

Publications

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- (93) Ferrante M., Schulze M. & **Westphal C.** (2024). Hedgerows can increase predation rates in wheat fields in homogeneous agricultural landscapes. *Journal of Environmental Management*, 349, 119498, <https://doi.org/10.1016/j.jenvman.2023.119498>

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- (92) Marcacci G., **Westphal C.**, Rao V.S., Kumar S S., Tharini K.B., Belavadi V.V., Nölke N., Tscharntke T. & Grass I. (2023). Urbanization alters the spatiotemporal dynamics of plant–pollinator networks in a tropical megacity. *Ecology Letters*, 26, 1951-1962, <https://doi.org/10.1111/ele.14324>
- (91) Marcacci G., Devy S., Wenzel A., Rao V.S., Kumar S S., Nölke N., Belavadi V.V., Tscharntke T., Grass I. & **Westphal C.** (2023). Direct and indirect effects of urbanization, pesticides and wild insect pollinators on mango yield. *Journal of Applied Ecology*, 60, 2132-2143, <https://doi.org/10.1111/1365-2664.14476>
- (90) Bouarakia O., Anders M., Linden V.M.G., Grass I., **Westphal C.**, Taylor P.J. & Foord S.H. (2023). Reduced macadamia nut quality is linked to wetter growing seasons but mitigated at higher elevations. *Journal of Agriculture and Food Research*, 12, 100569, <https://doi.org/10.1016/j.jafr.2023.100569>
- (89) Anders M., Grass I., Linden V.M.G., Taylor P.J. & **Westphal C.** (2023). Smart orchard design improves crop pollination. *Journal of Applied Ecology*, <https://doi.org/10.1111/1365-2664.14363>.
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- (85) Kirsch F., Hass A.L., Link W., **Westphal C.** (2023) Intercrops as foraging habitats for bees: Bees do not prefer sole legume crops over legume-cereal mixtures. *Agriculture, Ecosystems & Environment* 343: 108268, <https://doi.org/10.1016/j.agee.2022.108268>
- (84) Le Provost G., Schenk N.V., Penone C., Thiele J., **Westphal C.**, Allan E., Ayasse M., Blüthgen N., Boeddinghaus R.S., Boesing A.L., Bolliger R., Busch V., Fischer M., Gossner M.M., Hözel N., Jung K., Kandeler E., Klaus V.H., Kleinebecker T., Leimer S., Marhan S., Morris K., Müller S., Neff F., Neyret M., Oelmann Y., Perović D.J., Peter S., Prati D., Rillig M.C., Saiz H., Schäfer D., Scherer-Lorenzen M., Schloter M., Schöning I., Schrumpf M., Steckel J., Steffan-Dewenter I., Tschapka M., Vogt J., Weiner C., Weisser W., Wells K., Werner M., Wilcke W. & Manning P. (2023). The supply of multiple ecosystem services requires biodiversity across spatial scales. *Nature Ecology & Evolution*, 7, 236-249. <https://doi.org/10.1038/s41559-022-01918-5>

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- (82) Olhnuud, A., Liu, Y., Makowski, D., Tscharntke, T., **Westphal, C.**, Wu, P., Wang, M. & van der Werf, W. (2022). Pollination deficits and contributions of pollinators in apple production: A global meta-analysis. *Journal of Applied Ecology*, n/a.

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- (80) Carneiro de Melo Moura, C., Setyaningsih, C.A., Li, K., Merk, M.S., Schulze, S., Raffiudin, R., Grass, I., Behling, H., Tscharntke, T., **Westphal, C.** & Gailing, O. (2022). Biomonitoring via DNA metabarcoding and light microscopy of bee pollen in rainforest transformation landscapes of Sumatra. *BMC Ecology and Evolution*, 22, 51.
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- (77) Beyer, N., Gabriel, D. & **Westphal, C.** (2022). Landscape composition modifies pollinator densities, foraging behavior and yield formation in faba beans. *Basic and Applied Ecology*, 61, 30-40.
- (76) Schweiger S.E., Beyer N., Hass A.L. & Westphal C. (2022). Pollen and landscape diversity as well as wax moth depredation determine reproductive success of bumblebees in agricultural landscapes. *Agriculture, Ecosystems & Environment*, 326, 107788.
- (75) Müller S., Gossner M.M., Penone C., Jung K., Renner S.C., Farina A., Anhäuser L., Ayasse M., Boch S., Haensel F., Heitzmann J., Kleinn C., Magdon P., Perović D.J., Pieretti N., Shaw T., Steckel J., Tschapka M., Vogt J., Westphal C. & Scherer- Lorenzen M. (2022). Land-use intensity and landscape structure drive the acoustic composition of grasslands. *Agriculture, Ecosystems & Environment*, 328, 107845.
- (74) Scherreiks P., Gossner M.M., Ambarlı D., Ayasse M., Blüthgen N., Fischer M., Klaus V.H., Kleinebecker T., Neff F., Prati D., Seibold S., Simons N.K., Weisser W.W., Wells K., **Westphal C.** & Thiele J. (2022). Present and historical landscape structure shapes current species richness in Central European grasslands. *Landscape Ecology*.

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- (73) Tscharntke, T., Grass, I., Wanger, T.C., **Westphal, C.** & Batáry, P. (2021). Beyond organic farming - harnessing biodiversity-friendly landscapes. *Trends in Ecology & Evolution*, 36, 919-930.
- (72) Neyret, M., Fischer, M., Allan, E., Hözel, N., Klaus, V.H., Kleinebecker, T., Krauss, J., Le Provost, G., Peter, S., Schenk, N., Simons, N.K., van der Plas, F., Binkenstein, J., Börschig, C., Jung, K., Prati, D., Schäfer, D., Schäfer, M., Schöning, I., Schrumpf, M., Tschapka, M., **Westphal, C.** & Manning, P. (2021). Assessing the impact of grassland management on landscape multifunctionality. *Ecosystem Services*, 52, 101366.
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- (64) Wu, P., Tscharntke, T., **Westphal, C.**, Wang, M., Olhuud, A., Xu, H., Yu, Z., van der Werf, W. & Liu, Y. (2021). Bee abundance and soil nitrogen availability interactively modulate apple quality and quantity in intensive agricultural landscapes of China. *Agriculture, Ecosystems & Environment*, 305, 107168.
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