Přílohy

Příloha 1 – Seznam použité literatury pro kvalitativní srovnání u rostlin

Číslo studie	Název studie
1	Aavik, T. and Liira, J. 2010. Quantifying the effect of organic farming, field boundary type and landscape structure on the vegetation of field boundaries. Agriculture, Ecosystems and Environment 135(3), pp. 178–186. doi: 10.1016/j.agee.2009.09.005.
2	Geiger, F. et al. 2010. Persistent negative effects of pesticides on biodiversity and biological control potential on European farmland. Basic and Applied Ecology 11(2), pp. 97–105. doi: 10.1016/j.baae.2009.12.001.
3	Winqvist, C. et al. 2011. Mixed effects of organic farming and landscape complexity on farmland biodiversity and biological control potential across Europe. Journal of Applied Ecology 48(3), pp. 570–579. doi: 10.1111/j.1365-2664.2010.01950.x.
4	Jeanneret, P. et al. 2021. An increase in food production in Europe could dramatically affect farmland biodiversity. Communications Earth & Environment 2(1). doi: 10.1038/s43247-021-00256-x.
5	Roschewitz, I., Gabriel, D., Tscharntke, T. and Thies, C. 2005. The effects of landscape complexity on arable weed species diversity in organic and conventional farming. Journal of Applied Ecology 42(5), pp. 873–882. doi: 10.1111/j.1365-2664.2005.01072.x.
6	Batáry, P. et al. 2017. The former Iron Curtain still drives biodiversity-profit trade-offs in German agriculture. Nature Ecology and Evolution 1(9), pp. 1279–1284. doi: 10.1038/s41559-017-0272-x.
7	Fonderflick, J., Besnard, A., Chardès, M.C., Lanuzel, L., Thill, C. and Pointereau, P. 2020. Impacts of agricultural intensification on arable plants in extensive mixed crop-livestock systems. Agriculture, Ecosystems and Environment 290. doi: 10.1016/j.agee.2019.106778.
8	Gabriel, D. and Tscharntke, T. 2007. Insect pollinated plants benefit from organic farming. Agriculture, Ecosystems and Environment 118(1–4), pp. 43–48. doi: 10.1016/j.agee.2006.04.005.
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10	Knop, E., Kleijn, D., Herzog, F. and Schmid, B. 2006. Effectiveness of the Swiss agri-environment scheme in promoting biodiversity. Journal of Applied Ecology 43(1), pp. 120–127. doi: 10.1111/j.1365-2664.2005.01113.x.

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12	Goded, S., Ekroos, J., Azcárate, J.G., Guitián, J.A. and Smith, H.G. 2019. Effects of organic farming on plant and butterfly functional diversity in mosaic landscapes. Agriculture, Ecosystems and Environment 284. doi: 10.1016/j.agee.2019.106600.
13	Carrié, R., Ekroos, J., & Smith, H. G. (2018). Organic farming supports spatiotemporal stability in species richness of bumblebees and butterflies. Biological Conservation, 227, 48–55. https://doi.org/10.1016/j.biocon.2018.08.022
14	Clough, Y. et al. 2007. Alpha and beta diversity of arthropods and plants in organically and conventionally managed wheat fields. Journal of Applied Ecology 44(4), pp. 804–812. doi: 10.1111/j.1365-2664.2007.01294.x.
15	Gayer, C. et al. 2021. Flowering fields, organic farming and edge habitats promote diversity of plants and arthropods on arable land. Journal of Applied Ecology 58(6), pp. 1155–1166. doi: 10.1111/1365-2664.13851.
16	Holzschuh, A., Steffan-Dewenter, I., Kleijn, D., & Tscharntke, T. (2007). Diversity of flower-visiting bees in cereal fields: Effects of farming system, landscape composition and regional context. Journal of Applied Ecology, 44(1), 41–49. https://doi.org/10.1111/j.1365-2664.2006.01259.x
17	Kleijn, D., Berendse, F., Smit, R., Gilissen, N., Smit, J., Brak, B. and Groeneveld, R. 2004. Ecological Effectiveness of Agri-Environment Schemes in Different Agricultural Landscapes in The Netherlands.
18	Kovács-Hostyánszki, A., Korösi, Á., Orci, K. M., Batáry, P., & Báldi, A. (2011). Set-aside promotes insect and plant diversity in a Central European country. Agriculture, Ecosystems and Environment, 141(3–4), 296–301. https://doi.org/10.1016/j.agee.2011.03.004
19	Lemoine, C., Sérusiaux, E., Mahy, G. and Piqueray, J. 2018. B A S E Agro-environmental scheme for segetal plant conservation in Wallonia (Belgium): an assessment in conventional and organic fields. Available at: http://creativecommons.org/licenses/by/4.0.
20	Nascimbene, J., Marini, L. and Paoletti, M.G. 2012. Organic farming benefits local plant diversity in vineyard farms located in intensive agricultural landscapes. Environmental Management 49(5), pp. 1054–1060. doi: 10.1007/s00267-012-9834-5.
21	Stoeckli, S., Birrer, S., Zellweger-Fischer, J., Balmer, O., Jenny, M., & Pfiffner, L. (2017). Quantifying the extent to which farmers can influence biodiversity on their farms. Agriculture, Ecosystems and Environment, 237, 224–233. https://doi.org/10.1016/j.agee.2016.12.029

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Příloha 2 – Seznam použité literatury pro kvalitativní srovnání u opylovačů

Číslo studie	Název studie
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2	Albrecht, M., Duelli, P., Müller, C., Kleijn, D. and Schmid, B. 2007. The Swiss agri-environment scheme enhances pollinator diversity and plant reproductive success in nearby intensively managed farmland. Journal of Applied Ecology 44(4), pp. 813–822. doi: 10.1111/j.1365-2664.2007.01306.x.
3	Belfrage, K., Björ, J. and Salomonsson, L. [no date]. Article The Effects of Farm Size and Organic Farming on Diversity of Birds, Pollinators, and Plants in a Swedish Landscape. Available at: http://www.ambio.kva.se.
4	Clough, Y. et al. 2007. Alpha and beta diversity of arthropods and plants in organically and conventionally managed wheat fields. Journal of Applied Ecology 44(4), pp. 804–812. doi: 10.1111/j.1365-2664.2007.01294.x.
5	Concepción, E. D., Díaz, M., Kleijn, D., Báldi, A., Batáry, P., Clough, Y., Gabriel, D., Herzog, F., Holzschuh, A., Knop, E., Marshall, E. J. P., Tscharntke, T., & Verhulst, J. (2012). Interactive effects of landscape context constrain the effectiveness of local agri-environmental management. Journal of Applied Ecology, 49(3), 695–705. https://doi.org/10.1111/j.1365-2664.2012.02131.x
6	Evans, A.N., Llanos, J.E.M., Kunin, W.E. and Evison, S.E.F. 2018. Indirect effects of agricultural pesticide use on parasite prevalence in wild pollinators. Agriculture, Ecosystems and Environment 258, pp. 40–48. doi: 10.1016/j.agee.2018.02.002.
7	Field, R. G., Gardiner, T., Mason, C. F., & Hill, J. (2007). Agri-environment schemes and butterflies: The utilisation of two metre arable field margins. Biodiversity and Conservation, 16(2), 465–474. https://doi.org/10.1007/s10531-005-6202-2
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9	Gabriel, D., Sait, S.M., Kunin, W.E. and Benton, T.G. 2013. Food production vs. biodiversity: Comparing organic and conventional agriculture. Journal of Applied Ecology 50(2), pp. 355–364. doi: 10.1111/1365-2664.12035.
10	Gayer, C. et al. 2021. Flowering fields, organic farming and edge habitats promote diversity of plants and arthropods on arable land. Journal of Applied Ecology 58(6), pp. 1155–1166. doi: 10.1111/1365-2664.13851.
11	Goded, S., Ekroos, J., Azcárate, J.G., Guitián, J.A. and Smith, H.G. 2019. Effects of organic farming on plant and butterfly functional diversity in mosaic

	landscapes. Agriculture, Ecosystems and Environment 284. doi: 10.1016/j.agee.2019.106600.
12	Haenke, S., Scheid, B., Schaefer, M., Tscharntke, T., & Thies, C. (2009). Increasing syrphid fly diversity and density in sown flower strips within simple vs. complex landscapes. Journal of Applied Ecology, 46(5), 1106–1114. https://doi.org/10.1111/j.1365-2664.2009.01685.x
13	Happe, A.K., Riesch, F., Rösch, V., Gallé, R., Tscharntke, T. and Batáry, P. 2018. Small-scale agricultural landscapes and organic management support wild bee communities of cereal field boundaries. Agriculture, Ecosystems and Environment 254, pp. 92–98. doi: 10.1016/j.agee.2017.11.019.
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15	Hodgson, J. G., Tallowin, J., Dennis, R. L. H., Thompson, K., Poschlod, P., Dhanoa, M. S., Charles, M., Jones, G., Wilson, P., Band, S. R., Bogaard, A., Palmer, C., Carter, G., & Hynd, A. (2014). Changing leaf nitrogen and canopy height quantify processes leading to plant and butterfly diversity loss in agricultural landscapes. Functional Ecology, 28(5), 1284–1291. https://doi.org/10.1111/1365-2435.12253
16	Holland, J.M., Smith, B.M., Storkey, J., Lutman, P.J.W. and Aebischer, N.J. 2015. Managing habitats on English farmland for insect pollinator conservation. Biological Conservation 182, pp. 215–222. doi: 10.1016/j.biocon.2014.12.009.
17	Holzschuh, A., Steffan-Dewenter, I., & Tscharntke, T. (2008). Agricultural landscapes with organic crops support higher pollinator diversity. Oikos, 117(3), 354–361. https://doi.org/10.1111/j.2007.0030-1299.16303.x
18	Jonason, D., Andersson, G. K. S., Öckinger, E., Smith, H. G., & Bengtsson, J. (2012). Field scale organic farming does not counteract landscape effects on butterfly trait composition. Agriculture, Ecosystems and Environment, 158, 66–71. https://doi.org/10.1016/j.agee.2012.05.026
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20	Kleijn, D., Berendse, F., Smit, R., Gilissen, N., Smit, J., Brak, B. and Groeneveld, R. 2004. Ecological Effectiveness of Agri-Environment Schemes in Different Agricultural Landscapes in The Netherlands.
21	Knop, E., Kleijn, D., Herzog, F. and Schmid, B. 2006. Effectiveness of the Swiss agri-environment scheme in promoting biodiversity. Journal of Applied Ecology 43(1), pp. 120–127. doi: 10.1111/j.1365-2664.2005.01113.x.

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24	Langlois, A., Jacquemart, A.L. and Piqueray, J. 2020. Contribution of extensive farming practices to the supply of floral resources for pollinators. Insects 11(11), pp. 1–19. doi: 10.3390/insects11110818.
25	Larkin, M. and Stanley, D.A. 2021. Impacts of management at a local and landscape scale on pollinators in semi-natural grasslands. Journal of Applied Ecology 58(11), pp. 2505–2514. doi: 10.1111/1365-2664.13990.
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29	Marini, L., Fontana, P., Klimek, S., Battisti, A. and Gaston, K.J. 2009. Impact of farm size and topography on plant and insect diversity of managed grasslands in the Alps. Biological Conservation 142(2), pp. 394–403. doi: 10.1016/j.biocon.2008.10.034.
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31	Power, E. F., & Stout, J. C. (2011). Organic dairy farming: Impacts on insect-flower interaction networks and pollination. Journal of Applied Ecology, 48(3), 561–569. https://doi.org/10.1111/j.1365-2664.2010.01949.x
32	Power, E.F., Jackson, Z. and Stout, J.C. 2016. Organic farming and landscape factors affect abundance and richness of hoverflies (Diptera, Syrphidae) in grasslands. Insect Conservation and Diversity 9(3), pp. 244–253. doi: 10.1111/icad.12163.

33	Puig-Montserrat, X. et al. 2017. Effects of organic and conventional crop management on vineyard biodiversity. Agriculture, Ecosystems and Environment 243, pp. 19–26. doi: 10.1016/j.agee.2017.04.005.
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