Publication list

Peer-reviewed articles

Includes FOR codes, ERA ratings, Impact factors and citations from Scopus

37. Barton, P.S., **Gibb, H.**, Manning, A.D., Lindenmayer, D.B., Cunningham, S.A. (*in press*) Experimental reduction of native vertebrate grazing benefits beetle diversity at multiple scales. ***Journal of Applied Ecology***

36. **Gibb, H.** & Johansson, T. (2011) Field tests of interspecific competition in ant assemblages: Revisiting the dominant red wood ants. ***Journal of Animal Ecology*** *DOI: 10.111/j.1365-2656.2010.01794.x*

35. Narendra, A., **Gibb, H.** & Mustak, A.T.M. (2011) Structuring of ant assemblages in Western Ghats, India: The role of habitat, disturbance and invasive species. ***Insect Conservation and Diversity*** *DOI: 10.1111/j.1752-4598.2010.00113.x*

34. **Gibb, H.** & Cunningham, S.A. (2011) Habitat contrasts reveal a shift in the trophic position of ant assemblages. ***Journal of Animal Ecology*** *DOI: 10.1111/j.1365-2656.2010.01747.x*

33. Barton, P.S., **Gibb, H.**, Manning, A.D., Lindenmayer, D.B., Cunningham, S.A. (2011) Morphological traits and phylogenetic position as predictors of microhabitat use and response to habitat manipulation in a ground-dwelling beetle assemblage. ***Biological Journal of the Linnaean Society*** *DOI: 10.1111/j.1095-8312.2010.01580.x*

32. Weiser, M.D., Sanders, N.J., Agosti, D., Andersen, A.N., Cerdá, X., Ellison, A.M., Fisher, B.L., **Gibb, H.**, Gotelli, N.J., Gove, A.D., Guénard, B., Janda, M., Kaspari, M., Lessard J.-P., Longino, J.T., Majer, J.D., Menke, S.B., McGlynn, T.P., Parr, C.L., Philpott, S.M., Retana, J., Suarez, A., Vasconcelos, H.L., Yanoviak, S.P. and Dunn, R.R. (2010) A global model of canopy ant diversity: Do mechanisms on the ground drive patterns in the trees? ***Biology Letters*** *doi:10.1098/rsbl.2010.0151*

31. Dynesius, M., **Gibb, H.** & Hjältén, J. (2010) Covering of downed logs by soil and ground vegetation - a neglected process in forest biodiversity management. ***PLoS One*** 5 (10), *e13237. doi:10.1371/journal.pone.0013237*

30. **Gibb, H.** & Parr, C.L. (2010). How does habitat complexity affect ant foraging success? A test of functional responses on three continents. ***Oecologia*** 164: 1061-1073. *DOI 10.1007/s00442-010-1703-4*

29. Barton, P.S., Manning, A.D., **Gibb, H.**, Lindenmayer, D.B., Cunningham, S.A. (2010) Fine-scale heterogeneity in beetle assemblages under co-occurring *Eucalyptus* in the same subgenus. ***Journal of Biogeography*** 37: 1927-1937. *doi:10.1111/j.1365-2699.2010.02349.x*

28. Hjältén, J., **Gibb, H.** & Ball, J.P. (2010) How does low intensity burning after clear-felling affect mid-boreal insect assemblages? ***Basic and Applied Ecology*** 11: 363-372. *doi:10.1016/j.baae.2009.12.012*

27. Stenbacka, F., Hjältén, J., Hilszczański, J., Ball, J.P., **Gibb, H**., Johansson, T. & Danell, K. (2010). Saproxylic parasitoid (Hymenoptera, Ichneumonoidea) communities in managed boreal forest landscapes. ***Insect Conservation and Diversity*** 3: 114-123. *doi: 10.1111/j.1752-4598.2010.00082.x*

26. **Gibb, H.** & Cunningham, S.A. (2010) Revegetation of farmland restores function and composition of epigaeic beetle assemblages. ***Biological Conservation*** 143:677-687. *doi:10.1016/j.biocon.2009.12.005*

25. **Gibb, H.** & Johansson, T. (2010) Harvesting of hemipteran honeydew by boreal ants is affected by forest management. ***Annales Zoologici Fennici*** 47: 99-110.

24. **Gibb, H.** & Cunningham, S.A. (2009) Arboreal sugars affect ecological dominance in ant assemblages across a restoration chronosequence. ***Insectes Sociaux*** 56: 405-412. *DOI 10.1007/s00040-009-0038-9*

23. Barton, P., Manning, A.D., **Gibb, H.**, Lindenmayer, D.B. & Cunningham, S.A. (2009). Conserving ground-dwelling beetles in an endangered woodland community: Multi-scale habitat effects on assemblage diversity. ***Biological Conservation*** 142: 1701-1709. *doi:10.1016/j.biocon.2009.03.005*

22. Dunn, R.R., Agosti, D., Andersen, A.N., Arnan, X., Bruhl, C.A., Cerda, X., Ellison, A.M., Fisher, B.L., Fitzpatrick, M.C., **Gibb, H.**, Gotelli, N.J., Gove, A.D, Guenard, B., Janda, M, Kaspari, M.E., Laurent, E.J., Lessard, J-P, Longino, J.T., Majer, J.D., Menke, S.B, McGlynn, T.P., Parr, C.L., Philpott, S.M., Pfeiffer, M., Retana, J., Suarez, A.V., Vasconcelos, H.L., Weiser, M.D., & Sanders, N.J. (2009) Climatic drivers of hemispheric asymmetry in global patterns of ant species richness. ***Ecology Letters*** 12: 324-333. *doi: 10.1111/j.1461-0248.2009.01291.x*

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20. Dunn, R.R., Sanders, N.J., Fitzpatrick, M.C., Laurent, E., Lessard, J-P., Agosti, D., Andersen, A., Bruhl, C., Cerda, X., Ellison, A., Fisher, B., **Gibb, H.**, Gotelli, N., Gove, A., Guenard, B., Janda, M., Kaspari, M., Longino, J.T., Majer, J., McGlynn, T.P., Menke, S., Parr, C., Philpott, S., Pfeiffer, M., Retana, J., Suarez, A., Vasconcelos, H. (2007). Global Ant Biodiversity and Biogeography--A New Database and its Possibilities. ***Myrmecological News*** 10: 77-83.

19. Hjältén, J., Johansson, T., Atlegrim, O., Danell, K., Ball, J.P., Pettersson, R., **Gibb, H.** & Hilszczański J. (2007). The importance of type (logs, snags or the top of trees) and treatment (shading or burning) of dead wood for its attractiveness to saproxylic beetles. ***Basic and Applied Ecology*** 8: 364-376. *doi:10.1016/j.baae.2006.08.003*

18. Hilszczański, J., **Gibb, H.** & Bystrowski, C. (2007). Effect of salvage on insect natural enemies of *Ips typographus* (L.) (Coleoptera, Curculionidae, Scolytinae) during its latency phase in old growth mixed lowland forest. ***Journal of Pest Science*** 80: 99-107. *DOI 10.1007/s10340-006-0160-7*

17. Johansson, T., **Gibb, H.**, Hjältén, J., Pettersson, R.B., Hilszczański, J., Alinvi, O., Ball, J.P., & Danell, K. (2007). The effects of substrate manipulations and forest management on predators of saproxylic beetles. ***Forest Ecology and Management*** 242: 518-527. *doi:10.1016/j.foreco.2007.01.064*

16. Johansson, T., Hjältén, J., **Gibb, H.**, Hilszczański, J., Stenlid, J., Ball, J.P., Pettersson, R.B., Alinvi, O. & Danell, K. (2007). Variable response of different functional groups of saproxylic beetles to substrate manipulation and forest management: Implications for conservation strategies. ***Forest Ecology and Management*** 242: 496-510. *doi:10.1016/j.foreco.2007.01.062*

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14. **Gibb, H**., Hjältén, J, Ball, J.P., Pettersson, R.B., Landin, J., Atlegrim, O. & Danell, K. (2006b). Wing loading and habitat selection in forest beetles: Are red-listed species poorer dispersers or more habitat-specific than common congenerics? ***Biological Conservation*** 132: 250-260. *doi:10.1016/j.biocon.2006.04.017*

13. **Gibb, H**., Hjältén, J., Ball, J.P., Atlegrim, O., Pettersson, R.B., Hilszczański, J., Johansson, T., & Danell, K. (2006c). Effects of landscape composition and substrate availability on saproxylic beetles in boreal forests: a study using experimental logs to monitor assemblages. ***Ecography*** 21: 191-204. *DOI: 10.1111/j.2006.0906-7590.04372.x*

12. **Gibb, H**., Pettersson, R.B., Hjältén, J., Ball, J.P., Atlegrim, O., Hilszczański, J., Johansson, T., & Danell, K. (2006a). Conservation-oriented forestry and early successional saproxylic beetles: an assessment of functional groups on man-made wood substrates. ***Biological Conservation***. 129: 437-450. *doi:10.1016/j.biocon.2005.11.010*

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1. **Gibb, H.** & Hochuli, D.F. (1999). Nesting analysis of arthropod assemblages in habitat fragments in the Sydney region. Pp. 77-81 in ***The Other 99%. The Conservation and Biodiversity of Invertebrates*** Ed. By Winston Ponder and Daniel Lunney, 1999. Transactions of the Royal Zoological Society of New South Wales, Mosman 2088.

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Hjältén, J., Stenbacka, F., Hilszczański, J., Ball, J.P., **Gibb, H**., Johansson, T. & Danell, K. (*in review*). The abundance, species richness and assemblage composition of red-listed saproxylic beetles in managed forest and forest reserves. *Basic and Applied Ecology*

Gibb, H. (*in review*) Experimental evidence for mediation of competition by habitat succession. *Ecology*

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Parr, C.L. & **Gibb, H.** (*in review*) The discovery-dominance trade-off is the exception, rather than the rule. *Journal of Animal Ecology*

Barton, P.S., Cunningham, S.A., Manning, A.D., **Gibb, H**., Lindenmayer, D.B. & Didham, R.K. (*in review*) The spatial scaling of beta diversity. *Trends in Ecology and Evolution*.

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2. Parr, C.L. & **Gibb, H**. (2010). Competition and the role of dominant ants. *In*: Lach, L., Parr, C.L. & Abbott, K.A., editors. *Ant Ecology*. Oxford University Press, Oxford, UK.

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Doherty, M., Kearns, A., Barnett, G., Sarre, A., Hochuli, D., **Gibb, H.** & Dickman, C. (2000). *The Interaction Between Habitat Conditions, Ecosystem Processes and Terrestrial Biodiversity – a Review*. Australia: State of the Environment Technical Paper Series (Biodiversity), Department of the Environment and Heritage, Canberra.

Popular publications

Hjältén, J., Danell, K., Johansson, T., **Gibb, H**., Alinvi, O., Pettersson, R. Ball, J., Hilszczański, J. (2007). Mångfald gynnar mångfald - värdet av sparad död ved och gamla brukade skogar (Diversity favours diversity – the value of conserved dead wood and old managed forests). *Fakta Skog*