#### In press

- [34] Escobar-Ramírez S, **Grass I**, Armbrecht I, Tscharntke T (in press) Biological control of the coffee berry borer: main natural enemies, control success, and landscape influence. *Biological Control*
- [33] Darras K, Batáry P, Furnas BJ, Grass I, Mulyani YA, Tscharntke T (in press) Autonomous sound recording outperforms human observation for sampling birds: a systematic map and user guide. *Ecological Applications*
- [32] Weier SM, Linden VMG, Grass I, Tscharntke T, Taylor PJ (in press) The use of bat houses as day roosts in macadamia orchards, South Africa. *PeerJ*

#### 2019

- [31] Linden VMG, Grass I, Joubert E, Tscharntke T, Weier SM, Taylor PJ (2019) Ecosystem services and disservices by birds. bats and monkeys change with macadamia landscape heterogeneity. *Journal of Applied Ecology* doi: 10.1111/1365-2664.13424
- [30] Krishna VV, Darras K, Grass I, Mulyani YA, Prawiradilaga DM, Tscharntke T, Qaim M (2019) Wildlife trade and consumer preferences for species rarity: an examination of caged-bird markets in Sumatra. *Environment and Development Economics* 1-22 doi:10.1017/S1355770X19000081
- [29] Li K, Tscharntke T, Saintes B, Buchori D, Grass I (2019) Critical factors limiting pollination success in oil palm: a systematic review. *Agriculture, Ecosystems & Environment* 280:152–160
- [28] Kühnert K, **Grass I**, Waltert M (2019) Sacred groves hold distinct bird assemblages within an Afrotropical savannah. *Global Ecology and Conservation* 18:e00656
- [27] Grass I, Loos J, Baensch S, Bátary P, Librán-Embid F, Ficiciyan A, Klaus F, Riechers M, Rosa J, Tiede J, Udy K, Westphal C, Wurz A, Tscharntke T (2019) Land-sharing/-sparing connectivity landscapes for ecosystemservices and biodiversity conservation. *People and Nature* https://doi.org/10.1002/pan3.21
- [26] Kehoe L, Reis T, Virah-Sawmy M, Balmford A, Kuemmerle T, and 604 signatories incl. Grass I (2019) Make EU trade with Brazil sustainable. *Science* 364:341
- [25] Weier SM, Moodley Y, Fraser MF, Linden VMG, Grass I, Tscharntke T, Taylor PJ (2019) Insect pest consumption by bats in macadamia orchards established by molecular diet analyses. *Global Ecology and Conservation* 18:e00626
- [24] Maas B, Heath S, Grass I, Cassano C, Classen A, Faria D, Gras P, Williams-Guillén K, Johnson M, Karp DS, Linden V, Martínez-Salinas A, Schmack JM, Kross S (2019) Experimental field exclosure of birds and bats in agricultural systems methodological insights, potential improvements, and cost-benefit trade-offs. Basic and Applied Ecology 35:1–12
- [23] Dugger PJ, Blendinger PG, Böhning-Gaese K, Chama L, Correira M, Dehling DM, Emer C, Farwig N, Fricke EC, Galetti M, García D, Grass I, Heleno R, Jacomassa FAF, Moraes S, Moran C, Muñoz MC, Neuschulz EL, Nowak L, Piratelli A, Piza MA, Quitián M, Rogers HS, Ruggera RA, Saavedra F, Sánchez MS, Sánchez R, Santillán V, Schabo DG, da Silva FR, Timóteo S, Traveset A, Vollstädt MGR, Schleuning M (2019) Seed-dispersal networks are more specialized in the Neotropics than in the Afrotropics. *Global Ecology and Biogeography* 28:248–261
- [22] Castle D, Grass I, WestphalC (2019) Fruit quantity and quality of strawberries benefit from enhanced pollinator abundance at hedgerows in agricultural landscapes. Agriculture, Ecosystems and Environment 275:14–22

# 2018

- [21] Jauker F, Jauker B, **Grass I**, Steffan-Dewenter I, Wolters V (2018) Partitioning wild bee and hoverfly contributions to plant-pollinator network structure in fragmented habitats. *Ecology* 100:e02569
- [20] Paoletti A, Darras K, Jayanto H, Grass I, Kusrini MD, Tscharntke T (2018) Amphibian and reptile communities of upland and riparian sites across Indonesian oil palm, rubber and forest. *Global Ecology and Conservation* 16:e00492
- [19] Grass I, Jauker B, Steffan-Dewenter I, Tscharntke T, Jauker F (2018) Past and potential future effects of habitat fragmentation on structure and stability of plant–pollinator and host–parasitoid networks. *Nature Ecology & Evolution* 2:1408–1417

- [18] Weier SM, Grass I, Linden VMG, Tscharntke T, Taylor PJ (2018) Natural vegetation and bug abundance promote insectivorous bat activity in macadamia orchards, South Africa. *Biological Conservation* 226:16– 23
- [17] Taylor PJ, Grass I, Alberts AJ, Joubert E, Tscharntke T (2018) Economic value of bat predation services a review and new estimates from macadamia orchards. *Ecosystem Services* 30:372–381
- [16] Grass I, Meyer S, Taylor PJ, Foord SH, Hajek P, Tscharntke T (2018) Pollination limitation despite managed honeybees in South African macadamia orchards. Agriculture, Ecosystems and Environment 260:11–18
- [15] **Grass I,** Bohle V, Tscharntke T, WestphalC (2018) How plant reproductive success is determined by the interplay of antagonists and mutualists. *Ecosphere* 9:e02106
- [14] Richter-Beuschel L, Grass I, Bögeholz S (2018) How to measure procedural knowledge for solving biodiversity and climate change challenges. *Education Sciences* 8:190

#### 2017

- [13] Kelly J, Rahman, A, Grass I, Tasirin JS, Waltert M (2017) Avifaunal status updates, range extensions and potential new taxa on the lesser Sangihe and Talaud islands, Indonesia. *Raffles Bulletin of Zoology* 65:482– 496
- [12] Denmead LH, Darras K, Clough Y, Diaz P, Grass I, Hoffmann MP, Nurdiansyah F, Fardiansah R, Tscharntke T (2017) The role of ants, birds and bats for ecosystem functions and yield in oil palm plantations. *Ecology* 98:1945–1956
- [11] Wende B, Gossner MM, Grass I, Arnstadt T, Hofrichter M, Floren A, Linsenmair KE, Weisser WW, Steffan-Dewenter, I (2017) Trophic level, successional age and trait matching determine specialization of deadwood-based interaction networks of saproxylic beetles. *Proceedings of the Royal Society B* 284:20170198
- [10] Grass I, Lehmann K, Thies C, Tscharntke T (2017) Insectivorous birds disrupt biological control of cereal aphids. *Ecology* 98:1583–1590
- [9] Hudson LN, Newbold T, Contu S, [...], Grass I, [...], Purves DW, Scharlemann JPW, Purvis A (2017) The database of the PREDICTS (Projecting Responses of Ecological Diversity in Changing Terrestrial Systems) Project. *Ecology and Evolution* 7:145–188

# 2016

- [8] Schlinkert H, WestphalC, Clough Y, Grass I, Helmerichs J, Tscharntke T (2016) Plant size affects mutualistic and antagonistic interactions and reproductive success across 21 Brassicaceae species. *Ecosphere* 7:e01529
- [7] De Palma A, Abrahamczyk S, Aizen MA, [...], Grass I, [...], WestphalC, Yoon HJ, Purvis A (2016) Predicting bee community responses to land-use changes: effects of geographic and taxonomic biases. *Scientific Reports* 6:31153
- [6] Grass I, Albrecht J, Jauker F, Diekötter T, Warzecha D, Wolters V, Farwig N (2016) Much more than bees wildflower plantings support highly diverse flower-visitor communities from complex to structurally simple agricultural landscapes. Agriculture, Ecosystems and Environment 225:45–53

#### 2015

[5] Grass I, Brandl R, Botzat A, Neuschulz EL, Farwig N (2015) Contrasting taxonomic and phylogenetic diversity responses to forest modifications: comparisons of taxa and successive plant life stages in South African scarp forest. *PLoS ONE* 10:e0118722

### 2014

- [4] **Grass I**, Berens DG, Farwig N (2014) Natural habitat loss and exotic plants reduce the functional diversity of flower visitors in a heterogeneous subtropical landscape. *Functional Ecology* 28:1117–1126
- [3] Grass I, Berens DG, Farwig N (2014) Guild-specific shifts in visitation rates of frugivores with habitat loss and plant invasion. *Oikos* 123:575-582

#### 2013

- [2] **Grass I**, Berens DG, Peter F, Farwig N (2013) Additive effects of exotic plant abundance and land-use intensity on plant–pollinator interactions. *Oecologia* 173:913–923
- [1] Neuschulz EL, **Grass I**, Botzat A, Johnson SD, Farwig N (2013) Persistence of flower visitors and pollination services of a generalist tree in modified forests. *Austral Ecology* 38:374–382

# Book chapters

# 2019

[1] Loos J, Batáry P, Grass I, Westphal C, Baensch S, Bosem Baillod A, Hass A, Rosa J, Tscharntke T (2019) Vulnerability of Ecosystem Services in Farmland Depends on Landscape Management. In: Atlas of Ecosystem Services: Drivers, Risks and Societal Responses (Eds.: Schröter M, Bonn A, Klotz S, Seppelt R, Baessler C). Springer, Cham

# Monographs

[1] **Grass I** (2013) Habitat loss and exotic plant invasions disrupt plant–animal mutualisms in a heterogeneous South African landscape. Dissertation, University of Marburg, Marburg

# Non peer-reviewed journal publications

[1] Jauker F, Jauker B, **Grass I**, Steffan-Dewenter I, Wolters V (2018) Partitioning wild bee and hoverfly contributions to plant-pollinator network structure in fragmented habitats. *The Bulletin of the Ecological Society of America*. https://doi.org/10.1002/bes2.1504