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Michigan Technological University
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Education

B.S., Forestry, State University of New York, College of Forestry 1961
M.S., Silviculture, State University of New York, College of Forestry 1965
Ph.D., Soil Science (Microbiology), North Carolina State University 1967

Experience

1987-1988: Acting Director, Institute of Wood Research, Michigan Technological University
1970-Present: Assistant Professor, Associate Professor, and Professor, School of Forest Resources and Environmental Science, Michigan Technological University
1967-69: Management Agronomist, U.S. Air Force, San Antonio, Texas

Awards

2003: Society of American Foresters - Carl Alwin Schenk Teaching Award
2002: Society of American Foresters - Fellow
2000: Michigan Technological University Teaching Award
1980-81: New Zealand Senior Research Fellowship
1978: Michigan Technological University Faculty Research Award
1965-66: National Science Foundation Predoctoral Fellowship

Publications

Books, Book Chapters - 8

Refereed journals - 101

Non-refereed journals, symposia proceedings - 65

Selected articles

Page-Dumroese, D.S., M.F. Jurgensen, and T. Terry. 2010. Maintaining Soil Productivity during Forest or Biomass-to-Energy Thinning Harvests in the Western United States. *Western Journal of Applied Forestry* 25: 5-10.

Kilpeläinen, J., L. Finér, S. Neuvonen, P. Niemelä, T. Domisch, A.C. Risch, M.F. Jurgensen, M. Ohashi, L. Sundström. 2009. Does the mutualism between wood ants (*Formica rufa* group) and *Cinara* aphids affect Norway spruce growth? *Forest Ecology and Management* 257: 238–243.

- Storer, A.J., M.F. Jurgensen, A.C. Risch, J. Delisle, and M.D. Hyslop. 2008. The fate of an intentional introduction of *Formica lugubris* to North America from Europe. *Journal of Applied Entomology* 132: 276-280.
- Tarpey, R.A., M.F. Jurgensen, B.J. Palik, and R. K. Kolka. 2008. The long-term effects of silvicultural thinning and partial cutting on soil compaction in red pine (*Pinus resinosa* Ait.) and northern hardwood stands in the northern Great Lakes Region of the United States. *Canadian Journal of Soil Science* 88: 849-857.
- Page-Dumroese, D.S., Dumroese, R.K., Jurgensen, M.F., Abbott, A., Hensiek, J.J. 2008. Effect of nursery storage and site preparation techniques on field performance of high-elevation *Pinus contorta* seedlings. *Forest Ecology and Management* 256: 2065–2072.
- Risch, A.C., M.F. Jurgensen, D.S. Page-Dumroese, O. Wildi, and, M. Schutz. 2008. Long-term development of above- and below-ground carbon stocks following land-use change in subalpine ecosystems of the Swiss National Park. *Canadian Journal of Forest Research* 38: 1590 – 1602.
- Jurgensen, M.F., L. Finér, T. Domisch, J. Kilpeläinen, P. Punttila, M. Ohashi, P. Niemelä, L. Sundström, S. Neuvonen, and A.C. Risch. 2008. Organic mound-building ants: their impact on soil properties in temperate and boreal forests. *Journal of Applied Entomology* 132: 266-275.
- Fissore, C., C.P. Giardina, R.K. Kolka, C.C. Trettin, G.M. King, M.F. Jurgensen, C.D. Barton, and S.D. McDowell. 2008. Temperature and vegetation effects on soil organic carbon quality along a forested mean annual temperature gradient in North America. *Global Change Biology* 14: 193-205.
- Cerdà, A. and M.F. Jurgensen. 2008. The influence of ants on soil and water losses from orange orchards in eastern Spain. *Journal of Applied Entomology* 132: 306-314.
- Busse, M.D., M.F. Jurgensen, D.S. Page-Dumroese, and R.F. Powers. 2007. Contribution of actinorhizal shrubs to site fertility in a northern California mixed pine forest. *Forest Ecology and Management* 244: 68 – 75.
- Jurgensen, M. F., D. Reed, D. Page-Dumroese, P. Laks, A. Collins, G. Mroz, M. Degorski. 2006. Wood strength loss as a measure of decomposition in northern forest mineral soil. *European Journal of Soil Biology* 42: 23 – 31.
- Page-Dumroese, D.S. and M.F. Jurgensen. 2006. Soil carbon and nitrogen pools in mid- to late-successional forest stands of the northwestern United States: potential impact of fire. *Canadian Journal of Forest Research* 36: 2270 - 2284.

- Page-Dumroese, D.S., M.F. Jurgensen, A.E. Tiarks, F. Ponder, Jr., F.G. Sanchez, R.L. Fleming, J.M. Kranabetter, R.F. Powers, D.M. Stone, J.D. Elioff, and D.A. Scott. 2006. Soil physical property changes at the North American Long-Term Soil Productivity study sites: 1 and 5 years after compaction. *Canadian Journal of Forest Research* 36: 551 – 564.
- Risch, A.C., M.F. Jurgensen, M. Schutz and D.S. Page-Dumroese. 2005. The contribution of red wood ants to soil C and N pools and CO₂ emissions in subalpine forests. *Ecology* 86: 419 - 430.
- Jurgensen, M.F., A.J. Storer, A.C. Risch. 2005. Red wood ants in North America. *Annales Zoologici Fennici* 42: 235 – 242.
- Page-Dumroese, D., M.F. Jurgensen, and A.E. Harvey. 2003. Fire and fire-suppression impacts on forest-soil carbon. In: Kimble, JM, Heath, LS, Birdsey, RA, and Lal R (Eds). *The Potential of US Forest Soils to Sequester*. New York, USA: CRC Press. p. 201-210.
- Trettin, C.C. and M.F. Jurgensen. 2003. Carbon cycling in wetland forest soils. In: Kimble, JM, Heath, LS, Birdsey, RA, and Lal R (Eds). *The Potential of US Forest Soils to Sequester*. New York, USA: CRC Press. p. 311-332.
- Page-Dumroese, D., Jurgensen, M., Elliot, W., Rice, T., Nesser, J., Collins, T., Meurisse, R. 2000. Soil quality standards and guidelines for forest sustainability in northwestern North America. *Forest Ecology and Management* 138: 445 - 462.
- Liechty, H.O., M.F. Jurgensen, G.D. Mroz, and M.R. Gale. 1997. Pit and mound topography and its influence on storage of carbon, nitrogen, and organic matter within an old-growth forest. *Canadian Journal of Forest Research* 27: 1992 - 1997.
- Page-Dumroese, D.S., A.E. Harvey, M.F. Jurgensen, and M.P. Amaranthus. 1998. Impacts of soil compaction and tree stump removal on soil properties and outplanted seedlings in northern Idaho. *Canadian Journal of Soil Science* 78: 29 - 34.
- Page-Dumroese, D.S., M.F. Jurgensen, R.E. Brown, and G.D. Mroz. 1999. Comparison of methods for determining bulk densities of rocky forest soils. *Soil Science Society of America Journal* 63: 379 - 383.
- Jurgensen, M.F., D.L. Richter, M.M. Davis, and M.R. McKevlin. 1997. Mycorrhizal relationships of bottomland hardwoods. *Wetlands Ecology and Management* 4: 223 - 233.
- Jurgensen, M.F., A.E. Harvey, R.T. Graham, D.S. Page-Dumroese, J.R. Tonn, M.J. Larsen, and T.B. Jain. 1997. Impacts of timber harvesting on soil organic matter, nitrogen, productivity, and health of Inland Northwest forests. *Forest Science* 43: 234 - 251.