



# Wildlife Gardening Forum

## List of scientific papers and published articles on pollination and pollinators

Compiled by Marc Carlton

**This list is not exhaustive, and of course will need constant updating. We hope people will still find it useful, especially with the doi.org links taking you direct to those publications accessible from the web. Please let us know of other publications that you consider should be on this list**

Ahrné, K., Bengtsson, J., Elmqvist, T. (2009). Bumble Bees (*Bombus* spp) along a Gradient of Increasing Urbanization. PLoS ONE. <https://doi.org/10.1371/journal.pone.0005574>

Baldock, K. C. R., et al. (2015). Where is the UK's pollinator biodiversity? The importance of urban areas for flower-visiting insects. Proceedings of the Royal Society B. Vol 282 Issue 1803. <https://doi.org/10.1098/rspb.2014.2849>

Ballantyne, G., Baldock, K. C.R., Willmer, P.G. (2015) Constructing more informative plant–pollinator networks: visitation and pollen deposition networks in a heathland plant community. Proc. R. Soc. B282: 20151130. <https://doi.org/10.1098/rspb.2015.1130>

Bates, A.J., et al. 2011. Changing Bee and Hoverfly Pollinator Assemblages along an Urban-Rural Gradient. PLoS ONE 6(8): e23459. <https://doi.org/10.1371/journal.pone.0023459>

Banaszak-Cibicka, W. & Żmihorski, M. (2012). Wild bees along an urban gradient: winners and losers Journal of Insect Conserv (2012) 16: 331. <https://doi.org/10.1007/s10841-011-9419-2>

Banaszak-Cibicka, W., Ratyńska, H., Dylewski, L. (2016). Features of urban green space favourable for large and diverse bee populations (Hymenoptera: Apoidea: Apiformes). Urban Forestry & Urban Greening, Volume 20. <https://doi.org/10.1016/j.ufug.2016.10.015>

Bergerot, B., Fontaine, B., et al. (2010). Preferences for exotic flowers do not promote urban life in butterflies. Landscape and Urban Planning, vol. 96. <https://doi.org/10.1016/j.landurbplan.2010.02.007>

Birkin, L. and Goulson, D. (2015), Using citizen science to monitor pollination services. Ecological Entomology, 40: 3–11. <https://doi.org/10.1111/een.12227>

Blackmore, L. M., and Goulson, D. (2014). Evaluating the effectiveness of wildflower seed mixes for boosting floral diversity and bumblebee and hoverfly abundance in urban areas. Insect Conservation and Diversity, Vol 7 Issue 5. <https://doi.org/10.1111/icad.12071>

Botías, C., David, A., Hill, E. M. (2017) Quantifying exposure of wild bumblebees to mixtures of agrochemicals in agricultural and urban landscapes. *Environmental Pollution* 222. <https://doi.org/10.1016/j.envpol.2017.01.001>

Buglife (no date). How to Create a Bee Bank. [www.buglife.org.uk/sites/default/files/Bee%20bank%20booklet.pdf](http://www.buglife.org.uk/sites/default/files/Bee%20bank%20booklet.pdf)

Carvell, C., Bourke, A. F. G., Osborne, J. L., Heard, M. S. (2015). Effects of an agri-environment scheme on bumblebee reproduction at local and landscape scales. *Basic and Applied Ecology*. 16. <https://doi.org/10.1016/j.baae.2015.05.006>

Cawoy, V., Jonard, M., Mayer, C., Jacquemart, A-L. (2012). Do abundance and proximity of the alien *Impatiens glandulifera* affect pollination and reproductive success of two sympatric co-flowering native species? *Journal of Pollination Ecology*, Vol 10 (17). <http://www.pollinationecology.org/index.php?journal=jpe&page=article&op=view&path%5B%5D=203&path%5B%5D=63>

Comba, L., Corbet, S. A., Barron, A., Bird, A., Collinge, S., Miyazaki, N., Powell, M. (1999a) Garden flowers: insect visits and the floral reward of horticulturally-modified variants. *Annals of Botany* 83:73–86. <https://doi.org/10.1006/anbo.1998.0798>

Comba, L., Corbet, S.A., Hunt, L., Warren, B., (1999b) Flowers, nectar and insect visits: evaluating British plant species for pollinator-friendly gardens. *Annals of Botany*. 83:369–383. <https://doi.org/10.1006/anbo.1998.0835>

Corbet, S. A., Bee, J., Dasmahapatra, K., Gale, S., Gorringer, E., La Ferla, B., Moorhouse, T., Treveil, A., Van Bergen, Y., Vorontsova, M. (2001) Native or exotic? Double or single? evaluating plants for pollinator-friendly gardens. *Annals of Botany* 87:219–232. <https://doi.org/10.1006/anbo.2000.1322>

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De Vere, N., Jones, L. E., et al. (2017) Using DNA metabarcoding to investigate honey bee foraging reveals limited flower use despite high floral availability *Scientific Reports* 7, Article number: 42838 <https://doi.org/10.1038/srep42838>

Deguines, N., Julliard, R., de Flores, M., Fontaine, C. (2016) Functional homogenization of flower visitor communities with urbanization. *Ecology and Evolution* 6. <https://doi.org/10.1002/ece3.2009>

Dennis, E. B., Morgan B. J. T., Roy, D. B., Brereton, T. M. (2017) Urban indicators for UK butterflies. *Ecological Indicators* 76. <https://doi.org/10.1016/j.ecolind.2017.01.009>

Dicks, L. V., Baude, M., Roberts, S.P.M., Phillips, J., Green, M., Carvell, C. (2015) How much flower-rich habitat is enough for wild pollinators? Answering a key policy question with incomplete knowledge. *Ecological Entomology* 40:22–35. <https://dx.doi.org/10.1111/een.12226>

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Dutka, A., McNuly, A., Williamson, S. M., (2015) A new threat to bees? Entomopathogenic nematodes used in biological pest control cause rapid mortality in *Bombus terrestris*. PeerJ 3:e1413; <https://dx.doi.org/10.7717/peerj.1413>

Eckhardt, M., Haider, M., Dorn, S., and Müller, A. (2014). Pollen mixing in pollen generalist solitary bees: a possible strategy to complement or mitigate unfavourable pollen properties? *Journal of Animal Ecology* 2014, 83. <https://doi.org/10.1111/1365-2656.12168>

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Garbuzov, M., and Ratnieks, F.L.W. (2013). Quantifying variation among garden plants in attractiveness to bees and other flower-visiting insects. *Functional Ecology*, Vol. 28, Issue 2. <https://doi.org/10.1111/1365-2435.12178>

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Garbuzov, M., et al. (2017), Most ornamental plants on sale in garden centres are unattractive to flower-visiting insects. PeerJ 5:e3066; <https://doi.org/10.7717/peerj.306>

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- Hall, D. M., Camilo, G. R., et al. (2017) The city as a refuge for insect pollinators. *Conservation Biology* 31. <https://doi.org/10.1111/cobi.12840>
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