

CURRICULUM VITAE

Dr. Catrin Westphal

Personal Details

Agroecology
Department of Crop Sciences
Georg-August-University Göttingen
Grisebachstrasse 6
37077 Göttingen
Germany
++49 (0)551 39 22257
cwestph@gwdg.de

Academic positions

since 2016	Lecturer at the Department of Crop Sciences, Agroecology, Georg-August-University Göttingen, Germany (50 % position)
2009 - 2016	Senior scientist and project leader, Department of Crop Sciences, Agroecology, Georg-August-University Göttingen, Germany (50 % position)
2006 - 2008	Scientific assistant, Department of Animal Ecology I, Population Ecology, University of Bayreuth, Germany (75 % position)
2004 - 2006	Postdoctoral researcher, Department of Crop Sciences, Agroecology, University of Göttingen, Germany (75 % position) in EC FP6 Integrated Project ALARM - Assessing LArge scale environmental Risks with tested Methods (EU FP 6, Integrated Project); http://www.alarmproject.net .
2000 - 2004	PhD student at the Department of Crop Sciences, Agroecology, Georg-August-University Göttingen, Germany, PhD scholarship from the German Federal Environmental Foundation (DBU)
1999 - 2000	Researcher at the Institute for Landscape Planning and Ecology, University of Stuttgart, Germany (50 % position)

Education

2016	Habilitation at the Georg-August-University Göttingen, Faculty of Agricultural Sciences, <i>venia legendi</i> in ecology
2004	PhD in Agricultural Science; Dissertation on bumblebees in agricultural landscapes: resource utilisation, colony growth, and duration of foraging trips, degree: "summa cum laude", Link: http://hdl.handle.net/11858/00-1735-0000-0006-AB4E-0
1999	Diploma in Biology at the Philipps-University Marburg, Germany; Thesis in nature conservation on the importance of floral resources for bumblebee species in agricultural landscapes, degree 1,0 ("sehr gut")
1990	Abitur at the Michelsenschule, Hildesheim, Germany

Research Grants

2011-2016	BMBF Project LEGATO - Land-use intensity and Ecological Engineering – Assessment Tools for risks and Opportunities in irrigated rice based production systems (www.legato-project.net), work package leader, scientific coordination for University of Göttingen sub-projects
2013-2014	DFG Biodiversity Exploratories , Subproject Landscapes “Landscape heterogeneity and functional biodiversity” (www.biodiversity-exploratories.de), project leader
2008-2011	DFG Biodiversity Exploratories , Subproject InsectScale “Effects of landscape context and land-use intensity on biodiversity and multitrophic interactions among plants, pollinators, herbivores, and their natural enemies” (www.biodiversity-exploratories.de), sub-project leader

Reviews

Scientific Journals and Reports (since 2004)

Agriculture, Ecosystems & Environment, Apidologie, Basic and Applied Ecology, Behavioral Ecology and Sociobiology, Biodiversity and Conservation, Biological Conservation, Biological Journal of the Linnean Society, Biotropica, Diversity and Distributions, Ecography, Ecological Applications, IPBES Pollination Assessment Report, Journal of Apicultural Research, Journal of Applied Ecology, Oecologia, PLoS ONE, Proceedings of the Royal Society B-Biological Sciences, Sociobiology

Research proposals and PhD Thesis

German Federal Environmental Foundation (DBU)

PhD Thesis University of Copenhagen

Memberships and Activities

Gesellschaft für Ökologie (GFÖ)

British Ecological Society (BES)

Frauenbeauftragte der Fakultät für Biologie, Chemie und Geowissenschaften, Universität Bayreuth (2007/2008)

Ten most relevant publications

- Allan, E., Bossdorf, O., Dormann, C.F., Prati, D., Gossner, M.M., Tschardtke, T., Bluthgen, N., Bellach, M., Birkhofer, K., Boch, S., Bohm, S., Borschig, C., Chatzinotas, A., Christ, S., Daniel, R., Diekötter, T., Fischer, C., Friedl, T., Glaser, K., Hallmann, C., Hodac, L., Holzel, N., Jung, K., Klein, A.M., Klaus, V.H., Kleinebecker, T., Krauss, J., Lange, M., Morris, E.K., Müller, J., Nacke, H., Pasalic, E., Rillig, M.C., Rothenwöhrer, C., Schally, P., Scherber, C., Schulze, W., Socher, S.A., Steckel, J., Steffan-Dewenter, I., Turke, M., Weiner, C.N., Werner, M., **Westphal, C.**, Wolters, V., Wubet, T., Gockel, S., Gorke, M., Hemp, A., Renner, S.C., Schöning, I., Pfeiffer, S., König-Ries, B., Buscot, F., Linsenmair, K.E., Schulze, E.D., Weisser, W.W. & Fischer, M. (2014). Interannual variation in land-use intensity enhances grassland multidiversity. *Proceedings of the National Academy of Sciences of the United States of America*, 111, 308-313.
- Garibaldi, L.A., Steffan-Dewenter, I., Kremen, C., Morales, J.M., Bommarco, R., Cunningham, S.A., Carvalheiro, L.G., Chacoff, N.P., Dudenhoefter, J.H., Greenleaf, S.S., Holzschuh, A., Isaacs, R., Krewenka, K., Mandelik, Y., Mayfield, M.M., Morandin, L.A., Potts, S.G., Ricketts, T.H., Szentgyörgyi, H., Viana, B.F., **Westphal, C.**, Winfree, R. & Klein, A.M. (2011). Stability of pollination services decreases with isolation from natural areas despite honey bee visits. *Ecology Letters*, 14, 1062-1072.
- Garibaldi, L.A., Steffan-Dewenter, I., Winfree, R., Aizen, M.A., Bommarco, R., Cunningham, S.A., Kremen, C., Carvalheiro, L.G., Harder, L.D., Afik, O., Bartomeus, I., Benjamin, F., Boreux, V., Cariveau, D., Chacoff, N.P., Dudenhoefter, J.H., Freitas, B.M., Ghazoul, J., Greenleaf, S., Hipólito, J., Holzschuh, A., Howlett, B., Isaacs, R., Javorek, S.K., Kennedy, C.M., Krewenka, K.M., Krishnan, S., Mandelik, Y., Mayfield, M.M., Motzke, I., Muryuli, T., Nault, B.A., Otieno, M., Petersen, J., Pisanty, G., Potts, S.G., Rader, R., Ricketts, T.H., Rundlöf, M., Seymour, C.L., Schueepp, C., Szentgyörgyi, H., Taki, H., Tschardtke, T., Vergara, C.H., Viana, B.F., Wanger, T.C., **Westphal, C.**, Williams, N. & Klein, A.M. (2013). Wild pollinators enhance fruit set of crops regardless of honey bee abundance. *Science*, 339, 1608-1611.
- Kleijn, D., Winfree, R., Bartomeus, I., Carvalheiro, L.G., Henry, M., Isaacs, R., Klein, A.-M., Kremen, C., M'Gonigle, L.K., Rader, R., Ricketts, T.H., Williams, N.M., Lee Adamson, N., Ascher, J.S., Baldi, A., Batary, P., Benjamin, F., Biesmeijer, J.C., Blitzler, E.J., Bommarco, R., Brand, M.R., Bretagnolle, V., Button, L., Cariveau, D.P., Chifflet, R., Colville, J.F., Danforth, B.N., Elle, E., Garratt, M.P.D., Herzog, F., Holzschuh, A., Howlett, B.G., Jauker, F., Jha, S., Knop, E., Krewenka, K.M., Le Feon, V., Mandelik, Y., May, E.A., Park, M.G., Pisanty, G., Reemer, M., Riedinger, V., Rollin, O., Rundlöf, M., Sardinias, H.S., Scheper, J., Sciligo, A.R., Smith, H.G., Steffan-Dewenter, I., Thorp, R., Tschardtke, T., Verhulst, J., Viana, B.F., Vaissière, B.E., Veldtman, R., **Westphal, C.** & Potts, S.G. (2015). Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. *Nature Communications*, 6.
- Perović, D., Gámez-Virués, S., Börschig, C., Klein, A.-M., Krauss, J., Steckel, J., Rothenwöhrer, C., Erasmi, S., Tschardtke, T. & **Westphal, C.** (2015). Configurational landscape heterogeneity shapes functional community composition of grassland butterflies. *Journal of Applied Ecology*, 52, 505-513.
- Tschardtke, T., Tylianakis, J.M., Rand, T.A., Didham, R.K., Fahrig, L., Batary, P., Bengtsson, J., Clough, Y., Crist, T.O., Dormann, C.F., Ewers, R.M., Frund, J., Holt, R.D., Holzschuh, A., Klein, A.M., Kleijn, D., Kremen, C., Landis, D.A., Lurance, W., Lindenmayer, D., Scherber, C., Sodhi, N., Steffan-Dewenter, I., Thies, C., van der Putten, W.H. & **Westphal, C.** (2012). Landscape moderation of biodiversity patterns and processes - eight hypotheses. *Biological Reviews*, 87, 661-685.
- Westphal, C.**, Bommarco, R., Carré, G., Lamborn, E., Morison, N., Petanidou, T., Potts, S.G., Roberts, S.P.M., Szentgyörgyi, H., Tscheulin, T., Vaissière, B.E., Woyciechowski, M., Biesmeijer, J.C., Kunin, W.E., Settele, J. & Steffan-Dewenter, I. (2008). Measuring bee biodiversity in different European habitats and biogeographical regions. *Ecological Monographs*, 78, 653-671.
- Westphal, C.**, Steffan-Dewenter, I. & Tschardtke, T. (2009). Mass flowering oilseed rape improves early colony growth but not sexual reproduction of bumblebees. *Journal of Applied Ecology*, 46, 187-193.
- Westphal, C.**, Steffan-Dewenter, I. & Tschardtke, T. (2006). Bumblebees experience landscapes at different spatial scales: possible implications for coexistence. *Oecologia*, 149, 289-300.
- Westphal, C.**, Steffan-Dewenter, I. & Tschardtke, T. (2003). Mass flowering crops enhance pollinator densities at a landscape scale. *Ecology Letters*, 6, 961-965.