

List of publications by Rimvydas Vasaitis

(until 2008 published as Vasiliauskas), January 2024

A. International, peer-reviewed (WoS Impact Factor) publications

- A110. **Vasaitis R** (2024) Alien invasive pathogens and pests in the changing environment: Focus on North Europe. *Baltic Forestry* 30:104-115.
- A109. Pavlov IN, **Vasaitis R**, Litovka YA, Timofeev AA, Menkis A (2023) Infestation by *Ips amitinus* (Eichhoff, 1872), its associated fungi, and butt rots in stands of *Pinus sibirica* in South-Western Siberia. *Forests* 14:2383.
- A108. Davydenko K, Skrylnyk Y, Borysenko O, Menkis A, Vysotska N, Meshkova A, Olson Å, Elfstrand M, **Vasaitis R** (2022) Invasion of Emerald Ash Borer (*Agrilus planipennis*) and ash dieback pathogen (*Hymenoscyphus fraxineus*) in Ukraine— a concerted action. *Forests* 13:789.
- A107. Zaluma A, Strike Z, Rieksts-Riekstins R, Gaitnieks T, **Vasaitis R** (2022) Long-term pathological consequences of resin tapping wounds on stems of Scots pine (*Pinus sylvestris* L.). *Trees* 36:1507-1514.
- A106. Musolin DL, Kirichenko NI, Karpun NN, Aksenenko EV, Golub VB, Kerchev AI, Mandelshtam MY, **Vasaitis R**, Volkovitsh MG, Zhuravleva EN, Selikhovkin AV (2022) Invasive insect pests of forests and urban trees in Russia: origin, pathways, damage, and management. *Forests* 13:521.
- A105. Selikhovkin AV, Musolin DL, Popovichev BG, Merkuryev SA, Volkovitsh MG, **Vasaitis R** (2022) Invasive populations of Emerald Ash Borer *Agrilus planipennis* Fairmaire, 1888 (Coleoptera: Buprestidae) in Saint Petersburg, Russia: a “Hitchhiker”? *Insects* 13:191.
- A104. Davydenko K, **Vasaitis R**, Elfstrand M, Baturkin D, Meshkova V, Menkis A (2021) Fungal communities vectored by *Ips sexdentatus* Börner, 1767 (Coleoptera: Curculionidae) in declining *Pinus sylvestris* L. in Ukraine: focus on occurrence and pathogenicity of ophiostomatoid species. *Insects* 12:1119.
- A103. Musolin DL, Selikhovkin AV, Peregudova EY, Popovichev BG, Mandelshtam MY, Baranchikov YN, **Vasaitis R** (2021) North-Westward expansion of the invasive range of Emerald Ash Borer, *Agrilus planipennis* Fairmaire (Coleoptera: Buprestidae) towards the EU: from Moscow to Saint Petersburg. *Forests* 12:502.
- A102. Gaitnieks T, Zaluma A, Kenigšvalde K, Bruna L, Klavina D, Burnevica N, Stenlid J, Jankovsky L, **Vasaitis R** (2020) Natural infection and colonisation of pre-commercially cut stumps of *Picea abies* and *Pinus sylvestris* by *Heterobasidion* rot and its biocontrol fungus *Phlebiopsis gigantea*. *Biological Control* 143:104208.
- A101. Pavlov IN, **Vasaitis R**, Litovka YA, Stenlid J, Jankovsky L, Timofeev AA, Menkis A (2020) Occurrence and pathogenicity of *Corinectria* spp. – emerging canker disease of *Abies sibirica* in Central Siberia. *Scientific Reports (Nature)* 10:5597.
- A100. Menkis A, Bakys R, Stein Åslund M, Davydenko K, Elfstrand M, Stenlid J, **Vasaitis R** (2020) Identifying *Fraxinus excelsior* tolerant to ash dieback: visual field monitoring versus a molecular marker. *Forest Pathology* 50:e12572.

- A99. Redr D, Dahlberg A, Stenlid J, Sunhede S, **Vasaitis R**, Menkis A (2020) The mating type system of the rare polypore *Hapalopilus croceus*. *Fungal Ecology* 45:100941.
- A98. Enderle R, Stenlid J, **Vasaitis R** (2019) An overview of ash (*Fraxinus* spp.) and ash dieback disease in Europe. *CAB Reviews* 14:025.
- A97. Kluting K, Engelbrecht- Clemmensen K, Finlay R, **Vasaitis R**, Jonaitis S, Rosling A (2019) Microhabitat shapes fungal community composition in a sand dune pine forest. *FEMS Microbiology Ecology* 95:fiz149.
- A96. Zaluma A, Muiznieks I, Gaitnieks T, Burnevica N, Jansons A, Jansons J, Stenlid J, **Vasaitis R** (2019) Infection and spread of root rot caused by *Heterobasidion* spp. in *Pinus contorta* plantations: three case studies. *Canadian Journal of Forest Research* 49:969–977.
- A95. Selikhovkin AV, Markovskaja S, **Vasaitis R**, Martynov AN, Musolin DL (2018) Phytopathogenic fungus *Fusarium circinatum* and potential for its transmission in Russia by insects. *Russian Journal of Biological Invasions* 9:245-252.
- A94. Gaitnieks T, Brauners I, Kenigvalde K, Zaluma A, Bruna L, Jansons J, Burnevica N, Lazdins A, **Vasaitis R** (2018) Airborne infection of pre-commercially cut stumps of *Picea abies* and *Pinus sylvestris* by *Heterobasidion* spp.: a comparative study. *Silva Fennica* 52: 9911.
- A93. Smith GR, Finlay R, Stenlid J, **Vasaitis R**, Menkis A (2017) Growing evidence for facultative biotrophy in saprotrophic fungi: data from microcosm tests with 201 species of wood-decay Basidiomycetes. *New Phytologist* 215:747-755.
- A92. Selikhovkin AV, Popovichev BG, Mandelshtam MY, **Vasaitis R**, Musolin DL (2017) The frontline of invasion: the current northern limit of the invasive range of Emerald Ash Borer, *Agrilus planipennis* Fairmaire (Coleoptera: Buprestidae), in European Russia. *Baltic Forestry* 23:309-315.
- A91. Menkis A, **Vasaitis R**, Östbrant I-L, Pliūra A, Stenlid J (2017) Tests with wood-decay fungi to control sprouting from cut stumps infected by Dutch Elm Disease. *Baltic Forestry* 23:270-273.
- A90. Östbrant I-L, **Vasaitis R**, Stenlid J, Pliūra A, Menkis A (2017) Natura 2000 Habitats dominated by ash and elm, invaded by alien invasive fungi on the Gotland island of Sweden: an overview. *Baltic Forestry* 23:264-269.
- A89. Power MWP, Hopkins AJM, Chen J, Bengtsson SBK, **Vasaitis R**, Cleary MR (2017) European *Fraxinus* species introduced into New Zealand retain many of their native endophytic fungi. *Baltic Forestry* 23:74-81.
- A88. Davydenko K, **Vasaitis R**, Menkis A (2017) Fungal communities associated with *Ips acuminatus* in Ukraine with special emphasis on pathogenicity of ophiostomatoid species. *European Journal of Entomology* 114:77-85.
- A87. Menkis A, Östbrant IL, Davydenko K, Bakys R, Balalaikins M, **Vasaitis R** (2016) *Scolytus multistriatus* associated with Dutch elm disease on island of Gotland: phenology and communities of vectored fungi. *Mycological Progress* 15:55.
- A86. **Vasaitis R**, Arhipova N, Uotila A, Dahlberg A, Kasanen R (2016) Cut tree stumps constitute low quality substrate for sustaining biodiversity in communities of wood-inhabiting fungi. *Baltic Forestry* 22:239-245.
- A85. Cleary M, Nguyen D, Marciulyniene D, Berlin A, **Vasaitis R**, Stenlid J (2016) Friend or foe? Biological and ecological traits of the European ash dieback pathogen *Hymenoscyphus fraxineus* in its native environment. *Scientific Reports (Nature)* 6:21895.

- A84. Gaitnieks T, Klavina D, Muiznieks I, Pennanen T, Velmala SM, **Vasaitis R**, Menkis A (2016) Impact of *Heterobasidion* root-rot on fine root morphology and associated fungi in *Picea abies* stands on peat soils. *Mycorrhiza* 26:465-473.
- A83. Kubart A, **Vasaitis R**, Stenlid J, Dahlberg A (2016) Fungal communities in Norway spruce stumps along a latitudinal gradient in Sweden. *Forest Ecology and Management* 371:50-58.
- A82. Klavina D, Menkis A, Gaitnieks T, Pennanen T, Lazdins A, Velmala S, **Vasaitis R** (2016) Impact of stump removal on mycorrhizal colonisation and growth of *Picea abies* outplanted on clear-cuts of three forest types in Latvia. *Baltic Forestry* 22:16-24.
- A81. Menkis A, Östbrant IL, Wågström K, **Vasaitis R** (2016) Dutch elm disease on the island of Gotland: monitoring disease vector and combat measures. *Scandinavian Journal of Forest Research* 31:237-241.
- A80. Arhipova N, Jansons A, Zaluma A, Gaitnieks T, **Vasaitis R** (2015) Bark stripping of *Pinus contorta* caused by moose and deer: wounding patterns, discoloration of wood, and associated fungi. *Canadian Journal of Forest Research* 45:1434-1438.
- A79. Zaluma A, Arhipova N, Gaitnieks T, **Vasaitis R** (2015) Resistance of functional sapwood of *Pinus sylvestris* and *Picea abies* to spread of *Heterobasidion annosum* s.s. and *H. parviporum*. *Forest Pathology* 45:437-439.
- A78. Davydenko K, Menkis A, Meshkova VL, **Vasaitis R** (2014) Fungi associated with the red-haired pine bark beetle (*Hylurgus ligniperda*) in the forest-steppe zone in eastern Ukraine. *European Journal of Entomology* 111:561-565.
- A77. Lygis V, Vasiliauskaite I, Matelis A, Pliura A, **Vasaitis R** (2014) Fungi in living and dead stems, and stumps of *Pinus mugo* on coastal dunes of Baltic Sea. *Plant Protection Science* 50:221-226.
- A76. Nord CL, Menkis A, Lendel C, **Vasaitis R**, Broberg A (2014) Sesquiterpenes from the saprotrophic fungus *Granulobasidium vellereum* (Ellis & Cragin) Jülich. *Phytochemistry* 102:197-204.
- A75. Menkis A, Ihrmark K, Stenlid J, **Vasaitis R** (2014) Root-associated fungi of *Rosa rugosa* grown on the frontal dunes of the Baltic Sea coast in Lithuania. *Microbial Ecology* 67:769-774.
- A74. Davydenko K, **Vasaitis R**, Stenlid J, Menkis A (2013) Fungi in foliage and shoots of *Fraxinus excelsior* in eastern Ukraine: a first report on *Hymenoscyphus pseudoalbidus*. *Forest Pathology* 43:462-467.
- A73. Lygis V, Bakys R, Gustiene A, Burokiene D, Matelis A, **Vasaitis R** (2013) Forest self-regeneration following clear-felling of dieback-affected *Fraxinus excelsior*: focus on ash. *European Journal of Forest Research* 133:501-510.
- A72. Nord CL, Menkis A, **Vasaitis R**, Broberg A (2013) Protoilludan sesquiterpenes from wood-decay fungus *Granulobasidium vellereum* (Ellis & Cragin) Jülich. *Phytochemistry* 90:128-134.
- A71. Bakys R, **Vasaitis R**, Skovsgaard JP (2013) Patterns and severity of crown dieback in young even-aged stands of European ash (*Fraxinus excelsior* L.) in relation to stand density, bud flushing phenotype and season. *Plant Protection Science* 49:120-126.
- A70. Cleary MR, Arhipova N, Gaitnieks T, Stenlid J, **Vasaitis R** (2013) Natural infection of *Fraxinus excelsior* seeds by *Chalara fraxinea*. *Forest Pathology* 43:83-85.

- A69. **Vasaitis R** (2013) Heart-rots, sap-rots and canker-rots. In: *Infectious Forest Diseases* (Eds. P. Gonthier & G. Nicolotti). CAB International, Wallingford, pp. 197-229.
- A68. Nest M van der, Wingfield BD, Wingfield MJ, Stenlid J, **Vasaitis R**, Slippers B (2012) Genetics of *Amylostereum* species associated with Siricidae woodwasps. In: *The Sirex Woodwasp and its Fungal Symbiont: Research and Management of a Worldwide Invasive Pest* (Eds. B. Slippers, P. de Groot & M.J. Wingfield). Springer, Dordrecht, pp 81-94.
- A67. Boissin E, Hurley B, Wingfield M, **Vasaitis R**, Stenlid J, Davis C, de Groot P, Ahumeda R, Carnegie A, Goldarazena A, Klasmer P, Wermelinger B, Slippers B (2012) Retracing the routes of introduction of invasive species: the case of the *Sirex noctilio* woodwasp. *Molecular Ecology* 21:5728-5744.
- A66. Cleary MR, Arhipova N, Morrison DJ, Thomsen IM, Sturrock RN, **Vasaitis R**, Gaitnieks T, Stenlid J (2012) Stump removal to control root disease in Canada and Scandinavia: a synthesis of results from long-term trials. *Forest Ecology and Management* 290:5-14.
- A65. Menkis A, Lygis V, Bakys R, **Vasaitis R** (2012) Establishment of ectomycorrhiza-inoculated *Pinus sylvestris* seedlings on coastal dunes following a forest fire. *Baltic Forestry* 18:33-40.
- A64. Menkis A, Burokiene D, Gaitnieks T, Uotila A, Johannesson H, Rosling A, Finlay R, 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.
- A63. **Vasaitis R**, Bakys R, Vasiliauskas A (2012) Discoloration and associated fungi in stems of silver birch (*Betula pendula* Roth.) following logging damage. *Forest Pathology* 42:387-392.
- A62. Arhipova N, Gaitnieks T, Donis J, Stenlid J, **Vasaitis R** (2012) Heart-rot and associated fungi in *Alnus glutinosa* stands in Latvia. *Scandinavian Journal of Forest Research* 27:327-336.
- A61. **Vasaitis R**, Lygis V, Vasiliauskaite I, Vasiliauskas A (2012) Wound occlusion and decay in *Picea abies* stems. *European Journal of Forest Research* 131:1211-1216.
- A60. Bengtsson SBK, **Vasaitis R**, Kirisits T, Solheim H, Stenlid J (2012) Population structure of *Hymenoscyphus pseudoalbidus* and its genetic relationship to *Hymenoscyphus albidus*. *Fungal Ecology* 5:147-153.
- A59. Arhipova N, Gaitnieks T, Donis J, Stenlid J, **Vasaitis R** (2011) Butt rot incidence, causal fungi and related yield loss in *Picea abies* stands of Latvia. *Canadian Journal of Forest Research* 41:2337-2345.
- A58. Lindner DL, **Vasaitis R**, Kubartova A, Allmer J, Johannesson H, Banik MT, Stenlid J (2011) Initial fungal colonizer affects mass loss and fungal community development in *Picea abies* logs 6 years after inoculation. *Fungal Ecology* 4:449-460.
- A57. Menkis A, Lygis V, Bakys R, **Vasaitis R** (2011) Mycorrhization, establishment and growth of outplanted *Picea abies* seedlings produced under different cultivation systems. *Silva Fennica* 45:283-289.
- A56. Arhipova N, Gaitnieks T, Donis J, Stenlid J, **Vasaitis R** (2011) Decay, yield loss and associated fungi in stands of grey alder (*Alnus incana*) in Latvia. *Forestry (Oxford)* 84:337-348.
- A55. 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* stands in Lithuania. *Scandinavian Journal of Forest Research* 26:128-135.

- A54. Menkis A, **Vasaitis R** (2011) Fungi in roots of nursery grown *Pinus sylvestris*: ectomycorrhizal colonization, genetic diversity and spatial distribution. *Microbial Ecology* 61:52-63.
- A53. 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.
- A52. 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.
- A51. Lygis V, Vasiliauskaite I, Stenlid J, **Vasaitis R** (2010) Impact of forest fire on persistence of *Heterobasidion annosum* s.s. root rot, and on diversity of wood-inhabiting fungi in roots of *Pinus mugo*. *Forestry (Oxford)* 83:83-92.
- A50. Johansson SBK, **Vasaitis R**, Ihrmark K, Barklund P, Stenlid J (2010) Detection of *Chalara fraxinea* from tissue of *Fraxinus excelsior* using species-specific ITS primers. *Forest Pathology* 40:111-115.
- A49. Persson Y, **Vasaitis R**, Langström B, Ohrn P, Ihrmark K, Stenlid J (2009) Fungi vectored by the bark beetle *Ips typographus* following hibernation under the bark of standing trees, and in the forest litter. *Microbial Ecology* 58:651-659.
- A48. Parrent JL, James TY, **Vasaitis R**, Taylor AFS (2009) Evolutionary history of glycoside hydrolase family 32 genes encoding for sucrolytic activity and the implication for fungal symbiosis. *BMC Evolutionary Biology* 9:148.
- A47. **Vasaitis R**, Menkis A, Lim YW, 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.
- A46. Bakys R, **Vasaitis R**, Barklund P, Ihrmark K, Stenlid J (2009) Investigations concerning the role of *Chalara fraxinea* in declining *Fraxinus excelsior*. *Plant Pathology* 58:284-292.
- A45. Bakys R, **Vasaitis R**, Barklund P, Thomsen IM, Stenlid J (2009) Occurrence and pathogenicity of fungi in necrotic and non-symptomatic shoots of declining common ash (*Fraxinus excelsior*) in Sweden. *European Journal of Forest Research* 128:51-60.
- A44. Samils N, **Vasaitis R**, Stenlid J (2009) Impact of the biological control agent *Phlebiopsis gigantea* on its resident genetic structure in the Baltic Sea area. *Biocontrol Science & Technology* 19:263-276.
- A43. **Vasaitis R**, Stenlid J, Thomsen IM, Barklund P, Dahlberg A (2008) Stump removal to control root rot in forest stands. *Silva Fennica* 42:457-483.
- A42. Nest MA van der, Slippers B, Stenlid J, Wilken PM, **Vasaitis R**, Wingfield MJ, Wingfield BD (2008) Characterization of the systems governing sexual and self-recognition in the white rot homobasidiomycete *Amylostereum areolatum*. *Current Genetics* 53:323-336.
- A41. Vartiamaki H, Uotila A, **Vasaitis R**, Hantula J (2008) Genetic diversity in North European populations of *Chondrostereum purpureum*, - a potential herbicide biocontrol agent. *Forest Pathology* 38:381-393.
- A40. Franzen I, **Vasaitis R**, Penttila R, Stenlid J (2007) Population genetics of the wood decay fungus *Phlebia centrifuga* P.Karst. in fragmented and continuous habitats. *Molecular Ecology* 16:3326-3333.

- A39. Menkis A, **Vasiliauskas R**, Taylor AFS, Stenlid J, 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.
- A38. **Vasiliauskas R**, Menkis A, Finlay RD, Stenlid J (2007) Wood-decay fungi in fine living roots of conifer seedlings. *New Phytologist* 174:441-446.
- A37. Franzen I, Slippers B, **Vasiliauskas R**, Stenlid J (2006) Development of microsatellite markers for the wood-decay fungus *Phlebia centrifuga*. *Molecular Ecology Notes* 6:870-872.
- A36. Broberg A, Menkis A, **Vasiliauskas R** (2006) Kutznerides 1 – 4, depsipeptides from the actinomycete *Kutzneria* sp. 744 inhabiting mycorrhizal roots of *Picea abies*. *Journal of Natural Products* 69:97-102.
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- A34. Allmer J, **Vasiliauskas R**, Ihrmark K, Stenlid J, Dahlberg A (2006) Wood-inhabiting fungal communities in woody debris of Norway spruce (*Picea abies*), as reflected by sporocarps, mycelial isolations and T-RFLP identification. *FEMS Microbiology Ecology* 55:57-67.
- A33. Juodvalkis A, Kairiukstis L, **Vasiliauskas R** (2005) Effects of thinning on growth of six tree species in north-temperate forests of Lithuania. *European Journal of Forest Research* 124:187-192.
- A32. Lygis V, **Vasiliauskas R**, Stenlid J (2005) Clonality in postfire root rot ascomycete *Rhizina undulata*. *Mycologia* 97:788-792.
- A31. Lygis V, **Vasiliauskas R**, Larsson KH, Stenlid J (2005) Wood-inhabiting fungi in stems of *Fraxinus excelsior* in declining ash stands of northern Lithuania, with particular reference to *Armillaria cepistipes*. *Scandinavian Journal of Forest Research* 20:337-346.
- A30. 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.
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- A28. **Vasiliauskas R**, Larsson E, Larsson K-H, Stenlid J (2005) Persistence and long-term impact of Rotstop biological control agent on mycodiversity in *Picea abies* stumps. *Biological Control* 32:295-304.
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- A19. **Vasiliauskas R**, (2001) Damage to trees due to forestry operations and its pathological significance in temperate forests. *Forestry (Oxford)* 74:319-336.
- A18. **Vasiliauskas R**, Stenlid J (2001) Homothallism in the postfire ascomycete *Rhizina undulata*. *Mycologia* 93:447-452.
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- A16. **Vasiliauskas R**, Johannesson H, Stenlid J (1999) Molecular relationships within the genus *Amylostereum* as determined by internal transcribed spacer sequences of the ribosomal DNA. *Mycotaxon* 71:155-161.
- A15. **Vasiliauskas R** (1999) Spread of *Amylostereum areolatum* and *A. chailletii* decay in living stems of *Picea abies*. *Forestry (Oxford)* 72:95-102.
- A14. **Vasiliauskas R**, Stenlid J, Thomsen IM (1998) Clonality and genetic variation in *Amylostereum areolatum* and *A. chailletii* from northern Europe. *New Phytologist* 139:751-758.
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