

## Publication list for Audrius Menkis, Dec 2014

1. **Menkis A**, Allmer J, Vasiliauskas R, Lygis V, Stenlid J, Finlay R (2004) Ecology and molecular characterization of dark septate fungi from roots, living stems, coarse and fine woody debris. *Mycological Research* 108: 965-973
2. **Menkis A**, Vasiliauskas R, Taylor AFS, Stenlid J, Finlay R (2005) Fungal communities in mycorrhizal roots of conifer seedlings in forest nurseries under different cultivation systems, assessed by morphotyping, direct sequencing and mycelial isolation. *Mycorrhiza* 16: 33-41
3. **Menkis A**, Vasiliauskas R, Taylor AFS, Stenström E, Stenlid J, Finlay R (2006) Fungi in decayed roots of conifer seedlings from forest nurseries, afforested clearcuts and abandoned farmland. *Plant Pathology* 55: 117-129
4. Broberg A, **Menkis A**, Vasiliauskas R (2006) Kutznerides 1-4, depsipeptides from the actinomycete *Kutzneria* sp. 744 inhabiting mycorrhizal roots of *Picea abies* seedlings. *Journal of Natural Products* 69: 97-102
5. Pohanka A, **Menkis A**, Levenfors J, Broberg A (2006) Low-abundance Kutznerides from *Kutzneria* sp. 744. *Journal of Natural Products* 69: 1776-1781
6. Vasiliauskas R, **Menkis A**, Finlay RD, Stenlid J (2007) Wood-decay fungi in fine living roots of conifer seedlings. *New Phytologist* 174: 441-446. doi: 10.1111/j.1469-8137.2007.02014.x
7. **Menkis A**, Vasiliauskas R, Taylor AFS, Stenlid J and Finlay R (2007) Afforestation of abandoned farmland with conifer seedlings inoculated with three ectomycorrhizal fungi - impact on plant performance and ectomycorrhizal community. *Mycorrhiza* 17: 337-348. doi: 10.1007/s00572-007-0110-0
8. Brenn N, **Menkis A**, Grünig CR, Sieber TN, Holdenrieder O (2008) Community structure of *Phialocephala fortinii* s. lat. in European tree nurseries, and assessment of the potential of the seedlings as dissemination vehicles. *Mycological Research* 112: 650-662. doi:10.1016/j.mycres.2007.12.003
9. **Menkis A**, Jacobson DJ, Gustafsson T, Johannesson J (2008) The mating-type chromosome in the filamentous ascomycete *Neurospora tetrasperma* represents a model for early evolution of sex chromosomes. *Plos Genetics* 4(3): e1000030. doi:10.1371/journal.pgen.1000030
10. Vasaitis R, **Menkis A**, Woon Lim Y, Seok S, Tomsovsky M, Jankovsky L, Lygis V, Slippers B, Stenlid J (2009) Genetic variation and relationships in *Laetiporus sulphureus sensu lato*, as determined by ITS rDNA sequences and *in vitro* growth rate. *Mycological Research* 113: 326-336. doi:10.1016/j.mycres.2008.11.009

11. **Menkis A**, Bastiaans E, Jacobson DJ, Johannesson H (2009) Phylogenetic and biological species diversity within the *Neurospora tetrasperma* complex. *Journal of Evolutionary Biology* 22: 1923-1936. doi:10.1111/j.1420-9101.2009.01801.x
12. Tomsovsky M, **Menkis A**, Vasaitis R (2010) Phylogenetic relationships in European *Ceriporiopsis* species inferred from nuclear and mitochondrial ribosomal DNA sequences. *Fungal Biology* 114: 350-358. doi:10.1016/j.funbio.2010.02.004
13. **Menkis A**, Whittle CA, Johannesson H (2010) Gene genealogies indicates abundant gene conversions and independent evolutionary histories of the mating-type chromosomes in the evolutionary history of *Neurospora tetrasperma*. *BMC Evolutionary Biology* 10:234. doi:10.1186/1471-2148-10-234
14. Strandberg R, Nygren K, **Menkis A**, James TY, Wik L, Stajich JE, Johannesson H (2010) Conflict between reproductive gene trees and species phylogeny among outcrossing members of the filamentous Ascomycete genus *Neurospora*. *Fungal Genetics and Biology* 47: 869-878. doi:10.1016/j.fgb.2010.06.008
15. **Menkis A**, Uotila A, Arhipova N, Vasaitis R. (2010) Effects of stump and slash removal on growth and mycorrhization of *Picea abies* seedlings outplanted on a forest clear-cut. *Mycorrhiza* 20: 505-509 doi:10.1007/s00572-010-0299-1
16. **Menkis A**, Vaisaitis R. (2011) Fungi in roots of nursery grown *Pinus sylvestris*: ectomycorrhizal colonisation, genetic diversity and spatial distribution. *Microbial Ecology* 61: 52-63 doi:10.1007/s00248-010-9676-8
17. Bakys R, Vasiliauskas A, Ihrmark K, Stenlid J, **Menkis A**, Vasaitis R (2011) Root-rot, associated fungi and their impact on health condition of declining *Fraxinus excelsior* in Lithuania. *Scandinavian Journal of Forest Research* 26: 128-135. doi: 10.1080/02827581.2010.536569
18. **Menkis A**, Bakys R, Lygis V, Vasaitis R (2011) Mycorrhization, establishment and growth of outplanted *Picea abies* seedlings produced under different cultivation systems. *Silva Fennica* 45: 283-289
19. Rosling A, Cox F, Cruz-Martinez K, Ihrmark K, Grelet G-A, Lindahl BD, **Menkis A**, James TY (2011) Archaeorhizomycetes: unearthing an ancient class of ubiquitous soil fungi. *Science* 333: 876-879. doi: 10.1126/science.1206958
20. **Menkis A**, Burokienė D (2012) Distribution and genetic diversity of the root-rot pathogen *Neonectria macrodidyma* in a forest nursery. *Forest Pathology* 42: 79-83. doi: 10.1111/j.1439-0329.2011.00712.x
21. **Menkis A**, Burokienė D, Gaitnieks T, Uotila A, Johannesson H, Rosling A, Finlay RD, Stenlid J, Vasaitis R (2012) Occurrence and impact of the root-rot biocontrol agent *Phlebiopsis gigantea* on soil fungal communities in *Picea abies* forests of northern Europe. *FEMS Microbiology Ecology* 81: 438-445. doi: 10.1111/j.1574-6941.2012.01366.x

22. **Menkis A**, Lygis V, Burokienė D, Vasaitis R (2012) Establishment of ectomycorrhiza-inoculated *Pinus sylvestris* seedlings on coastal dunes following a forest fire. *Baltic Forestry* 18: 33-40
23. Sun Y, Corcoran P, **Menkis A**, Whittle CA, Andersson SGE, Johannesson H (2012) Large-scale introgression shapes the evolution of the mating-type chromosomes of the filamentous ascomycete *Neurospora tetrasperma*. *PLoS Genetics* 8(7): e1002820. doi:10.1371/journal.pgen.1002820
24. Hansson D, **Menkis A**, Himmelstrand K, Thelander M, Olson Å, Stenlid J, Karlsson M, Broberg A (2012) Sesquiterpenes from the conifer root rot pathogen *Heterobasidion occidentale*. *Phytochemistry* 82: 158-165. doi: 10.1016/j.phytochem.2012.06.024
25. Hansson D, **Menkis A**, Olson Å, Stenlid J, Broberg A, Karlsson M. (2012) Biosynthesis of fomannoxin in the root rotting pathogen *Heterobasidion occidentale*. *Phytochemistry* 84: 31-39. doi: 10.1016/j.phytochem.2012.08.008
26. Nord C, **Menkis A**, Vasaitis R, Broberg A. (2013) Protoilludan sesquiterpenes from wood-decay fungus *Granulobasidium vellereum* (Ellis & Cragin) Jülich. *Phytochemistry* 90: 128-134. doi: 10.1016/j.phytochem.2013.02.015
27. Klavina D, Gaitnieks T, **Menkis A**. (2013) Survival, growth and ectomycorrhizal community development of container- and bare-root grown *Pinus sylvestris* and *Picea abies* seedlings outplanted on a forest clear-cut. *Baltic Forestry* 19: 39-49. doi: 10.13140/2.1.4462.6889
28. Davydenko K, Vasaitis R, Stenlid J, **Menkis A**. (2013) Fungi in foliage and shoots of *Fraxinus excelsior* in eastern Ukraine: first report on *Hymenoscyphus pseudoalbidus*. *Forest Pathology* 43: 462-467. doi: 10.1111/efp.12055
29. Stenström E, Ndobe NE, Jonsson M, Stenlid J, **Menkis A**. (2014) Root associated fungi of healthy looking conifer seedlings in Swedish forest nurseries. *Scandinavian Journal of Forest Research* 29: 12-21. doi: 10.1080/02827581.2013.844850
30. **Menkis A**, Ihrmark K, Stenlid J, Vasaitis R. (2014) Root associated fungi of *Rosa rugosa* grown on the frontal dunes at the Baltic Sea coast in Lithuania. *Microbial Ecology* 67: 769–774. doi: 10.1007/s00248-013-0351-8
31. Nord C, **Menkis A**, Vasaitis R, Broberg A. (2014) Sesquiterpenes from the saprotrophic fungus *Granulobasidium vellereum* (Ellis & Cragin) Jülich. *Phytochemistry* 102: 197-204. doi: 10.1016/j.phytochem.2014.03.012
32. Davydenko K, Vasaitis R, Meshkova V, **Menkis A**. (2014) Fungi associated with the red-haired bark beetle (*Hylurgus ligniperda*) in the forest-steppe zone in eastern Ukraine. *European Journal of Entomology* 111: 561–565. doi: 10.14411/eje.2014.070

33. **Menkis A**, Urbina H, James TY, Rosling A. (2014) *Archaeorhizomyces borealis* sp. nov. and a sequence-based classification of related soil fungal species. *Fungal Biology* 118: 943-955. doi:10.1016/j.funbio.2014.08.005
34. Nord CL, **Menkis A**, Broberg A. (2014) Cytotoxic Illudalane sesquiterpenes from the wood-decay fungus *Granulobasidium vellereum* (Ellis & Cragin) Jülich. *Molecules* 19: 14195-14203. doi:10.3390/molecules190914195