

Bilaga 4 – Vetenskapliga publikationer

Efterfrågad bilaga (se avsnitt 19.6) till Unesco-ansökan: ”Förteckning över de viktigaste litteraturreferenserna - lista de viktigaste publikationerna och artiklarna som publicerats under de senaste 5–10 åren och som är relevanta för det föreslagna biosfärområdet”.

Lunds universitet:

Landskap och hållbarhet

- Abdi, A.M., Carrié, R., Sidemo-Holm, W., Cai, Z., Boke-Olén, N., Smith, H.G., Eklundh, L., Ekroos, J. 2021. Biodiversity decline with increasing crop productivity in agricultural fields revealed by satellite remote sensing. *Ecological Indicators* 130:108098. (Skånskt fokus)
- Carrie, R., Ekroos, J., Smith, H.G. 2022. Turnover and nestedness drive plant diversity benefits of organic farming from local to landscape scales. *Ecological Applications* 32:e2576. (Skånskt fokus)
- Dytckov, Sergei; Long, Fabian; Davidsson, Paul; Holmgren, Johan; Persson, Jan A. Modelling Commuting Activities for the Simulation of Demand Responsive Transport in Rural Areas. *Proceedings Of The 6th International Conference On Vehicle Technology And Intelligent Transport Systems (Vehits)* 89: 97.
- Johansson LE, Brogaard S & Brodin L 2022. Envisioning sustainable carbon sequestration in Swedish farmland. *Environmental Science & Policy* 135: 16-25.
- Kopljär S 2020. Big Science, ethics, and the scalar effects of urban planning. *Urban planning* 5: 4.
- Metson, Genevieve 2022. Not all sites are created equal - Exploring the impact of constraints to suitable biogas plant locations in Sweden. *Journal Of Cleaner Production* 349: 131390
- Müller, L., Li, M., Månefjord, H., Salvador, J., Reistad, N., Hernandez, J., Kirkeby, C., Runemark, A. and Brydegaard, M., 2023. Remote Nanoscopy with Infrared Elastic Hyperspectral Lidar. *Advanced Science*, p.2207110. (Lite udda, men delvis utförd på Stensoffa)
- Sidemo-Holm, W., Smith, H.G., Brady, M. 2018. Improving agricultural pollution abatement through result-based payment schemes. *Land Use Policy* 77:209-219. (Storkrikefokus)

Jordbruksrelaterad forskning med relevans för biosfärområdet

- Jonsson, A.M., Ekroos, J., Dänhardt, J., Andersson, G.K.S., Olsson, O. and Smith, H.G. 2015. Sown Flower Strips in Southern Sweden Increase Abundances of Wild Bees and Hoverflies in the Wider Landscape. *Biological Conservation* 184, 51-58
- Lindström, S.A.M., Herbertsson, L., Rundlöf, M., Smith, H.G. and Bommarco, R. 2015. Large-scale pollination experiment demonstrates the importance of insect pollination in winter oilseed rape. *Oecologia* 180, 1-11
- Rader, R., Birkhofer, K., Schmucki, R., Smith, H.G., Stjernman, M. and Lindborg, R. 2014. Organic Farming and Heterogeneous Landscapes Positively Affect Different Measures of Plant Diversity. *Journal of Applied Ecology* 51, 1544-1553
- Rundlöf, M., Persson, A.S., Smith, H.G. and Bommarco, R. 2014. Late-Season Mass-Flowering Red Clover Increases Bumble Bee Queen and Male Densities. *Biological Conservation* 172, 138- 145.
- Rundlöf, M., Andersson, G.K.S., Bommarco, R., Fries, I., Hederström, V., Herbertsson, L., Jonsson, O., Klatt, B.K., Rahbeck Pedersen, T., Yourstone, J. and Smith, H.G. 2015. Seed Coating with a Neonicotinoid Insecticide Negatively Affects Wild Bees. *Nature* 521, 77-U162.

- Rusch, A., Birkhofer, K., Bommarco, R., Smith, H.G. and Ekbom, B. 2014. Management Intensity at Field and Landscape Levels Affects the Structure of Generalist Predator Communities. *Oecologia* 175, 971-983.
- Rusch, A., Birkhofer, K., Bommarco, R., Smith, H.G. and Ekbom, B. 2015. Predator Body Sizes and Habitat Preferences Predict Predation Rates in an Agroecosystem. *Basic and Applied Ecology* 16, 250-259.
- Rusch, A., Bommarco, R., Jonsson, M., Smith, H.G. and Ekbom, B. 2013. Flow and Stability of Natural Pest Control Services Depend on Complexity and Crop Rotation at the Landscape Scale. *Journal of Applied Ecology* 50, 345-354
- Williams, A. and Hedlund, K. 2014. Indicators and Trade-Offs of Ecosystem Services in Agricultural Soils Along a Landscape Heterogeneity Gradient. *Applied Soil Ecology* 77, 1-8.
- Williams, A. and Hedlund, K. 2013. Indicators of Soil Ecosystem Services in Conventional and Organic Arable Fields Along a Gradient of Landscape Heterogeneity in Southern Sweden. *Applied Soil Ecology* 65, 1-7
- Williams, A., Birkhofer, K. and Hedlund, K. 2014. Above- and Below-Ground Interactions with Agricultural Management: Effects of Soil Microbial Communities on Barley and Aphids. *Pedobiologia* 57, 67-74

Forskning om vattenmiljön

- Elhabashy, Ahmed; Li, Jing; Sokolova, Ekaterina 2023. Water quality modeling of a eutrophic drinking water source: Impact of future climate on Cyanobacterial blooms . *Ecological Modelling* 477: 110275
- Hansson L-A m fl. 2013. A lake as a microcosm: reflections on developments in aquatic ecology. *Aquatic Ecology* 47: 125-135.
- Johansson, Emma; Legrand, Catherine; Bjorneras, Caroline; Godhe, Anna; Mazur-Marzec, Hanna; Sall, Torbjorn; Rengefors, Karin 2019. High Diversity of Microcystin Chemotypes within a Summer Bloom of the Cyanobacterium *Microcystis botrys* . *Toxins* 11: 698
- Ljung, Karl, and Simon Lin. "Organic Carbon Burial in Constructed Ponds in Southern Sweden." *Earth Science, Systems and Society* (2023): 1. (Kävlingeå och Höjeå vattenavrinningsområden)
- Randsalu-Wendrup, L m fl 2014. Combining limnology and palaeolimnology to investigate recent regime shifts in a shallow, eutrophic lake. *J. Paleolimn* 51, 437-448

Populationsekologisk forskning främst kopplad till Revingefältet och Stensoffa forskningsstation

- Andreasson F, Nord A, Nilsson J-Å. 2019 Age-dependent effects of predation risk on night-time hypothermia in two wintering passerine species. *Oecologia* 189: 329-337.
- Andreasson F, Nord A, Nilsson J-Å. 2020 Age differences in night-time metabolic rate and body temperature in a small passerine. *Journal Of Comparative Physiology B-Biochemical Systems And Environmental Physiology* 190: 349-359.
- Andreasson F, Hegemann A, Nord A, Nilsson J-Å. 2020. Experimental facilitation of heat loss affects work rate and innate immune function in a breeding passerine bird. *Journal Of Experimental Biology* 223: jeb219790
- Åkesson, Susanne; Ilieva, Mihaela; Bianco, Giuseppe 2021. Flexibility and Control of Circadian Activity, Migratory Restlessness and Fueling in Two Songbird Migrants. *Frontiers In Ecology And Evolution* 9: 666176.
- Johansson, L. C.; Henningsson, P. 2021. Butterflies fly using efficient propulsive clap mechanism owing to flexible wings. *Journal of the Royal Society Interface* 18: 20200854
- Hedh, Linus; Guglielmo, Christopher G.; Johansson, L. Christoffer; Deakin, Jessica E.; Voigt, Christian C.; Hedenström, Anders 2020. Measuring power input, power output and energy conversion efficiency in un-instrumented flying birds. *JOURNAL OF EXPERIMENTAL Biology* 223: jeb223545

- Zhong, Xiuqin; Lundberg, Max; Raberg, Lars 2020. Comparison of spleen transcriptomes of two wild rodent species reveals differences in the immune response against *Borrelia afzelii*. *Ecology And Evolution* 10: 6421-6434
- Broggi, Juli; Watson, Hannah; Nilsson, Johan; Nilsson, Jan-Ake 2022 Carry-over effects on reproduction in food-supplemented wintering great tits. *Journal of Avian Biology* 8: e02969
- Winder, Lucy A.; White, Stewart A.; Nord, Andreas; Helm, Barbara; McCafferty, Dominic J. 2020. Body surface temperature responses to food restriction in wild and captive great tits. *Journal of Experimental Biology* 223: jeb220046.
- Muheim R, Åkesson S, Bäckman J, Sjöberg S. Magnetic compass orientation research with migratory songbirds at Stensoffa Ecological Field Station in southern Sweden: why is it so difficult to obtain seasonally appropriate orientation? *J Avian Biology* 48: 6-18.

SLU Alnarp:

- Ahrland, Åsa, 1998. Trädgårdsväxter i historiska källor : en metodstudie av källmaterialet kring Övedskloster /Åsa Ahrland.: Movium, Alnarp. 80 s.
- Brahme, Gunnar, 2014. Att använda häst i arbetet med boskap Using a horse while working cattle Självständigt arbete • 10 hp • Grundnivå, G1E, Lantmästare – kandidatprogram, Alnarp 2014
- Busse Nielsen, Anders. 2011. Landscape laboratories 2008-10. Guided and supervised activities & publications. Fakulteten för landskapsplanering, trädgårds- och jordbruksvetenskap Rapport 2011:21. https://pub.epsilon.slu.se/8213/1/nielsen_a_110628.pdf
- Espegren Lindeberg, Johanna, 2019. Att hävda Revingeheds värden : att bevara natur i ett föränderligt sällskap. Grundnivå, G2E. Alnarp: (LTJ, LTV) . Institutionen för landskapsarkitektur, planering och förvaltning.
- Espegren Lindeberg, Johanna, 2021. Revingefältet genom kamerans lins: Att utforska ett landskap med fotografering som metod. Självständigt arbete i Landskapsarkitektur, SLU. https://stud.epsilon.slu.se/16717/1/espegren%20lindeberg_j_210210.pdf
- Grandell, Karl-Johan, 2023. Samplanerad drift över förvaltningsgränser : en fallstudie av Lunds kommuns grönyteskötsel i Södra Sandby och Revinge by. Grundnivå, G2E. Alnarp: SLU, Institutionen för landskapsarkitektur, planering och förvaltning <https://stud.epsilon.slu.se/18652/>
- Herlin, Anders, Lindgren Kristina, Graunke, Katharina; Andersson Lars GB & Lidfors Lena, 2018. Val av liggplats och väderskydd hos dikor vid utedrift vintertid. LTV-fakultetens faktablad Fakta från SLU Partnerskap Alnarp, 2018:9.
- Sarlöv Herlin, I.L. and Fry, G.L.A. 2000. Dispersal of woody plants in forest edges and hedgerows in a Southern Swedish agricultural area: the role of site and landscape structure. *Landscape Ecology* 15 (3): pp. 229-242
- Sarlöv Herlin, I. 1999. Edge Habitats in Agricultural Landscapes. Woody species, landscape ecology and implications for planning. Doctoral thesis. *Agraria* 202, Swedish University of Agricultural Sciences, Alnarp.
- Schneider, C. & Fry, G.L.A. 2001. The influence of landscape grain size on butterfly diversity in grasslands. *Journal of Insect Conservation* 5, 163-171.