New Hampshire, USA. Poster Presentation, National Silviculture Workshop, July 18-20, 2017, Flagstaff, AZ.
- Kennedy Sutherland, E.**, B. Bollenbacher, T. Jain, M. Jenkins, D. Wright, A. Smiley, L. Nagel and M. Roske. 2017. Adaptive Silviculture for Climate Change in the Northern Rockies: Western Larch. Poster Presentation, National Silviculture Workshop, July 18-20, 2017, Flagstaff, AZ.
- *Muller, J.**, L.M. Nagel and B. Palik. 2017. Assessing Seedling Response to Adaptive Silviculture Treatments in Red Pine Forests of Northern Minnesota. Poster Presentation, National Silviculture Workshop, July 18-20, 2017, Flagstaff, AZ.
- Palik, B.**, L.M. Nagel, T. D'Amato and J. *Muller. 2017. Transitioning red pine forests to a warmer future: assisting the replacement of an iconic forest type. North American Forest Ecology Workshop, June 19-22, 2017, Alberta, Canada.
- Nagel, L.M.**, C.W. Swanston, M. Janowiak, J. Guldin, B. Palik and M. Battaglia. 2017. A Practical Approach to Translating Climate Change Adaptation Principles into Forest Management Actions. (*Invited*) Dakotas Society of American Foresters, April 19, 2017, Deadwood, SD.
- Nagel, L.M.**, C.W. Swanston, M. Janowiak, J. Guldin, B. Palik and M. Battaglia. 2017. Designing Adaptive Forest Management Experiments Through Scientist-Manager Partnerships. (*Invited*) Texas A&M Ecosystem Science and Management Department Seminar, April 4, 2017, College Station, TX.
- Nagel, L.M.**, C.W. Swanston, M. Janowiak, J. Guldin, B. Palik, M. Battaglia and M. Roske. 2017. Adaptive Forest Management in the Context of Drought: The Adaptive Silviculture for Climate Change Project. (*Invited*) National Drought Meeting, March 21-23, 2017, San Antonio, TX.
- Tinkham, W.T.**, L. Nagel and M. Roske. 2017. User needs assessment for the modernization of the Forest Vegetation Simulator. USDA Forest Service 2017 FVS e-Conference, February 28 – March 2, 2017.

2016

- Nagel, L.**, M. Battaglia, L. Asherin and M. Roske. 2016. Designing Forest Adaptation Treatments for Climate Change Through Manager-Scientist Partnerships in Southwest, CO. (*Invited*) Evening Presentation and Fieldtrip, Bridging the Divide, September 9-10, 2016, Wolf Creek Ski Area, Colorado.
- Nagel, L.** 2016. Highlights from the Department of Forest and Rangeland Stewardship, WCNR. (*Invited*) Colorado State Forest Service Annual Meeting, May 2-5, 2016, Glenwood Springs, Colorado.

2015

- Battaglia, M.**, L. Nagel, C. Swanston, L. Joyce, L. Asherin, S. Hartvigsen and G. Fitzgerald. 2015. Integrating climate change adaptation strategies in dry mixed conifer forests. Oral Presentation, Society of American Foresters National Convention, November 3-7, 2015, Baton Rouge, Louisiana.
- Palik, B.**, L. Nagel, A. D'Amato, A. Bottero, C. Kern, M. Roberts and C. Kirschbaum. 2015. Adaptive Silviculture for Climate Change in Minnesota Red Pine Forests. Oral Presentation, Society of American Foresters National Convention, November 3-7, 2015, Baton Rouge, Louisiana.
- *Premier, M.**, R. Froese and L. Nagel. 2015. Stand regeneration challenges with advances in harvesting technology. Oral Presentation, Society of American Foresters National Convention, November 3-7, 2015, Baton Rouge, Louisiana.
- Waring, K.**, A. Finkral, L. Nagel and M. Falkowski. 2015. Post-fire regeneration response and long-term projections following the Duck Lake Fire, MI. Oral Presentation, Society of American Foresters National Convention, November 3-7, 2015, Baton Rouge, Louisiana.

- Nagel, L.M.,** C. Swanston, M. Janowiak, J. Guldin, B. Palik, M. Battaglia and M. Roske. 2015. Cutting-Edge Application of Adaptive Forest Management for a Changing Climate. (*Invited*) Minnesota SAF Summer Meeting, Grand Rapids, MN, August 6-7, 2015. (presentation and fieldtrip)
- Battaglia, M.,** L. Nagel, C. Swanston, M. Janowiak and L. Joyce. 2015. Adaptive silviculture for climate change (ASCC): Integrating climate change adaptation into silvicultural planning and on-the-ground action in dry mixed conifer forests. Oral Presentation, North American Forest Ecology Workshop, Veracruz, Mexico, June 14-18, 2015.
- Palik, B.,** L. Nagel, T. D'Amato and A. Bottero. 2015. Adaptive silviculture for climate change in red pine (*Pinus resinosa*) forests, Minnesota USA. Oral Presentation, North American Forest Ecology Workshop, Veracruz, Mexico, June 14-18, 2015.
- Nagel, L.M.,** B. Palik, C. Swanston, M. Janowiak, M. Roske and J. Guldin. 2015. Changing the Climate: Cutting-Edge Application of Adaptive Forest Management on the Chippewa National Forest. Oral Presentation (*Invited*), Chippewa National Forest Research Review, Bemidji, MN, March 17, 2015.
- Nagel, L.M.,** C. Swanston, M. Janowiak, J. Guldin, B. Palik, M. Battaglia and M. Roske. 2015. Changing the Climate: Cutting-Edge Application of Adaptive Forest Management. (*Invited Departmental Seminar*) Forestry and Fisheries & Wildlife, University of Missouri, Columbia, March 13, 2015.
- Russell, M.,** A. Gupta, E. Sagor and L. Nagel. 2015. How healthy are Minnesota's forests? Insights using indicators from the FIA program. Sustainable Forests Education Cooperative Forestry and Wildlife Research Review. February 24, 2015. Cloquet, MN.
- Nagel, L.M.** 2015. The Adaptive Silviculture for Climate Change (ASCC) Project. Ignite talk, Challenges and Priorities for Managing Frequent Fire Conifer Ecosystems Workshop, Jones Ecological Research Center, Newton, GA, January 7-9, 2015.

2014

- Nagel, L.M.,** C. Swanston and M. Janowiak. 2014. Designing forest adaptation experiments through manager-scientist partnerships. Oral Presentation (*Invited*), American Geophysical Union Fall Meeting, December 15-19, 2014, San Francisco, CA.
- Falkowski, M.J.,** A.T. Hudak, P. Fekety, N. Kayastha and L.M. Nagel. 2014. Enhancing tools and geospatial data to support operational forest management and regional forest planning in the face of climate change. Poster Presentation, American Geophysical Union Fall Meeting, December 15-19, 2014, San Francisco, CA.
- Nagel, L.M.,** C. Swanston, M. Janowiak, M. Roske, J. Guldin, B. Palik and M. Battaglia. 2014. Applying adaptive silviculture in contrasting forest types. Oral Presentation (*Invited*), Society of American Foresters National Convention, October 8-11, 2014, Salt Lake City, Utah.
- Nagel, L.M.** 2014. Resilience and the Minnesota Northwoods: Adaptive silviculture for climate change. Webinar (*Invited*), Sustainable Forests Education Cooperative, Cloquet Forestry Center, September 16, 2014.
- *Reinhardt, J.R.,** L.M. Nagel, C.W. Swanston and H. Keough. 2014. Oak savanna conservation and restoration planning using habitat models for two focal species: wild lupine (*Lupinus perennis*) and the Karner Blue butterfly (*Lycæides melissa samuelis*). Oral Presentation, Ecological Society of America Annual Meeting, August 10-15, 2014, Sacramento, CA.
- Nagel, L.M.** 2014. The Hubachek Wilderness Research Center: Past, Present, and Future. Ely-Winton Historical Society Summer History Night, July 23, 2014, Ely, MN.
- Nagel, L.M.** 2014. A vision for the future: woodland owners, climate change, and invasive species. Minnesota Forestry Association Spring Field Days, May 16-17, 2014, Cloquet Forestry Center, MN.
- Nagel, L.M.** 2014. Adaptive management for climate change in Minnesota forests. Climate-Informed Forest Management: Forum and Field Day (Sustainable Forests Education Cooperative), May 7-8, 2014, Grand Rapids, MN.
- Nagel, L.M.,** C. Swanston and M. Janowiak. 2014. Urban forestry in the context of climate change. Urban Ecology Collaborative Webinar (*Invited*), April 16, 2014.

- *Reinhardt, J.R.,** L.M. Nagel and C.W. Swanston. 2014. Searching for focus: Indicator species analysis in Michigan oak savannas. Oral Presentation. Society for Ecological Restoration Midwest-Great Lakes Annual Chapter Meeting, March 28-30, 2014, St. Paul, MN.
- Nagel, L.M.** 2014. History of northern hardwood management in the Great Lakes region. Northern Hardwoods Symposium (Sustainable Forests Education Cooperative), February 19, 2014, Aitkin, MN.
- Nagel, L.M.** 2014. Resilient Forests: Adaptive Silviculture for Climate Change. (*Invited Plenary Presentation*) Minnesota Society of American Foresters Annual Meeting, January 28-29, 2014, Walker, MN.

2013

- Janowiak, M.,** C. Swanston, L.M. Nagel, L. Brandt, P. Butler, S. Handler and M. Powers. 2013. Forest adaptation: real-world examples of management for a changing climate. Oral Presentation, Society of American Foresters National Convention, October 23-27, 2013, Charleston, SC.
- *Premer, M.I.,** R.E. Froese and L.M. Nagel. 2013. Logging residue harvest effects in commercial Great Lakes *Populus* forests. Oral Presentation, Society of American Foresters National Convention, October 23-27, 2013, Charleston, SC.
- Nagel, L.M.,** C. Swanston, M. Janowiak and M. Powers. 2013. Climate change adaptation in the context of ecological restoration through urban forestry. (*Invited*), Society for Ecological Restoration, 5th World Conference. October 6-11, 2013, Madison, WI.
- Nagel, L.M.** 2013. Standard Silvicultural Prescriptions for Northern Hardwood Stands. (*Invited*) Wisconsin Society of American Foresters State Meeting. September 17-18, 2013, Minocqua, WI.
- *Reinhardt, J.R.,** L.M. Nagel and C.W. Swanston. 2013. Prioritizing land for oak savanna conservation using species distribution models (SDMs) and two umbrella species: Wild lupine (*Lupinus perennis*) and the Karner Blue butterfly (*Lycaeides melissa samuelis*). Oral Presentation, Ecological Society of America. August 5-9, 2013, Minneapolis, MN.
- *Premer, M.I.,** R.E. Froese and L.M. Nagel. 2013. Logging residue harvest effects on plant community dynamics in commercial *Populus* stands of the Great Lakes region. Oral Presentation, Ecological Society of America. August 5-9, 2013, Minneapolis, MN.
- Nagel, L.M.,** J. Guldin, C. Swanston, M. Janowiak and M. Powers. 2013. The Adaptive Silviculture for Climate Change Project. (*Invited Webinar*) First Friday All Climate Change Talks Series, US Forest Service, August 2, 2013.
- Swanston, C., M. Janowiak and L.M. Nagel.** 2013. Forest management and silviculture for climate change adaptation. One-day Workshop, Thirty-seventh Annual National Indian Timber Symposium, June 10-13, 2013, Keshena, WI.
- *Reinhardt, J.R.,** T. Hobbs and L.M. Nagel. 2013. Investigating the influence of land use history on savanna soils in lower Michigan: implications for management, restoration, and conservation. Oral Presentation, Geological Society of America 47th Annual Meeting. May 2-3, 2013, Kalamazoo, MI.
- Nagel, L.M.,** C. Swanston, M. Janowiak and M. Powers. 2013. Adaptive silviculture in a changing climate. (*Invited*) Michigan Society of American Foresters joint meeting with Canadian Institute of Forestry, Central Ontario Section, April 30-May 1, 2013, Sault Sainte Marie, MI.
- Nagel, L.M.** 2013. Integrative Communication, (*Invited speaker/facilitator*) Center for Teaching and Learning Luncheon, Michigan Technological University, March 28, 2013.
- Nagel, L.M.** 2013. Developing adaptive silvicultural strategies in the context of climate change. (*Invited Webinar*) Webinar Portal (NC State), March 27, 2013.
- Nagel, L.M.** 2013. Long-term selection silviculture and adaptive management in the context of climate change. (*Invited*) Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN, March 19, 2013.

2012

- Nagel, L.M.** 2012. Developing adaptive silvicultural strategies in the context of climate change. (*Invited Webinar*) Forest Guild, December 6, 2012. <http://www.forestguild.org/webinars.html#nagel>

- Falkowski, M.J.**, T. Gebuhr, R.E. Froese and L.M. Nagel. 2012. Use of LiDAR to characterize stage of stand development in temperate, uneven-aged hardwoods of North America. Oral Presentation, 8th International Union of Forest Research Organizations (IUFRO) Conference on Uneven-aged Silviculture, Uneven-aged silviculture: Optimising timber production, ecosystem services and resilience to climate change. November 12-16, 2012, Lincoln, New Zealand.
- Nagel, L.M.** and W.J. *Previant. 2012. Vernal pools enhance species diversity in uneven-aged northern hardwoods of North America. Oral Presentation, 8th International Union of Forest Research Organizations (IUFRO) Conference on Uneven-aged Silviculture, Uneven-aged silviculture: Optimising timber production, ecosystem services and resilience to climate change. November 12-16, 2012, Lincoln, New Zealand.
- *Pond, N.C.**, R.E. Froese and L.M. Nagel. 2012. Sustainability of the selection system in cool-temperate hardwood forests in the North American Great Lakes Region. Poster Presentation, 8th International Union of Forest Research Organizations (IUFRO) Conference on Uneven-aged Silviculture, Uneven-aged silviculture: Optimising timber production, ecosystem services and resilience to climate change. November 12-16, 2012, Lincoln, New Zealand.
- Nagel, L.M.**, C. Swanston, M. Janowiak and M. Powers. 2012. Incorporating Climate Change into Adaptive Silviculture Planning. Oral Presentation, Society of American Foresters National Convention, October 24-28, 2012, Spokane, WA.
- Falkowski, M.J.**, A.T. Hudak and L.M. Nagel. 2012. A Geospatial Approach for Initializing Climate Sensitive Forest Growth Models. Oral Presentation, Society of American Foresters National Convention, October 24-28, 2012, Spokane, WA.
- *Pond, A.C.**, R.E. Froese and L.M. Nagel. 2012. Arbogast and beyond: current management in northern hardwood stands. Oral Presentation, Society of American Foresters National Convention, October 24-28, 2012, Spokane, WA.
- Nagel, L.M.**, C. Swanston, M. Janowiak and M. Powers. 2012. Developing Adaptive Silvicultural Strategies in the Context of Climate Change. (*Invited*) College of Engineering, Forestry and Natural Sciences, Northern Arizona University, September 26, 2012.
- Falkowski, M.J.**, A.T. Hudak and L.M. Nagel. 2012. Parameterizing Climate Sensitive Forest Growth Models via LiDAR and Satellite Remote Sensing Data. Oral Presentation, SilviLaser 2012, September 16-19, 2012, Vancouver, Canada.
- Froese, R.E.**, L.M. Nagel and M.I. Premer. 2012. The effects of topwood removal on plant communities in aspen stands in the United States Upper Midwest. Oral Presentation, International Union of Forest Research Organizations (IUFRO) 2nd International Conference on Biodiversity in Forest Ecosystems and Landscapes. August 28-31, 2012, Cork, Ireland.
- Nagel, L.M.**, C. Swanston, M. Janowiak, and M. Powers. 2012. Silviculture Planning in the Face of Climate Change. (*Invited*) Second Annual Bureau of Indian Affairs Midwest Region Partners in Action Conference, June 25-28, 2012. Mt. Pleasant, MI.
- Nagel, L.M.** and M. Vasievich. 2012. Uneven-aged Northern Hardwood Systems in the Lake States. *Invited Presentation*, The Association of Consulting Foresters (ACF) National Conference. June 23-26, 2012, Grand Rapids, MI.
- *Previant, W.J.** and L.M. Nagel. 2012. Vernal Pool Spatial Patterns and Forest Diversity in Pictured Rocks National Lakeshore, Michigan. Poster Presentation, Western Great Lakes Resource Management Conference. April 17-28, 2012, Ashland, WI.
- Nagel, L.M.** 2012. The Art and Science of Teaching, *Invited Presentation*, Professional Development Forum, School of Forest Resources and Environmental Science, MTU. March 22, 2012.
- Nagel, L.M.** 2012. Forest Ecology in the Changing Climate. (*Invited Plenary*) National Indian Forestry and Wildland Fire Management Conference, The Changing Climate: People, Land and Resources. March 6-8, 2012. San Diego, CA.
- Nagel, L.M.** 2012. Adaptive Silviculture in the Changing Climate. (*Invited Panel*) National Indian Forestry and Wildland Fire Management Conference, The Changing Climate: People, Land and Resources. March 6-8, 2012. San Diego, CA.

Nagel, L.M. and M.D. Powers. 2012. Adaptive Silviculture in an Uncertain Climate Future. (*Invited Video Presentation*) Regional (R8) Science Committee, Vegetation Management Meeting, hosted by TACCIMO (Template for Assessing Climate Change Impacts and Management Options). January 25, 2012.

2011

***Previant, W.,** L.M. Nagel and C.R. Webster. 2011. Demographic Change After 50 Years of Northern Hardwood Silviculture. Poster Presentation, Society of American Foresters (SAF) National Convention. November 2-6, 2011, Honolulu, HI.

Nagel, L.M. 2011. Continuing Forestry Education for Silviculturists in the United States Forest Service. Oral Presentation, International Union of Forest Research Organizations (IUFRO) Conference on Competence Development for Forestry. September 26–October 1, Freiburg, Germany.

Nagel, L.M. 2011. Forest Ecology and Management in Great Lakes Temperate Forests. Oral Presentation, ATLANTIS Program Annual Conference. August 2-4, 2011, Helsinki, Finland.

Nagel, L.M. 2011. Ecology and Management of Northern Temperate Forests. (*Invited*) to Departamento de Ecología y Sistemática Terrestres, El Colegio de la Frontera Sur., June 7, 2011, San Cristóbal de Las Casas, Chiapas, México.

Nagel, L.M. 2011. Managing Upland Hardwoods for Greater Diversity. *Invited Presentation* for the Workshop Managing Ash Stands to Prepare for the Emerald Ash Borer, hosted by the Michigan Department of Natural Resources. April 7, 2011, Iron Mountain, Michigan.

Nagel, L.M. 2011. Silviculture in the 21st Century. (*Invited Plenary*) Conference for the Wisconsin Chapters of Society of American Foresters and The Wildlife Society. March 1-3, 2011, Wisconsin Dells, Wisconsin.

2010

***Campione, M.,** W. *Previant and L. Nagel. 2010. The Response of the Herbaceous Layer after 50 Years of Management in a Northern Hardwood Forest. Poster Presentation, Society of American Foresters National Convention. October 27-31, 2010, Albuquerque, NM.

Nagel, L.M., W. *Previant and M. *Campione. 2010. Effects of 50 years of uneven-aged silviculture in northern hardwoods: A case study. Oral Presentation, 7th International Union of Forest Research Organizations (IUFRO) Conference on Uneven-aged Silviculture, 21st Century forestry: Integrating ecologically-based, uneven-aged silviculture with increased demands for forests. September 23-30, 2010, Ljubljana, Slovenia.

Twery, M., M. Janowiak, C.W. Swanston, L. Brandt, B.J. Palik, J.B. Bradford, L.M. Nagel, C.R. Webster, A.T. Hille, S.M. Johnson and L.R. Parker. 2010. Preparing forest managers for an uncertain climate. Poster Presentation, Ecological Society of America Annual Meeting, Pittsburgh, PA, August 1-6, 2010.

2009

Nagel, L.M., C.W. Swanston, M.K. Janowiak. 2009. Integrating Climate Change Considerations into Forest Management Tools and Training. Oral Presentation, 2009 National Silviculture Workshop, Boise, ID, June 15-19, 2009.

***Bal, T.L.,** A.J. Storer and L.M. Nagel. 2009. Ash phloem reduction models vary among species and growing conditions. Poster Presentation, 20th USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 13-16, 2009.

***Shartell, L.M.,** L.M. Nagel and A.J. Storer. 2009. Multi-criteria risk models for invasive exotic plants. Poster Presentation, 20th USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 13-16, 2009.

2008

***Janowiak, M.K.,** C.W. Swanston, B.J. Palik, M.J. Twery, J.B. Bradford, L.M. Nagel, C.R. Webster, L.R. Parker, A.T. Hille and S.M. Doshi. 2008. Forest Management for an Uncertain Climate Future: Tools and Training. Poster Presentation, Society of American Foresters National Convention, Reno, NV, November 5-9, 2008.

- ***Shartell, L.M.**, L.M. Nagel and A.J. Storer. 2008. Assessment of treatment methods for the invasive exotic plant garlic mustard (*Alliaria petiolata*). Oral Presentation, Ecological Society of America Annual Meeting, Milwaukee, WI, August 3-8, 2008.
- Nagel, L.M.** 2008. Revisiting the northern hardwood silviculture toolbox. (*Invited*) Michigan Society of American Foresters Spring Meeting, Marquette, MI, April 23-24, 2008.
- Nagel, L.M.** 2008. Seeing the forest for the trees: a look at northern hardwoods. *Invited Presentation*, Biology Departmental Seminar, April 18, 2008.
- ***Shartell, L.**, L.M. Nagel and A.J. Storer. 2008. Predictive modeling for invasive exotic plants at Pictured Rocks National Lakeshore. Oral Presentation, Great Lakes Research Conference, Marquette, MI, April 1-2, 2008.
- Nagel, L.M., J.A. Vucetich and **M.P. Nelson**. 2008. Fusing science and ethics: tools for natural resource educators. Oral Presentation, University Education in Natural Resources, Corvallis, OR, March 13-15, 2008. (Nelson presented due to weather-related air travel in Houghton)
- ***Koch, R.M.**, L.M. Haugen, L.M. Nagel, M.E. Ostry and A.J. Storer. 2008. Effects of prescribed fire and fire surrogate treatments on insect pests at Muskrat Lakes Red Pine Site, Michigan. Poster Presentation, USDA Forest Service, Forest Health Monitoring Working Group Meeting, San Antonio, TX, Feb 11-14, 2008.

2007

- Nagel, L.M.** and C.R. Webster. 2007. Factors affecting diameter distribution shape in uneven-aged northern hardwoods. Oral Presentation, Society of American Foresters National Convention, Portland, OR, October 23-27, 2007.
- Webster, C.R.** and L.M. Nagel. 2007. Can historic disturbance regimes maintain tree species diversity in contemporary forests? Oral Presentation, Society of American Foresters National Convention, Portland, OR, October 23-27, 2007.
- Nagel, L.M.** 2007. Legends of the Fall: A History of Keweenaw Forests. *Invited Presentation*, Fourth Thursday in History, Keweenaw National Historic Park, September 27, 2007.
- Nagel, L.M.**, M.K. Janowiak, and C.R. Webster. 2007. Spatial scale affects diameter distribution shape in uneven-aged northern hardwoods. Pp. 41-43 In: Complex Stand Structures and Associated Dynamics: Measurement Indices and Modelling Approaches; Newton, P.F., V.M. LeMay, A. Groot, P. Marshall, W. Meades, K. O'Hara, M. Sharma, and M. Ter-Mikaelian eds., Ontario Forest Research Institute, Forest Research Information Paper No. 167. International Union of Forest Research Organizations (IUFRO) Conference, Sault Ste. Marie, Ontario, Canada, July 29 – August 2, 2007.
- ***Eberhart, T.L.**, A.J. Storer and L.M. Nagel. 2007. Living with Emerald Ash Borer: Ash reduction models as silvicultural tools. Poster Presentation, 18th USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 9-12, 2007.
- ***Shartell, L.M.**, L.M. Nagel and A.J. Storer. 2007. Risk Assessment and Treatment of Garlic Mustard in Michigan's Upper Peninsula. Poster Presentation, 18th USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 9-12, 2007.
- ***Shartell, L.M.**, L.M. Nagel, A.J. Storer, M.D. Hyslop and C.R. Webster. 2007. Risk assessment of invasive plants within the National Parks of the Great Lakes Network. Poster Presentation, George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, St. Paul, MN, April 16-20, 2007.
- ***Shartell, L.M.**, L.M. Nagel and A.J. Storer. 2007. Risk assessment and treatment of garlic mustard in Michigan's Upper Peninsula. Poster Presentation, 18th USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 9-12, 2007.

2006

- ***Janowiak, M.K.** and L.M. Nagel and C.R. Webster. 2006. Sampling scale and diameter distributions in northern hardwood forests. Poster Presentation, Society of American Foresters National Convention, Pittsburgh, PA, October 25-29, 2006.
- ***Eberhart, T.L.**, A.J. Storer and L.M. Nagel. 2006. Management of emerald ash borer: reducing resource availability to lower pest population potential. Poster Presentation, Society of American Foresters National Convention, Pittsburgh, PA, October 25-29, 2006.

- Nagel, L.M.** 2006. Ecological restoration in forested ecosystems: silviculture, forest composition and structure. (Invited) Workshop on Forest Management on National Wildlife Refuges, Madison, IN, August 8-10, 2006.
- Nagel, L.M.** 2006. Forest ecology and silvics. (Invited) Certificate Course in Ecosystem Silviculture, UMN North Central Research and Outreach Center, Grand Rapids, MN, July 25-27, 2006.
- Nagel, L.M.,** R.G. Corace and A.J. Storer. 2006. Managing for an exotic wetland invader: glossy buckthorn. Poster Presentation, Great Lakes Research Conference, Ashland, WI, March 22-23, 2006.
- *Janowiak, M.K.** and L.M. Nagel and C.W. Woodall. 2006. Assessment of forests of Isle Royale National Park. Oral Presentation, Great Lakes Research Conference, Ashland, WI, March 22-23, 2006.
- *Shartell, L.M.,** L.M. Nagel, A.J. Storer, M.D. Hyslop and C.R. Webster. 2006. Predictive modeling of invasive plants within the National Parks of the Great Lakes Network. Oral Presentation, Great Lakes Research Conference, Ashland, WI, March 22-23, 2006.
- Nagel, L.M.,** M.K. *Janowiak and C. Woodall. 2006. Vegetation of Isle Royale: Forest Inventory and Analysis. Oral Presentation, Isle Royale Vegetation Monitoring Meeting, Houghton, MI, March 9-10, 2006.
- Nagel, L.M.,** R.G. Corace and A.J. Storer. 2006. Management tools for an exotic wetland invader: glossy buckthorn. Poster Presentation, US Fish and Wildlife Service Region 3 Biological Workshop, LaCrosse, WI, February 7-9, 2006.
- Storer, A.J.,** R.M. *Koch, L.M. Haugen, L.M. Nagel and M.E. Ostry. 2006. The effects of prescribed fire and mechanical treatments on insect pests and pathogens of red pine at Muskrat Lakes, Luce County, Michigan. Poster Presentation, Annual Forest Health Monitoring Meeting, Charleston, SC, January 31-February 2, 2006.
- *Shartell, L.M.,** L.M. Nagel and A.J. Storer. 2006. A predictive model for invasive plant species for the Great Lakes Network of the National Park Service. Poster Presentation, Graduate Student Council Poster Session, MTU, February 1, 2006. *Poster won first place.*
- *Janowiak, M.,** L.M. Nagel and C.W. Woodall. 2006. Characteristics of the trembling aspen-paper birch forest type on Isle Royale. Poster Presentation, Graduate Student Council Poster Session, MTU, February 1, 2006.
- *Eberhart, T.L.,** A.J. Storer and L.M. Nagel. 2006. Modeling ash phloem removal to reduce the population potential of emerald ash borer, *Agrilus planipennis*. Poster Presentation, Graduate Student Council Poster Session, MTU, February 1, 2006.
- *Koch, R.M.,** L.M. Haugen, L.M. Nagel, M.E. Ostry and A.J. Storer. 2006. The effects of prescribed fire and mechanical treatments on insect pests and pathogens at Muskrat Lakes, Luce County, Michigan. Poster Presentation, Graduate Student Council Poster Session, MTU, February 1, 2006.

2005

- *Eberhart, T.L.,** A.J. Storer and L.M. Nagel. 2005. Modeling phloem removal from forests containing ash to reduce population potentials of emerald ash borer, *Agrilus planipennis*. Poster Presentation, Entomological Society of America Annual Meeting, Fort Lauderdale, FL, December 15-18, 2005.
- *Koch, R.M.,** L.M. Haugen, L.M. Nagel, M.E. Ostry and A.J. Storer. 2005. Interactions among prescribed fire, mechanical treatments, insect pests and pathogens in red pine: pretreatment data collection. Poster Presentation, Entomological Society of America Annual Meeting, Fort Lauderdale, FL, December 15-18, 2005.
- *Eberhart, T.L.,** A.J. Storer and L.M. Nagel. 2005. Modeling phloem removal from ash stands to reduce the density of emerald ash borer, *Agrilus planipennis*. Poster Presentation, Society of American Foresters National Convention, Fort Worth, TX, October 19-23, 2005.
- Woodall, C.W.** and L.M. Nagel. 2005. Relationships between the size, density, and biomass estimates of standing live and dead down trees in forests of the Lake States. Oral Presentation and abstract published, The 7th Annual FIA Symposium, Portland, ME, October 3-6, 2005.
- Storer, A.J.,** T.L. *Eberhart and L.M. Nagel. 2005. Living with emerald ash borer: Ash phloem model. Poster Presentation, Third Annual Emerald Ash Borer (*Agrilus planipennis*) Research and Technology Review Meeting, Pittsburgh, PA, September 26-27, 2005.

- *Eberhart T.L., A.J. Storer and L.M. Nagel.** 2005. Modeling phloem removal from ash stands to reduce the density of emerald ash borer, *Agrilus planipennis*. North Central Forest Pest Workshop, LaCrosse, WI, September 2005.
- *Powers, M.D. and L.M. Nagel.** 2005. Forest management, deer herbivory, and exotic earthworm activity contribute to Pennsylvania sedge mat formation in northern hardwood forests. Oral Presentation, Ecological Society of America Annual Meeting, Montreal, Canada, August 7-12, 2005.
- Nagel, L.M. and J. Schmierer.** 2005. An integrated field practicum for forestry and applied ecology majors: lessons learned. Poster Presentation, FIRST II National Meeting (Faculty Institutes for Reforming Science Teaching), Kellogg Biological Station, MI, May 13-15, 2005.
- Nagel, L.M., C.R. Webster and A.J. Storer.** 2005. Impact and suppression efforts for five prominent invasive plant species in northern Great Lakes forests. Oral Presentation, Fourth Annual Western Great Lakes Research Conference, Northern Michigan University, Marquette, MI, March 30-31, 2005.
- *Powers, M.D. and L.M. Nagel.** 2005. Forest management, deer herbivory, and exotic earthworm activity contribute to Pennsylvania sedge cover in Wisconsin's northern hardwood forests. Poster Presentation, Fourth Annual Western Great Lakes Research Conference, Northern Michigan University, Marquette, MI, March 30-31, 2005.
- Storer, A.J., L.M. Nagel, C.R. Webster and M.D. Hyslop.** 2005. A predictive model for exotic plant species for the Great Lakes Network of the U.S. National Park Service. Poster Presentation, Fourth Annual Western Great Lakes Research Conference, Northern Michigan University, Marquette, MI, March 30-31, 2005.
- *Lund, J.M. and L.M. Nagel.** 2005. Garlic mustard (*Alliaria petiolata*): detection and management in the Upper Peninsula of Michigan. Poster presentation, First Annual ESC/BRC Graduate Research Forum, Michigan Technological University, Houghton, MI, February 25, 2005.
- *Powers, M.D. and L.M. Nagel.** 2005. Intensive management, deer herbivory, and exotic earthworms contribute to Pennsylvania sedge invasiveness in Wisconsin's northern hardwood forests. Poster Presentation, First Annual ESC/BRC Graduate Research Forum, Michigan Technological University, Houghton, MI, February 25, 2005.
- Storer, A.J., L.M. Haugen, L.M. Nagel and M.E. Ostry.** 2005. Interactions among prescribed fire, mechanical treatments, insect pests and pathogens in red pine. Poster Presentation, USDA Forest Service, Forest Health Monitoring (FHM) Working Group Meeting, Miami, FL, January 24-27, 2005.

2004

- Woodall, C.W. and L.M. Nagel.** 2004. Contrasts in the species composition of standing live and down dead trees as an indicator of forest stand dynamics. Oral Presentation, Ecological Society of America Annual Meeting, Portland, OR, August 2-6, 2004.
- Nagel, L.M. and J.W. *Schwartz.** 2004. Stand dynamics and structural characteristics of uneven-aged northern hardwoods in the Great Lakes States. Oral Presentation, Ecological Society of America Annual Meeting, Portland, OR, August 2-6, 2004.
- Nagel, L.M.** 2004. Teaching and assessing an Integrated Field Practicum for Forestry and Applied Ecology majors. Pages 121-130 *In* Thomas E. Kolb, compiler. Proceedings of the Fifth Biennial Conference on University Education in Natural Resources. Natural Resources and Environmental Issues, volume XII, Quinney Library, College of Natural Resources, Utah State University, Logan, UT.

2003

- Nagel, L.M.** Scope and capacity for silviculture research at MTU. Oral Presentation, Great Lakes Silviculture Summit, Michigan Technological University, Houghton, MI, April 22-23, 2003.
- *Bodine, J.T., G.D. Mroz, D.D. Reed and L.M. Nagel.** Long-term silvicultural cutting trial in northern hardwoods. Poster Presentation, Great Lakes Silviculture Summit, MTU, Houghton, MI, April 22-23, 2003.

2001

Nagel, L.M. and K.L. O'Hara. Even- and multiaged stand structures: functional comparisons in ponderosa pine. Oral Presentation, International Union of Forest Research Organizations (IUFRO), Uneven-aged Silviculture: Tradition and Practices Meeting. September 24-26, 2001, Zurich, Switzerland.

Nagel, L.M. and K.L. O'Hara. The influence of stand structure on light interception and ecophysiological leaf characteristics of *Pinus ponderosa*. Oral Presentation, Ecological Society of America Annual Meeting, Madison, WI, August 5-10, 2001.

1999

Nagel, L.M. and K.L. O'Hara. 1999. Physiological differences in even- and multiaged structures of *Pinus ponderosa*. Poster Presentation, Ecological Society of America Annual Meeting, Spokane, WA, August 8-12, 1999.

Nagel, L.M. 1999. Growth and physiology of even- and multiaged structures of ponderosa pine. (*Invited*) Inland Northwest Growth and Yield Cooperative Annual Meeting. Victoria, B.C., January 21-22, 1999.

UNIVERSITY TEACHING

Integrated Field Practicum (Fall Camp) Coordinator (2001-2007), MTU

UN1001 Perspectives on Inquiry: Looking at Nature Through Pictures (2009, 2010), MTU

FW1050 Natural Resources Seminar (2008), MTU

FW3010 Practice of Silviculture (2000-2012), MTU

FW3012 Survey of Silviculture (2003-2012), MTU

FW3150 Timber Harvesting (2000), MTU

FW5000 Distinguished Ecologist Lecture Series (2009), MTU

FW5130 Forest Vegetation Dynamics (2001, 2003, 2005, 2007, 2008, 2011, 2012), MTU

FW5510 A Critique of Silviculture (2009), MTU

FW5800/6800 Graduate Student Seminar (2010), MTU

F325 Silviculture, Co-Instructor (2019), CSU

F592 Advanced Silviculture Seminar, Co-Instructor (2019), Online, CSU

F572 Advanced Silviculture Practices, Co-Instructor (2020), Online, CSU

F101 Introduction to Forest and Rangeland Stewardship, Instructor (2020, 2021), CSU

NR592 Seminar in Natural Resources, Co-Instructor (2021), CSU

GRADUATE STUDENT ADVISING

Jacob Muller (PhD) 2019. *Vegetation Response to Adaptive Silviculture Treatment Aimed at Climate Change in Northern Minnesota, USA*

Micaela Truslove (MS) 2018. *Utilization of emerald ash borer infested trees (co-advised)*

Jason Reinhardt (PhD) 2015. *Developing a spatially predictive model for the restoration of Karner blue butterfly habitat* (NSF GK12 Fellow)

Mike Premer (PhD) 2015. *Evaluating the long-term effects of logging residue harvest in Great Lakes aspen stands*

Wilfred Previant (PhD) 2015. *Evaluating long-term and multi-scale spatial patterns across Michigan's Upper Peninsula forests*

Keri Deneau (MS) 2013. *Black ash as an invasive tree at Sleeping Bear Dunes* (ATLANTIS Program)

Rocio E. Jimenez-Vazquez (MS) 2012. *Effect of reintroduction of native tree species on the community structure of the Montane cloud forests in southern Mexico* (US-AID)

Marcella Campione (MS) 2011. *Indicator Species: What will they Indicate in the Future?*

Rachel Carpenter (MS) 2008. *Assessment of Motivation and Performance in an Integrated Field Practicum for Ecologists and Foresters*

Lindsey Shartell (MS) 2007. *Development of a predictive model for exotic plant species for the Great Lakes Network of the US National Park Service*

Maria Janowiak (MS) 2007. *The effects of scale and sampling on the interpretation of northern hardwood diameter distributions*

Jennie Lund (MS) 2005. *Garlic mustard (Alliaria petiolata): detection and management in the Upper Peninsula of Michigan*

Jason Collins (Master of Forestry) 2005. *Coursework Option*

Jon Neuendorff (MS) 2005. *Stand structure and composition in a northern hardwood forest after 40 years of single-tree selection*

Matt Powers (MS) 2005. *Causal mechanisms and impacts of Pennsylvania sedge dominance in Wisconsin's northern hardwood forests*

Joe Musolf (MS) 2004. *Multi-dimensional density management diagrams and stand structure influence on ground flora for jack pine in the sandy outwash plains of Michigan's Upper Peninsula*

Joe Schwartz (MS) 2004. *Stand dynamics and silvicultural recommendations for uneven-aged northern hardwoods in Upper Michigan*

GRADUATE STUDENT COMMITTEES

Outside of my own graduate students, I have served on >50 M.S./M.F. and >20 Ph.D. graduate student committees

UNDERGRADUATE THESIS MENTORING

Peter Widin (2011) *Herbaceous vegetation across Isle Royale National Park*

Frances O'Donnell (2005) *Distribution and diversity of native weeds and exotic plants in a recreational forest and Nordic ski area* (NSF Research Experience for Undergraduates)

James Nowak (2004) *Understory community diversity and composition following 44 years of management in second-growth northern hardwood stands* (NSF Research Experience for Undergraduates)

PROFESSIONAL SERVICE

International Union of Forest Research Organizations (IUFRO) Division 1 Silviculture Deputy Coordinator 2024-present; Coordinator, 1.05.00 Uneven-aged Silviculture Division, 2019-2024, Deputy Coordinator 2024-present

National Association of University Forest Resources Programs (NAUFRP), 2015-present
Western Regional Chair, 2016-2019
NAUFRP Representative to the APLU, Budget and Advocacy Committee, 2020-2025
President-elect, 2025-present

Sustainable Forestry Initiative (SFI) Regional Technical Expert Team, 2026-present

Great Lakes Silviculture Library Steering Committee, 2025-present

Science Advisory Panel, Elliott State Research Forest, Oregon State University, 2020-2021

External Reviewer and Team Lead, Purdue's Department of Forestry and Natural Resources, Sept-Oct 2020

External Reviewer, Wilderness Institute at the University of Montana, February 2020

Member, National Association of University Range Programs (NAURP)

SAF Accreditation Site Team Lead, New Mexico Highlands University, April 2019

External Reviewer, Forestry and Natural Resources Program at Cal Poly, April 2019

Society of American Foresters National Convention Review Committee, 2017-2018

External Reviewer, School of Forestry Graduate Programs, Northern Arizona University, October 2017

Workshop participant, McIntire-Stennis Communications (led by NAUFRP), Atlanta, GA, August 2017

Northern Colorado Forestry Council Member, 2016-present

External Panel Member, Fire Ecology and Management Program at the University of Idaho, April 2016

Co-leader for Silviculture Instructor's Tour, MN-WI, October 2016

Panel member for "An Evening with Jim Furnish" at Avogadro's Number, September 2016

Advisory Board Member, Agriculture, Forestry and Climate Science Virtual Learning Network (collaboration between The eXtension Foundation and the USDA Regional Climate Hubs), 2015

Program Co-Chair for the 2016 Society of American Foresters National Convention, November 2-6, 2016, Madison, WI

Planning committee for the 2015 Society of American Foresters National Convention, Baton Rouge, LA

External reviewer for Southern Illinois University's Masters Program, Department of Forestry, College of Agricultural Sciences, Carbondale, IL, January 2013

Faculty Advisor for Student Chapter (MTU) of Society of American Foresters, 2007-2013

Scientific Organizing Committee, 8th International Union of Forest Research Organizations (IUFRO) International Conference on Uneven-aged Silviculture: Optimizing timber production, ecosystem services and resilience to climate change. November 12-24, 2012, Lincoln University, Lincoln, New Zealand.

Member of Executive Team, Michigan Chapter of the Society of American Foresters, 2007-present

Member of Seney National Wildlife Refuge Biological Review Team, August, 2006

Poster judge, Ecosystem Science Center Graduate Student Forum (MTU), 2006, 2008, 2009, 2011, 2013

Panel Member for USDA-CSREES NRI Managed Ecosystems Program, Washington, D.C., 2004-2007

Proposal reviewer for The National Fish and Wildlife Foundation, 2008

Proposal reviewer for The Maine Agricultural and Forest Experiment Station (MAFES), 2006

Proposal reviewer for the National Institute for Climatic Change Research (NICCR), 2006

Ad-hoc proposal reviewer for National Science Foundation, 2008

Ad-hoc proposal reviewer for National Science Foundation, 2007

Ad-hoc proposal reviewer for US Civilian Research and Development Foundation, 2005

Ad-hoc proposal reviewer for USDA-CSREES NRI Soil Processes Program, 2005

Steering Committee Member for the Great Lakes Silviculture Summit held at MTU April 22-23, 2003, sponsored by MeadWestvaco Corporation, Michigan State University, Michigan Technological University, USDA Forest Service North Central Research Station, and the University of Minnesota

Judge for Western Upper Peninsula Science Fair (2001, 2002)

*Numerous reviews for ad hoc grant proposals for various agencies and universities

*Numerous external review letters for promotion and tenure packets at various universities

*External panel reviewer for numerous USDA Forest Service scientist panels

*Numerous letters of support for Fulbright and other awards received by faculty and colleagues

UNIVERSITY SERVICE

Budget Analysis and Restructure Committee (2025), USU (with Deloitte)

Operational Modernization Working Group (2024-2025), USU

Co-lead for Academic Enterprise Redesign, Provost Office (2024), USU

Steering Committee, Janet Quinney Lawson Institute for Land, Water, and Air (2022-present), USU

University Physical Resources Planning Committee (2022-2023), USU

Grant Review Committees, Extension and Utah Agricultural Experiment Station (2022-present), USU

Chair, Academic Master Plan Advisory Committee and Planning Team (2021-2022), CSU **served at the request of Provost Pedersen*

Search Committee for Colorado State Forester/Director, CSFS (2021), CSU

Pennock Distinguished Service Award Selection Committee (2020, 2021, 2022), CSU

Internal Program Reviewer for Department of Agricultural and Resource Economics (2020), CSU

Search Committee for CSFS-WCNR Academic Liaison and Experiential Learning Specialist (2019-2020), CSU

Chair, Search Committee for Department Head of Fish, Wildlife, and Conservation Biology (2017-2018), CSU

Departmental Action Team, Forest and Rangeland Stewardship (programmatic assessment, 2017-present), CSU

Search Committee for Associate Director for Science and Data, Colorado State Forest Service (CSFS, 2017-2018), CSU

Selection Committee for pilot WCNR-CSFS Internship Program (2017-2018), CSU

Advisory Board Member, Fire and Emergency Services Administration (2015-present), CSU

Panel Member, Teaching and Learning Institute (TILT) Summer Conference: High-Impact Educational Practices Intersect with the Science of Learning (May 2017), CSU

Monfort Professor Selection Committee (2017), CSU

Search Committee for CO Agriculture Experiment Station Deputy Director (2016), CSU
 Search Committee for CSFS University Liaison and Experiential Learning Coordinator (2016-2017), CSU
 Chair, Budget Area Review Committee (Appointed by Provost, FY2016, FY2017), CSU
 Masters of Natural Resources Stewardship (MNRS) Advisory Committee (2015-present), CSU
 Lead, Departmental Strategic Planning Committee (2015-2016), CSU
 Advisory Committee, Plant Growth Facility (2015-current), CSU
 College Research Advisory Committee (CFANS, 2015), UMN
 Chair, Search Committee for Silviculture Faculty Position (Dept FR, 2014-2015), UMN
 Search Committee for two Associate Dean positions (CFANS, 2014) UMN
 Chair, Hubachek Wilderness Research Center (HWRC) Oversight Committee (2013-2015), UMN
 College Honors and Awards Committee (CFANS, 2014-2015), UMN
 Strategic Plan Revision Committee, Department of Forest Resources (2013-2014), UMN
 Reviewer for SURF (Summer Undergraduate Research Fellowship) program (2013), MTU
 Invited Speaker for Workshop Series on Proposal Development for New Faculty – USDA: Agency Overview, Organization, and Culture (January 22, 2013), MTU
 Invited Speaker for “Academic Success” session during Orientation Week (August 24, 2011), MTU
 FRES Tenure, Promotion and Reappointment Committee (2009-2012, Chair 2011-2012), MTU
 Honors and Awards Committee (appointed by the President, 2011-2014), MTU
 Faculty Advisor for MTU Student Chapter of the Society of American Foresters (2007-2013), MTU
 Faculty Senate Alternate for FRES (2007-2013), MTU
 Instructional Policy University Committee (2007-2013), MTU
 Jurgensen Teaching Award Committee (2011-2013), MTU
 Research Forest and Ford Center Management Committee (2000-2013), MTU
 General Education Council Member (appointed by the Provost, 2009-2013), MTU
 Search Committee for Dean (FRES, 2011-2012), MTU
 Reviewer for DeVlieg Foundation Fellowships (2011), MTU
 Climate Survey Steering Committee (2010-2011), MTU
 FRES Dean’s Evaluation Committee (2009-2010), MTU
 Academic Policy Committee (2009), MTU
 Chair, Search Committee for Tree Physiology faculty position (2009), MTU
 Presenter for Workshop: FRES Undergraduate and Elective Credits (March 18, 2008), MTU
 MTU Summer Undergraduate Research Fellowship (SURF) Reviewer, (2008), MTU
 Strategic Hiring Initiative: Sustainability Cognate Reviewer (2008), MTU
 Interschool Promotion and Tenure Committee (2006-2008)
 Student Advisory Committee, Integrated Field Practicum (Fall 2007), MTU
 Barry M. Goldwater Scholarship University Committee (2007), MTU
 Co-Curricular University Committee (2007), MTU
 Search Committee for On-site Manager of the Ford Forestry Center (2005-2006), MTU
 Advisory Committee Member, Michigan Tech Center for Water and Society (MTCWS, 2005-2007)
 Search Committee for two Wildlife Ecology faculty positions (2005-2006), MTU
 Sub-committee member for SAF Accreditation 2005 (Standard V – Students), MTU
 Graduate Faculty Council Alternate Representative for SFRES (University Committee, 2003-2006), MTU
 Search Committee for Quantitative Ecology/Forest Management faculty position (2001-2002), MTU
 Ad hoc School Web-page Committee (SFRES, 2001-2002), MTU
 Ad hoc School Library Committee (SFRES, 2001-2002), MTU
 Graduate Studies Committee (SFRES, 2001-2004), Chair in 2003-2004, (SFRES, 2006-2009), MTU
 Curriculum Committee (SFRES, 2000-2003), Chair in 2002-2003, MTU
 Search Committee for Biometrics faculty position (2000-2001), MTU

OUTREACH and ENGAGEMENT

Lead PI and Facilitator for the [Adaptive Silviculture for Climate Change](#) (ASCC) International Network
Scientist-Manager Workshops

- ASCC Collaborator Network Meeting, Minneapolis, MN, June 10-14, 2024
- Driftless Region, Iowa, Minnesota, Wisconsin, Virtual, December 2, 9-10, 2021
- John Prince Research Forest, Univ of Northern British Columbia and partners, Virtual, June 2, 9-10, 2021
- Colorado State Forest Service, Virtual, December 8-10, 2020
- Petawawa Research Forest, Pembroke, Ontario, July 16-18, 2019
- Mississippi National River and Recreation Area (MNRRA), St. Paul, MN, March 25-26, 2019
- ASCC Collaborator Network Meeting, Fort Collins, CO, January 9-10, 2018
- Second College Grant, Dartmouth College, NH, August 2-4, 2016
- Flathead National Forest and Coram Experimental Forest, Kalispell, MT, June 28-30, 2016
- Joseph W. Jones Ecological Research Center, Ichaway, GA, January 12-14, 2016
- San Juan National Forest, Pagosa Springs, CO, March 4-6, 2014
- Chippewa National Forest and Cutfoot Experimental Forest, Deer River, MN, June 25-27, 2013

Director/Instructor for the US Forest Service National Advanced Silviculture Program (NASP)

- Ecological Systems Session, NASP 9, June 15-26, 2015 – UMN
- Lake States Silviculture Session, April 20-May 1, 2015 – UMN
- Ecological Systems Session, NASP 8, June 9-20, 2014 – UMN
- Ecological Systems Session, NASP 7, May 6-17, 2013 – MTU
- Lake States Silviculture Session, July 9-20, 2012 – MTU
- Ecological Systems Session, NASP 6, May 14-25, 2012 – MTU
- Ecological Systems Session, NASP 5, May 16-27, 2011 – MTU
- Local Lake States Silviculture Module, June 6-18, 2010 – MTU
- Ecological Systems Session, NASP 4, May 10-21, 2010 – MTU
- Ecological Systems Session, NASP 3, May 11-22, 2009 – MTU
- Lake States Silviculture Session, June 9-14, 2008 – MTU
- Ecological Systems Session, NASP 2, May 12-23, 2008 – MTU
- Ecological Systems Session, NASP 1, May 13-25, 2007 – MTU

Director/Instructor for the US Forest Service PASS (Program of Advanced Studies in Silviculture)

- Lake States Silviculture Session May 15-26, 2006 – MTU
- Biological and Earth Sciences Session, July 10-22, 2005 – MTU
- Lake States Silviculture Session, July 13-25, 2003 – MTU
- Biological and Earth Sciences Session, September 8-20, 2002 – MTU
- Lake States Silviculture Session, September 2000 – MTU

Instructor for the US Forest Service National Advanced Silviculture Program (NASP 10-15), 2016-2021

NASP/PASS Panel Member – served on 11 Forest Service and BIA certification panels, 2004-2012, 2020

Co-facilitator for Climate Impacts and Adaptation Workshop for the Pike, San Isabel, Arapaho, and Roosevelt National Forests, Fort Collins, CO, November 13-14, 2019

Co-facilitator for Colorado Forest Action Plan Adaptation Workshop for the Colorado State Forest Service, Fort Collins, CO, June 13-14, 2019

Invited workshop participant and partner panelist, USFS Experimental Forests and Ranges, Eugene, OR, November 2018

Featured Speaker, Student Alpha Club (SAF), February 2018

Team Lead for collaborative project with the Colorado State Forest Service (Project: *Developing Collaborative Science-Management Partnerships Through an Adaptive Forest Management Program*), 2017-2018

Featured Speaker for Tree Campus USA Tree Planting Event, April 2017

Guest Lecturer in F325 Silviculture, April 2017

Featured Speaker for Student Chapter of the Society for Women Environmental Professionals (SWEP), February 2017

Fieldtrip leader for Bureau of Indian Affairs Forestry Coop Student group, CFC, August 19, 2014

Fieldtrip leader and presenter for Nature Management class from Norway, CFC, September 30, 2014
 Instructor, Co-Director, and Course Designer for TACCT: Training in Advanced Climate Change Topics, joint with the US Forest Service and NIACS (Northern Institute of Applied Climate Science)

- March 15-19, 2010, Pyle Center, Madison, WI
- April 2-6, 2012, Pyle Center, Madison, WI

Co-facilitator for Science Applications and Needs Workshop, April 27-28, 2010, Madison, WI. Workshop was part of the Climate Change Response Framework project co-led by the Chequamegon-Nicolet National Forest, the USDA Forest Service, and the Northern Institute of Applied Carbon Science

Fieldtrip Leader, Summer Field Tour on Silvicultural Research, Ford Forestry Center, Alberta, MI, August 21, 2009. Hosted by UP Chapter Michigan Society of American Foresters

Guest Lecturer at the University of Applied Sciences, Eberswalde, Germany. June 2009. Presentations: *Pinus* Management across North America, Northern Hardwood Research and Management of the Great Lakes Region, and North American Perspective on Climate Change and Related Impacts on Forests

Instructor for Certificate Course in Ecosystem Silviculture sponsored by the University of Minnesota and the Blandin Foundation, Grand Rapids, MN, July 25-27, 2006

Instructor for the Forest Resources and Environmental Sciences Teacher Institute held at the MTU Ford Forestry Center/MTU campus: 2004, 2005, 2007, 2009, 2010

Guest instructor for sixth grade science class, Houghton-Portage Middle School. Presentation and exercise "Height growth and development in red pine trees" May 29, 2004

Guest Lecturer in UN1001 Perspectives course, Title of lecture: Sustainable Forest Management, September 25, 2002

Instructor/Fieldtrip leader for Korean Teachers, Ford Forestry Center (MTU): 2002, 2003, 2004, 2006

MTU organizer for satellite conference on gentle logging, March 20, 2001

Instructor for short-course on Northern Hardwood Silviculture, Mead Paper Co., October 2001

Instructor for the Detroit Area Pre-College Engineering Program, Ford Forestry Center, July 2001

Presenter at Middle/High School Teacher Workshop (sponsored by the GEM Center), Lake Linden-Hubbell School Forest, April 2001

Fieldtrip leader for Lake Superior Youth Symposium, May 17-20, 2001

OTHER HONORS and AWARDS

Bertha Morton Scholarship, awarded by the Graduate School at the University of Montana, 1999-2000
 George Bright Fellowship, School of Forestry, University of Montana, 1998-1999
 Certificate of Appreciation, The Native American Students at Washington State University, 1997
 Frances Premo Scholarship, Washington State University, 1996-1997
 Dean's List, eight semesters, South Dakota State University, 1990-1994
 A.A. Hofer Undergraduate Research Award, South Dakota State University, 1994
 College of Agricultural and Biological Sciences Scholarship, South Dakota State University, 1992-1994
 Mabelle Eberle Scholarship, South Dakota State University, 1992-1993

PROFESSIONAL MEMBERSHIPS

Society of American Foresters

EDITORSHIPS

Guest Associate Editor, *Northern Journal of Applied Forestry*, 2011
 Associate Editor for Silviculture, *Forest Science*, 2011-2015

REVIEWER for: *Ambio*, *Bioscience*, *Canadian Journal of Forest Research*, *CBE – Life Sciences Education*, *CHOICE Magazine*, *Ecological Applications*, *Environmental Conservation*, *Forest Ecology and Management*, *Forest Science*, *Forests*, *Forestry*, *International Journal of Plant Sciences*, *Journal of Forest Research*, *Journal of Forestry*, *Journal of the Torrey Botanical Society*, *Journal of Tropical Forest Science*, *New Forests*, *Northern*

Journal of Applied Forestry, Open Journal of Forestry, Southern Journal of Applied Forestry, Tree-Ring Research, Western Journal of Applied Forestry

Proceedings of the 2008 Central Hardwood Forest Conference

Proceedings of the 2009 National Silviculture Workshop

Reviewer for book chapter in "Climate Change Adaptation and Mitigation Management Options: A Guide for Natural Resource Managers in Southern Forest Ecosystems"

Reviewer for "A Revised Management Guide for Red Pine" compiled and edited by D.W. Gilmore, B.J. Palik, and J.W. Benzie

Reviewer for "Development of the Selection System in Northern Hardwood Forests: An 80-year Silviculture Research Legacy with Impacts Across Borders" a chapter to be included in a book about Experimental Research Forests in the US Forest Service

BOOK REVIEWS & OTHER PUBLICATIONS

Nagel, L.M. 2011. Temperate and Boreal Rainforests of the World: Ecology and Conservation. Review for CHOICE 48:5688.

Nagel, L.M. 2010. Carbon sinks and climate change: forests in the fight against global warming. Review for CHOICE 48:0260

Nagel, L.M. 2009. Cottonwood and the River of Time: On Trees, Evolution, and Society. Review for CHOICE 47:2564.

Nagel, L.M. 2009. A Critique of Silviculture: Managing for Complexity. Review for CHOICE 46:5609.

Nagel, L.M. 2008. Ecology of Woodlands and Forests: Description, Dynamics and Diversity. Review for CHOICE 45:539.

Nagel, L.M. 2007. Undoing the damage: silviculture for ecologists and environmental scientists. Review for CHOICE 44:3859.

Nagel, L.M. 2003. Anatomy of a conflict: identity, knowledge, and emotion in old-growth forests. Review for CHOICE 40:4011.

Nagel, L.M. 2002. Forest dynamics and disturbance regimes: studies from temperate evergreen-deciduous forests. Review for CHOICE 40:2161.

Nagel, L.M. and R.G. Corace. 2002. Why the rift between ecology and forestry – aren't they one and the same? Upper Peninsula Environmental Coalition Newsletter 28(2):7-8.