Scientific publications in peer-reviewed journals

1. RYDH STENSTRÖM J, GARDESTRÖM J, KREUGER J, **GOEDKOOP W**. Pesticide mixture toxicity and effects on invertebrate and diatom communities in agricultural streams. (Manuscript)
2. MCKIE BG, TAYLOR A, NILSSON T, FRAINER A, **GOEDKOOP W**. Ecological effects of mosquito biocontrol with Bti: Evidence for shifts in resource and trophic structure of soil-based food webs. (Manuscript)
3. BELLE, S, VERNEAUX V, **GOEDKOOP W**. A trait-based paleolimnological approach to chironomid ecology: Reconstructing past emergence patterns from lakes. (Submitted manuscript).
4. RYDH STENSTRÖM J, KREUGER J, **GOEDKOOP W**. Pesticide mixture toxicity to algae in agricultural streams – field observations and laboratory studies. (Submitted to Ecotoxicology and Environmental Safety).
5. LENTO J, CULP JM, LEVENSTEIN B, AROVIITA J, BATURINA MA, BOGAN D, BRITTAIN JE, KRISTA CHIN K, DOCHERTY C, EINARSSON A, FRIBERG N, HEINO J, INGIMARSSON F, JACOBSEN D, LAU DCP, LOSKUTOVA OA, MILNER A, MYKRÄ H, NOVICHKOVA AA, ÓLAFSSON JS, SCHARTAU A-K, SHAFTEL R, **GOEDKOOP W**. Temperature is the main driver of benthic macroinvertebrate biodiversity across Arctic lakes and rivers. (Submitted to Freshwater Biology).
6. **GOEDKOOP W**, CHOUDHURY MI, LAU DCP, GRANDIN U. Inverting nutrient fluxes across the land-water interface – Exploring the potential of zebra mussel *(Dreissena polymorpha)* farming. (Under review).
7. BIGHIU M, **GOEDKOOP W**. Interactions with freshwater biofilms cause rapid removal of common herbicides through degradation – evidence from microcosm studies. Environmental Science: Processes and Impacts (in press).
8. BELLE S, **GOEDKOOP W**. Functional diversity of chironomid assemblages in subarctic lakes across gradients in elevation and catchment characteristics. Limnology.
9. HUSER BJ, FUTTER MN, BOGAN D, BRITTAIN JE, CULP JM, **GOEDKOOP W**, GRIBOVSKAYA I, KARLSSON J, LAU DCP, RÜHLAND KM, SCHARTAU AK, SHAFTEL R, JOHN P. SMOL JP, VREDE T, LENTO J. 2020. Spatial and temporal variation in Arctic freshwater chemistry – Reflecting climate-induced landscape alterations and a changing template for biodiversity. (Accepted for publication in Freshwater Biology).
10. CULP JM, **GOEDKOOP W**, CHRISTENSEN T, CHRISTOFFERSEN KS, FEFILOVA E, LILJANIEMI P, NOVICHKOVA AA, OLAFSSON J, SANDØY S, ZIMMERMAN CE, LENTO J. Establishing biodiversity baselines and trends and evaluating drivers of ecological change in circum-Arctic rivers and lakes. (Accepted for publication in Freshwater Biology).
11. HEINO J, CULP JM, ERKINARO J, **GOEDKOOP W**, LENTO J, RÜHLAND KM, SMOL JP. 2020. Abruptly and irreversibly changing Arctic freshwaters urgently require standardized monitoring. Journal of Applied Ecology 57: 1192–1198. DOI:10.1111/1365-2664.13645
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13. BELLE S, HILTUNEN E, NILSSON J, **GOEDKOOP W**. 2020. Effects of temperature on food isotopic integrity and trophic fractionation in *Chironomus riparius.* Hydrobiologia 847: 1257–1267. DOI:10.1007/s10750-020-04180-7
14. BIGHIU, MA, HÖSS, S, TRAUNSPURGER W, KAHLERT M, **GOEDKOOP W**. 2020. Limited effects of pesticides on stream macroinvertebrates, biofilm nematodes, and algae in intensive agricultural landscapes. Water Research 174: 115640. DOI:10.1016/j.watres.2020.115640
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Books & book chapters

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2. SANDIN L, SCHARTAU A-K, AROVIITA J, CARSE F, COLVILL D, FOZZARD I, **GOEDKOOP W**, GÖTHE E, LITTLE R, MCFARLAND B, MYKRÄ H, POJKANE S. 2014. Water Framework Directive Intercalibration Technical Report: Northern Lake Benthic fauna ecological assessment methods. Publications Offcie of the European Union. Luxemburg. ISBN: 978-92-79-35465-6.
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Book reviews

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Technical publications and reports – last 10 years (45 in total)

1. CAFF. 2020. Arctic Freshwater Biodiversity Monitoring – Workplan 2020–2024. Conservation of Arctic Flora and Fauna International Secretariat: Akureyri, Iceland.
2. LENTO, J, GOEDKOOP W, CULP J, CHRISTOFFERSEN KS, LÁRUSSON KF, FEFILOVA E, GUÐBERGSSON G, LILJANIEMI P, ÓLAFSSON JS, SANDØY S, ZIMMERMAN C, CHRISTENSEN T, CHAMBERS P, HEINO J, HELLSTEN S, KAHLERT M, KECK F, LASKE S, CHUN PONG LAU D, LAVOIE I, LEVENSTEIN B, MARIASH H, RUHLAND K, SAULNIER- TALBOT E, SCHARTAU AK, SVENNING M. 2019. State of the Arctic Freshwater Biodiversity. Conservation of Arctic Flora and Fauna International Secretariat, Akureyri, Iceland. ISBN 978-9935-431-77-6.
3. CAFF. 2019. State of the Arctic Freshwater Biodiversity: Key Findings and Advice for monitoring. Conservation of Arctic Flora and Fauna International Secretariat, Akureyri, Iceland. ISBN 978-9935-431-78-3.
4. INTERACT II-WP7 Raufarhöfn workshop report. 2019. Improving and harmonizing biodiversity monitoring International Network for Terrestrial Research and Monitoring in the Arctic (INTERACT)
5. GOEDKOOP, W. & M. KAHLERT. 2018. Investigations of pesticide effects on benthic assemblages in agricultural streams. SLU:s Competence Centre for Chemical Pesticides, Report 2018:2. (In Swedish).
6. CAFF 2017. Work Package 7: Improving and harmonizing biodiversity monitoring workshop report. Conservation of Arctic Flora and Fauna International Secretariat, Akureyri, Iceland.
7. GOEDKOOP, W. & M. KAHLERT. 2015. Biological effects of pesticides in streams – Experience of 6 years of studies of benthic macroinvertebrates and diatoms in agricultural streams. Report 2015:2 of the Competence Centre for Chemical Pesticides at the Swedish University of Agricultural Sciences. Uppsala. ISBN 978-91-576-9354-9. (In Swedish).
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12. MCKIE B, GOEDKOOP W. 2011. Development of alternative approaches for monitoring the effects of the mosquito control agent Bti on ecosystems of the Dalälven catchment. Report to Swedish EPA.
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