

PUBLICATIONS URS KORMANN

Accepted

Kormann, U., Rösch, V., Batary, P., Tschardtke, T., Orci, KM., Samu, F., & Scherber, C.: Local and landscape management affects trait-mediated biodiversity of nine taxa on small grassland fragments. [Diversity and Distributions](#), (2015) 1–14

Sutcliffe, L.M.E., Batáry, P., **Kormann, U.**, and participants of the East-West workshop 2013,: Harnessing the biodiversity value of Central and Eastern European farmland. [Diversity and Distributions](#) (DOI: 10.1111/ddi.12288).

Pfeifer, M., Lefebvre, V., Baeten, L., Banks-Leite, C., Barlow, J., Betts, MG., Brunet, J., Cerezo, A., Cisneros, LM., Collard, S., D’Cruze, N., da Silva Motta, C., Duguay, S., Eggermont, H., Eigenbrod, F., Gardner, TA., Hadley, AS., Hanson, TR., Hawes, JE., Heartsill, T., Klingbeil, BT., Kolb, A., **Kormann, U.**, [...], Ewers, R. (2013) BIOFRAG – [A new database for analysing BIODiversity responses to forest FRAGmentation](#). [Ecology and Evolution](#) 4(9), 1524 – 1537.

Kormann, U., Sturmberger, B. (2013) A Sabine’s Gull *Xema sabini* in Montenegro – first record in the North-Eastern Mediterranean and a short review of the species’ status in the region. *Acrocephalus*, 34 (156/157): 79–82.

Herrmann, J. D., **Kormann, U.**, Schüepp, C., Stocker, Y., Herzog, F., & Entling, M. H. (2012) Effects of habitat isolation and predation pressure on an arboreal food-web. [Community Ecology](#), 13(1), 82-87.

Kormann, U., Gugerli, F., Ray, N., Excoffier, L., & Bollmann, K. (2012) Parsimony-based pedigree analysis and individual-based landscape genetics suggest topography to restrict dispersal and connectivity in the endangered capercaillie. [Biological Conservation](#), 152, 241-252.

Bailey, D., Schmidt–Entling, M. H., Eberhart, P., Herrmann, J. D., Hofer, G., **Kormann, U.**, & Herzog, F. (2010) Effects of habitat amount and isolation on biodiversity in fragmented traditional orchards. [Journal of](#)

Short description

Here we used joint, traits-based analyses to examine the effects of different drivers of habitat modification on a suite of grassland organism groups

This opinion paper highlights challenges in biodiversity conservation in Central vs. Eastern Europe.

This paper describes a global database with biodiversity datasets in fragmented forests worldwide.

A short report on a new bird species for the North-Eastern Mediterranean and a short review of the regional species’ status.

This paper reports predator release through habitat isolation in manipulative landscape experiment

This paper uses genetically parametrized least cost path and pedigree analysis to infer landscape connectivity in an endangered bird species

Here we used a mensurative landscape experiment to evaluate the effects of habitat amount and isolation on biodiversity in a range of taxa

Mühlner, S., **Kormann, U.**, Schmidt-Entling, M., Herzog, F., & Bailey, D. (2010). Structural Versus Functional Habitat Connectivity Measures to Explain Bird Diversity in Fragmented Orchards. *Journal of Landscape Ecology*, 3(1), 52-64.

This methodological paper compares alternative indices of connectivity

Submitted

Beduschi, T., Tschardtke, T., **Kormann, U.**, & Scherber C.: Semi-natural habitats increase spatial similarity of pollinator communities within agricultural mosaic landscapes. *Under revision in Oecologia*

Here we explore spatial turnover of pollinator communities sampled in a grid based design

Kormann, U., Scherber, C., Tschardtke, T., Klein, N., Larbig, M., Hadley, AS. & Betts, MG.: Narrow woody corridors restore hummingbird pollination mutualisms in fragmented tropical landscapes. *Under revision in Ecology Letters*

By combining experiments, field observations and Bayesian Additive Mixed Models, we show that simple wooded corridors boost landscape connectivity for pollinators and animal-pollinated plants, averting deforestation-driven breakdown of pollination services.

Braaker, S., Obrist, M.K., **Kormann, U.**, & Bontadina, F.: Landscape genetic structure of urban hedgehogs. *Under revision in Ecology*

Here we combined nightly movement data with genetic data to identify landscape elements that hinder or foster individual movement and gene flow in urban hedgehogs

Madeira, F.N., Elek, Z., **Kormann, U.**, Pons, X., Rösch, V., Samu, F., Scherber, C., & Tschardtke, T. (2013) Spillover of predatory and non-predatory arthropods between calcareous grassland, wheat fields and meadows. *Invited for resubmission Agriculture, Ecosystems & Environment*

This paper explores spill-over effects from arable land into protected calcareous grasslands.

In Preparation (manuscripts available)

Klaus, F., Klatt, B., Müller, B., Bass, J., & **Kormann, U.**: Hedgerows have a barrier effect and channel pollinator movement in the agricultural landscape. *In preparation (manuscript available)*

Here we show that hedgerows can both channel and block

Eberlein, H., Tschardtke, T. & **Kormann, U.**: Landscape context of rainforest fragments affects communities and trophic interactions of tropical wasps. *In preparation (manuscript available)*

This paper demonstrates complementary effects of habitat configuration and composition on antagonistic species interactions and invertebrate biodiversity in fragmented tropical forest landscapes.

Kormann, U., Tschardtke, T., Betts, MG., Robinson, WD., Hadley, AS., & Scherber, C.: Old growth forest

Here we show that landscape-level percentage of old growth forest is the main

mitigates the erosion of tropical bird communities in human modified landscapes. *In preparation (manuscript available)*

determinant for multiple biodiversity dimensions (alpha, community dispersion and shift) in fragmented tropical forest landscapes

Zahavi, R.Z., Duran, G.M., & **Kormann, U.:** Deforestation history of the Coto Brus Region, Costa Rica: Size is not everything. *In preparation (manuscript available)*

Here we document the evolution of forest fragments in a neotropical human modified landscape.