

Publications by Göran Nordlander

Articles in international peer-reviewed journals

E = ecology, behaviour, and pest management of the pine weevil *Hylobius abietis*
C = conservation biology and dispersal of insects living in wood-decaying fungi
S = systematics, phylogeny, biogeography and ecology of Cynipoidea (Hymenoptera)
O = other subject areas

- E Unelius, C. R., Bohman, B. & Nordlander, G. 2018. Comparison of phenylacetates with benzoates and phenylpropanoates as antifeedants for the pine weevil, *Hylobius abietis*. *Agricultural and Food Chemistry* 66: 11797-11805. <https://doi.org/10.1021/acs.jafc.8b03830>
- E Puentes, A., Högberg, K.-A., Björklund, N., & Nordlander, G. 2018. Novel avenues for plant protection: Plant propagation by somatic embryogenesis enhances resistance to insect feeding *Frontiers in Plant Science* 9: 1553 (9 pp. + Appendix). <https://doi.org/10.3389/fpls.2018.01553>
- E Fedderwitz, F., Björklund, N., Ninkovic, V. & Nordlander, G. 2018. Does the pine weevil (*Hylobius abietis*) prefer conifer seedlings over other main food sources? *Silva Fennica* vol. 52(3): article id 9946 (9 pp.). <https://doi.org/10.14214/sf.9946>
- S Forshage, M. & Nordlander, G. 2018. The identity of figitid parasitoids (Hymenoptera: Cynipoidea: Figitidae) of anthomyiid flies in conifer cones. *European Journal of Entomology* 115: 104-111. <https://doi.org/10.14411/eje.2018.008>
- E Nordlander, G., Mason, E. G., Hjelm, K., Nordenhem H. & Hellqvist, C. 2017. Influence of climate and forest management on damage risk by the pine weevil *Hylobius abietis* in northern Sweden. *Silva Fennica* 51(5): article id 7751 (20 pp.). <https://doi.org/10.14214/sf.7751>
- E Zas, R., Björklund, N., Sampedro, L., Hellqvist, C., Karlsson, B., Jansson, S. & Nordlander, G. 2017. Genetic variation in resistance of Norway spruce seedlings to damage by the pine weevil *Hylobius abietis*. *Tree Genetics and Genomes* 13:111 (12 pp.). <https://doi.org/10.1007/s11295-017-1193-1>
- E Axelsson, K., Konstanzer, V., Rajarao, G. K., Terenius, O., Seriot, L., Nordenhem, H., Nordlander, G. & Borg-Karlson, A.-K. 2017. Antifeedants produced by bacteria associated with the gut of the pine weevil *Hylobius abietis*. *Microbial Ecology* 74: 177-184. <http://dx.doi.org/10.1007/s00248-016-0915-5>
- E Maňák, V., Björklund, N., Lenoir, L., & Nordlander, G. 2017. Testing associational resistance against pine weevils mediated by *Lasius* ants attending conifer seedlings. *Journal of Applied Entomology* 141: 411-416. <http://dx.doi.org/10.1111/jen.12345>
- E Nordlander, G., Hellqvist, C. & Hjelm, K. 2017. Replanting conifer seedlings after pine weevil emigration in spring decreases feeding damage and seedling mortality. *Scandinavian Journal of Forest Research* 32: 60-67. <http://dx.doi.org/10.1080/02827581.2016.1186220>

- E Lundborg, L., Nordlander, G., Björklund, N., Nordenhem, H. & Borg-Karlson, A.-K. 2016. Methyl jasmonate induced monoterpenes in Scots pine and Norway spruce tissues affect pine weevil orientation. *Journal of Chemical Ecology* 42: 1237-1246. <http://dx.doi.org/10.1007/s10886-016-0790-z>
- E Lundborg, L., Fedderwitz, F., Björklund, N., Nordlander, G. & Borg-Karlson, A.-K. 2016. Induced defenses change the chemical composition of pine seedlings and influence meal properties of the pine weevil *Hylobius abietis*. *Phytochemistry* 130: 99-105. <http://dx.doi.org/10.1016/j.phytochem.2016.06.002>
- E Berasategui, A., Axelsson, K., Nordlander, G., Schmidt, A., Borg-Karlson, A.-K., Gershenzon, J., Terenius O. & Kaltenpoth, M. 2016. The gut microbiota of the pine weevil is similar across Europe and resembles that of other conifer-feeding beetles. *Molecular Ecology* 25: 4014-4031. <http://dx.doi.org/10.1111/mec.13702>
- E Maňák, V., Björklund, N., Lenoir, L., Knappe, J. & Nordlander, G. 2016. Behavioural responses of pine weevils to non-consumptive interactions with red wood ants. *Journal of Zoology* 299: 10-16. <http://onlinelibrary.wiley.com/doi/10.1111/jzo.12321/abstract>
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- E Azeem, M., Terenius, O., Rajarao, G. K., Nagahama, K., Nordenhem, H., Nordlander, G. & Borg-Karlson, A.-K. 2015. Chemodiversity and biodiversity of fungi associated with the pine weevil *Hylobius abietis*. *Fungal Biology* 119: 738-746. <http://dx.doi.org/10.1016/j.funbio.2015.04.008>
- E Fedderwitz, F., Björklund, N., Ninkovic, V. & Nordlander, G. 2015. The structure of feeding behavior in a phytophagous insect (*Hylobius abietis*). *Entomologia Experimentalis et Applicata* 155: 229-239. <http://onlinelibrary.wiley.com/doi/10.1111/eea.12302/abstract>
- O Rosenberg, O., Nordlander, G. & Weslien, J. 2015. Effects of different insect species on seed quantity and quality in Norway spruce. *Agricultural and Forest Entomology* 17: 158-163. <http://dx.doi.org/10.1111/afe.12091>
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- E Azeem, M., Rajarao, G. K., Terenius, O., Nordlander, G., Nordenhem, H., Nagahama, K., Norin, E., & Borg-Karlson, A. K. 2015. A fungal metabolite masks the host plant odor for the pine weevil (*Hylobius abietis*). *Fungal Ecology* 13: 103-111. <http://dx.doi.org/10.1016/j.funeco.2014.08.009>
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- E Wallertz, K., Nordenhem, H. & Nordlander, G. 2014. Damage by the pine weevil *Hylobius abietis* to seedlings of two native and five introduced tree species in Sweden. *Silva Fennica* 48(4): article id 1188, 14 pp. <http://dx.doi.org/10.14214/sf.1188>.

- E Fedderwitz, F., Björklund, N., Ninkovic, V. & Nordlander, G. 2014. Diel behaviour and time budget of the adult pine weevil, *Hylobius abietis*. *Physiological Entomology* 39: 103-110. <http://dx.doi.org/10.1111/phen.12053>
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- E Maňák, V., Nordenhem, H., Björklund, N., Lenoir, L. & Nordlander, G. 2013. Ants protect conifer seedlings from feeding damage by the pine weevil *Hylobius abietis*. *Agricultural and Forest Entomology* 15: 98-105. [10.1111/j.1461-9563.2012.00597.x](http://dx.doi.org/10.1111/j.1461-9563.2012.00597.x)
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Monographs (also listed above)

- Liu, Z., Ronquist, F. & Nordlander, G. 2007. The cynipoid genus *Paramblynotus*: revision, phylogeny and historical biogeography (Hymenoptera: Liopteridae). *Bulletin of the American Museum of Natural History* 304: 1-151.
- Ronquist, F. & Nordlander, G. 1989. Skeletal morphology of an archaic cynipoid, *Ibalia rufipes* (Hymenoptera: Ibalidae). *Entomologica Scandinavica*, Suppl. 33: 1-60.

Book chapters

- Björkman, C., Bylund, H., Nilsson, U., Nordlander, G. & Schroeder, L. M. 2015. Forest management to mitigate insect damage in a changing climate. Pp. 248-266 *in*: Björkman, C. & Niemelä, P. (eds.) *Climate Change and Insect Pests*. CABI, UK, ix + 266 pp. ISBN-13: 978 1 78064 378 6. <http://www.cabi.org/cabebooks/ebook/20153325832>
- Jonsson, M. & Nordlander, G. 2006. Insect colonisation of fruiting bodies of the wood-decaying fungus *Fomitopsis pinicola* at different distances from an old-growth forest. Pp 281-295 *in*: Hawkworth, D. L. and Bull, A. T. (eds.) *Topics in Biodiversity and Conservation, Vol 1. Arthropod Diversity and Conservation*. Springer. ISBN 978-1-4020-5203-3 (Print), 978-1-4020-5204-0 (Online). (Originally published in *Biodiversity and Conservation* 15: 295-309.)
- Day, K. R., Nordlander, G., Kenis, M. & Halldórsson, G. 2004. General biology and life cycles of bark weevils. Chapter 14, pp.331-349 *in*: Lieutier, F., Day, K. R., Battisti, A. Grégoire, J.-C. & Evans, H. F. (eds.). *Bark and wood boring insects in living trees in Europe, a synthesis*. Kluwer Academic Publishers, Dordrecht.

Doctoral thesis

- Nordlander, G. 1982. Systematics and phylogeny of an interrelated group of genera within the family Eucoilidae (Insecta: Hymenoptera, Cynipoidea). Doctoral dissertation, Univ. of Stockholm, Dept. of Zoology, Stockholm (ISBN 91-7146-221-x).

Conference papers/abstracts

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