

Scientific publications – Corinna Wallinger

Peer-reviewed articles in international journals (indexed by ISI)

1. Frei B, Guenay Y, Bohan D, Traugott M, Wallinger C (2019) Molecular identification of ecosystem service provision of carabid beetles in European cereal fields. *Journal of Pest Science* 92 (3) 935-942.
2. Sint D, Guenay Y, Mayer R, Traugott M, Wallinger C (2018) The effect of plant identity and mixed feeding on the detection of seed DNA in regurgitates of carabid beetles. *Ecology and Evolution* 8 (22) 10834-10846.
3. Wallinger C, Staudacher K, Sint D, Thalinger B, Oehm J, Juen A, Traugott M (2017) Evaluation of an automated protocol for efficient and reliable DNA extraction of dietary samples. *Ecology and Evolution* doi/10.1002/ece3.3197.
4. Ye Z-P, Vollhardt I, Girtler S, Wallinger C, Tomanovic Z, Traugott M (2017) An effective molecular approach for assessing cereal aphid-parasitoid-endosymbiont networks. *Scientific Reports* 7: 3138.
5. Sint D, Sporleder M, Wallinger C, Zegarra O, Oehm J, Dangi N, Giri Y, Kroschel J, Traugott M (2016) A two-dimensional pooling approach towards efficient detection of parasitoid and pathogen DNA at low infestation rates. *Methods in Ecology and Evolution* 7(12): 1548-1557.
6. Wallinger C, Sint D, Baier F, Schmid C, Mayer R, Traugott M (2015) Detection of seed DNA in regurgitates of granivorous carabid beetles. *Bulletin of Entomological Research* 105(106): 728-735.
7. Gutermann W, Schneeweiss GM, Schönswetter P, Staudinger M, Wallinger C (2014) The vascular plants of Kálamos (Ionian Islands, Greece): a catalogue (Materials towards a Flora Ionica). *Phyton* 54(2): 161-196.
8. Wallinger C, Staudacher K, Schallhart N, Mitterutzner E, Steiner EM, Juen A, Traugott M (2014) How generalist herbivores exploit belowground plant diversity in temperate grasslands. *Molecular Ecology* doi/10.1111/mec.12579.
9. Traugott M, Schallhart N, Staudacher K, Wallinger C (2013) Understanding the ecology of wireworms and improving their control: a special issue. *Journal of Pest Science* 86: 1-2. doi.org/10.1007/s10340-013-0482-1.
10. Wallinger C, Staudacher K, Schallhart N, Peter E, Dresch P, Juen A, Traugott M (2013) The effect of plant identity and the level of plant decay on molecular gut content analysis in a herbivorous soil insect. *Molecular Ecology Resources* 13(1): 75-83
11. Staudacher K, Schallhart N, Thalinger B, Wallinger C, Juen A, Traugott M Plant diversity affects behavior of generalist root herbivores, reduces crop damage and enhances crop yield. *Ecology Letters* doi.org/10.1890/13-0018.1
12. Wallinger C, Juen A, Staudacher K, Schallhart N, Mitterutzner E, Steiner E-M, Thalinger B, Traugott M (2012) Rapid plant identification using species- and group specific primers targeting chloroplast DNA. *PLOS ONE* 7, e29473.
13. Schallhart N, Tusch MJ, Wallinger C, Staudacher K, Traugott M (2012) Effects of plant identity and diversity on the dietary choice of a soil-living insect herbivore. *Ecology*, doi: 10.1890/11-477 2067.1.
14. Staudacher K, Schallhart N, Pitterl P, Wallinger C, Brunner N, Landl M, Kromp B, Glauningner J, Traugott M (2011) Occurrence of *Agriotes* wireworms in Austrian agricultural land. *Journal of Pest Science*, doi: 10.1007/s10340-011-03930-y.

15. Staudacher K, Wallinger C, Schallhart N, Traugott M (2011) Detecting ingested plant DNA in soil-living insect larvae. *Soil Biology and Biochemistry*, 43, 346-350.
16. Schallhart N, Tusch MJ, Staudacher K, Wallinger C, Traugott M (2011) Stable isotope analysis reveals whether soil-living elaterid larvae move between agricultural crops. *Soil Biology and Biochemistry*. 43(7): 1612–1614.
17. Schallhart N, Wallinger C, Juen A, Traugott M (2009) Dispersal abilities of adult click beetles in arable land revealed by the analysis of carbon stable isotopes. *Agricultural and Forest Entomology*, 11, 333-339.
18. Raffl C, Holderegger R, Parson W, Erschbamer B (2008) Patterns in genetic diversity of *Trifolium pallescens* populations do not reflect chronosequence on alpine glacier forelands, *Heredity*, **100**, 526 - 532.
19. Raffl C, Marcante S, Erschbamer B (2007) Reproductive strategy of *Saxifraga aizoides*, the importance of selfing in a pioneer species. *Flora*, **202(2)**, 133-147.
20. Raffl C, Mallaun M, Mayer R & Erschbamer B (2006) Vegetation succession pattern and diversity changes in a glacier valley (Central Alps, Austria). *Arctic, Antarctic and Alpine Research*, **38 (3)** 421 -428.
21. Raffl C, Schönswetter P, Erschbamer B (2006) 'Sax-sess'– Genetics of primary succession in *Saxifraga aizoides* L. on two parallel glacier forelands. *Molecular Ecology*, **15 (9)**, 2433-2440.
22. Raffl C, Erschbamer B (2004) Comparative vegetation analyses of two transects crossing a characteristic glacier valley in the Central Alps. *Phytocoenologia*, **34 (2)**, 225-240.

Articles in scientific books

Kaufmann R, Raffl C (2002) Diversity in primary succession: The chronosequence of a glacier foreland. In: Koerner, Ch. & Spehn, E.M. (eds.) *Mountain Biodiversity. A Global Assessment*, Parthenon Publishing, London, New York, Washington D.C., 177-189.

Other articles

Wallinger C, Kirschner D, Traugott M (2019) Effizienter Nachweis von Arten mittels Umwelt-DNA. *Fischer & Teichwirt* **6**, 208-210.

Wallinger C, Thalinger B, Traugott M, Moritz Ch, Schwarzenberger R (2019) Neue Nachweismöglichkeiten von Fischarten in Wildbächen mittels eDNA. *Zeitschrift für Wildbach & Lawinenverbau* 42-50.

Wallinger C (2019) Erfassung von Arten mittels DNA-Spuren ÖKF. *Magazin Fisch & Gewässer*. 16.

Wallinger C, Traugott M (2018) Nützlinge in Agrarlandschaften – das Nahrungsverhalten von Carabiden. *Landwirtschaft ohne Pflug* **8**, 38-41.