

CURRICULUM VITAE

(3/08)

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Degrees:

1989. Ph.D., Forest Biology (Soil Microbiology/Mycology),
Department of Biological Sciences and School of Forestry, MTU, Houghton, MI
1983. M.A., Biology (Botany, Microbiology), St. Cloud State Univ., St. Cloud, MN
1978. B.A., Biology, St. Cloud State Univ., St. Cloud, MN
1975. B.A., Liberal Arts, St. Cloud State Univ., St. Cloud, MN

Professional Experience

2/93 to present:

Research Scientist II and Adjunct Associate Professor, Wood Protection Group, (former Institute of Wood Research). Mycologist and Forest Pathologist; tree disease, wood decay, mold and fungicide testing. Courses taught: Forest Pathology (3 cr), Diseases and Insects of Forests (5 cr), Fungal Ecology and Forest Diseases (FW4700, 3 cr, current)

10/90 to 1/93:

Assistant Research Scientist, Institute of Wood Research MTU. Lab mycology research: fungus isolation and identification, wood decay and preservation, bioremediation research

7/91 to 8/91:

Visiting Scientist, Estonian Academy of Sciences, Institute of Ecology and Marine Research, Univ. of Tartu, Estonia. Field work and collaboration on root fungi of forest understory plants under impact of pollution.

12/89 to 5/90:

Assistant Research Scientist, School of Forestry and Wood Products, MTU. Field mycology research: forest pathology, litter decomposition, data analysis.

6/83 to 11/89:

Graduate Research Assistant (Ph.D. studies), School of Forestry, MTU. Field and lab research in Forest soil microbiology, mycorrhizae, silviculture; assisted teaching Forest Pathology.

9/80 to 5/83:

Graduate Teaching Assistant (M.A.), Department of Biology, St. Cloud State Univ., St. Cloud, Minnesota. Field and lab research in botany and mycorrhizae; assisted teaching General Biology, Human Biology, Botany, Mycology, and related courses.

Professional Affiliations

Mycological Society of America
North American Mycological Association
Sigma Xi, Scientific Research Society
Society of American Foresters
The Michigan Botanical Club
The Michigan Entomological Society

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Publications:

Richter, D.L. 2008. Revival of saprotrophic and mycorrhizal basidiomycete cultures after twenty years in cold storage in sterile water. *Canadian Journal of Microbiology*. (submitted 2/08).

Richter, D.L. and B.L. Morse. 2008. The western giant puffball (*Calvatia booniana* A.H. Smith) in Northern Michigan. *The Michigan Botanist*. (accepted 3/08).

Richter, D.L., S.C. Robinson, M.P. Beardslee and M.L. Habarth. 2008. Differential sensitivity of fungi to lithium chloride in culture media. *Mycological Research*. (in press).

Richter, D.L. and L.C. Kangas. 2007. Fungus collections from the Huron Mountains in the University of Michigan Herbarium Fungus Collection. Report to the Huron Mountain Wildlife Foundation. *In: All Taxa Biodiversity Inventory* at http://www.hmwf.org/species_list.php.

Robinson, S.C., P.E. Laks, **D.L. Richter** and J.B. Pickens. 2007. Evaluating loss of machinability in spalted sugar maple. *Forest Products Journal* 57 (4): 33-37.

Robinson, S.C., **D.L. Richter** and P.E. Laks. 2007. Colonization of sugar maple by spalling fungi. *Forest Products Journal* 57 (4): 27-32.

Brodeur-Campbell, S.E., J.A. Vucetich, **D.L. Richter**, T.A. Waite, J.N. Rosemier, and C-J. Tsai. 2006. Insect herbivory on low-lignin transgenic aspen. *Environ. Entomology* 35(6):1696-1701.

Richter, D.L. and M.P. Beardslee. 2005. List of fungi of the Huron Mountains. *In: Woods, K.D. (Compiler). (2007). An all-taxa biodiversity inventory of the Huron Mountain Club. Occasional Publications of the Huron Mountain Wildlife Foundation, No. 5. Version: August 2007. http://www.hmwf.org/species_list.php.*

P.E. Laks, K. Vehring, S. Verhey, and **D.L. Richter**. 2005. Effect of manufacturing variables on mold susceptibility of wood-plastic composites. Eighth International Conference on Woodfiber-Plastic Composites. Forest Products Society, Madison, WI. pp. 265-270.

Richter, D.L. 2004. Rare and unusual fungi (Basidiomycota) of the Huron Mountains, Marquette Co., MI. *The Michigan Botanist* 43 (2):65-80.

Richter, D.L., P.E. Laks, K.M. Larsen and A.L. Stephens. 2004. Comparison of isolates and strains within the brown rot fungus genus *Gloeophyllum* using the soil block decay method. *Forest Products Journal* 55 (1):72-75.

Richter, D.L. and M.P. Beardsee. 2004. Probing the infinitesimal: the number of spores in a giant puffball. *Mushroom, the Journal of Wild Mushrooming*, Vol 22 (3): 6-7.

Richter, D.L., J.I. Warner and A.L. Stephens. 2003. A comparison of mycorrhizal and saprotrophic fungus tolerance to creosote in vitro. *International Biodeterioration & Biodegradation* 51:195-202.

Martinez, I., J.B. Pickens, **D.L. Richter**, and B.D. Orr. 2003. Eutypella canker clustering and volume loss in the Western Upper Peninsula of Michigan. *Northern J. Appl. Forestry*. 20 (4):186-187.

Laks, P.E., **D.L. Richter**, and G.M. Larkin. 2002. Fungal susceptibility of interior commercial building panels. *For. Prod. J.* 52 (5):41-44.

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Bagley, S.T. and **D.L. Richter**. 2002. Biodegradation by brown rot fungi. Chapter 16. *In: The Mycota X, A Comprehensive Treatise on Fungi as Experimental Systems and Applied Research, Industrial Applications*. K. Esser and J.W. Bennett (eds). Springer-Verlag, Heidelberg, pp 327-341.

Verhey, S., P. E. Laks, and **D.L. Richter**. 2001. Laboratory decay resistance of wood fiber thermoplastic composites. *For. Prod. J.* 51 (9): 44-49.

Richter, D.L. and P. E. Laks. 2001. Fungus wood decay laboratory. *Micol. Aplic. Int.* 13 (1):41-44.

Laks, P.E., **D.L. Richter** and G.M. Larkin. 2000. Biological deterioration of wood-base composite panels. *Wood Design Focus* 11 (4):7-11.

D.L. Richter. 1998. White pine blister rust in the forests of the Huron Mountain Club, Marquette Co., MI. *The Michigan Botanist* 37:91-98.

Zhou, M., T.L. Sharik, M.F. Jurgensen, **D.L. Richter**, M.R. Gale and T.D. Drummer. 1998. Regeneration of northern red oak in relation to ectomycorrhizae in oak and pine stands after overstory and understory manipulations. *Northern J. Appl. For.* 15(4):

Jurgensen, M.F., **D.L. Richter**, M.M. Davis, M.R. McKevlin and M.H. Craft. 1997. Mycorrhizal relationships of bottomland hardwoods in the Southern United States. *Wetlands Ecology and Management* 4:223-233.

Richter, D.L. 1997. Rare and interesting plants of the Michigan Audubon wildlife sanctuaries of Keweenaw County. *Michigan Birds and Natural History* 4:79-87.

Zhou, M., T.L. Sharik, M.F. Jurgensen, and **D.L. Richter**. 1997. Ectomycorrhizal colonization of *Quercus rubra* seedlings in response to vegetation removals in oak and pine stands. *Forest Ecology and Management* 93: 91-99.

Bills, S.N., **D.L. Richter** and G.K. Podila. 1995. Genetic transformation of the ectomycorrhizal fungus *Paxillus involutus* by particle bombardment. *Mycological Research* 99:557-561.

Bruhn, J.N., J.N. Pickens, **D.L. Richter** and J.D. Mihail. 1995. Effects of litter bagging and bulking on northern Michigan hardwoods and associated clearcuts. *Paedobiologia* 39:264-276.

Richter, D.L. and J.N. Bruhn. 1993. Mycorrhizal fungus colonization of *Pinus resinosa* Ait. transplanted on northern hardwood clearcuts. *Soil Biol. & Biochem.* 25:355-369.

Laks, P.E., C.G. Park and **D.L. Richter**. 1993. Anti-sapstain efficacy of borates against *Aureobasidium pullulans*. *For. Prod. J.* 43:33-34.