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## Publikationer

1. Impacts of a century of land-use change on the eutrophication of large, shallow, prairie Lake Manitoba in relation to adjacent Lake Winnipeg (Manitoba, Canada)  
Gushulak, C. A. C., Mezzini, S., Moir, K. E., Simpson, G. L., Bunting, L., Wissel, B., Engstrom, D. R., Laird, K. R., St. Amand, A., Cumming, B. F. & Leavitt, P. R., jan. 2024, I: *Freshwater Biology*. 69, 1, s. 47-63 17 s.
2. **A westernized diet changed the colonic bacterial composition and metabolite concentration in a dextran sulfate sodium pig model for ulcerative colitis**  
M. Panah, F., Nielsen, K. D., Simpson, G., Schönherz, A. A., Schramm, A., Lauridsen, C., Nielsen, T. S., Højberg, O., Fredborg, M., Purup, S. & Canibe, N., apr. 2023, I: *Frontiers in Microbiology*. 14, 17 s., 1018242.
3. **Differential Controls of Greenhouse Gas (CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O) Concentrations in Natural and Constructed Agricultural Waterbodies on the Northern Great Plains**  
Jensen, S. A., Webb, J. R., Simpson, G. L., Baulch, H. M., Leavitt, P. R. & Finlay, K., apr. 2023, I: *Journal of Geophysical Research: Biogeosciences*. 128, 4, e2022JG007261.
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5. Seasonal variability of CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O content and fluxes in small agricultural reservoirs of the northern Great Plains  
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6. Abrupt changes in the physical and biological structure of endorheic upland lakes due to 8-m lake-level variation during the 20<sup>th</sup> century  
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7. **An at-home laboratory in plant biology designed to engage students in the process of science**  
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8. Effects of nitrogen removal from wastewater on phytoplankton in eutrophic prairie streams  
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9. Unexpected shift from phytoplankton to periphyton in eutrophic streams due to wastewater influx  
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10. Novel responses of diatoms in neotropical mountain lakes to indigenous and post-European occupation  
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13. Questions concerning the appropriateness of the methods and the degree to which they can be relied upon to support the authors conclusions  
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14. Comparison of isotopic mass balance and instrumental techniques as estimates of basin hydrology in seven connected lakes over 12 years  
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17. **Regulation of carbon dioxide and methane in small agricultural reservoirs: Optimizing potential for greenhouse gas uptake**  
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19. Taxon-specific variation in  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  of subfossil invertebrate remains: Insights into historical trophodynamics in lake food-webs  
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24. **Seasonality of pCO<sub>2</sub> in a hard-water lake of the northern Great Plains: The legacy effects of climate and limnological conditions over 36 years**  
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25. **Hierarchical generalized additive models in ecology: An introduction with mgcv**  
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26. **Activation of the Large-Conductance, Voltage, and Ca<sup>2+</sup>-Activated K<sup>+</sup> (BK) Channel in Acute Spinal Cord Injury in the Wistar Rat Is Neuroprotective**  
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31. **Variance and Rate-of-Change as Early Warning Signals for a Critical Transition in an Aquatic Ecosystem State: A Test Case From Tasmania, Australia**  
Beck, K. K., Fletcher, M. S., Gadd, P. S., Heijnis, H., Saunders, K. M., Simpson, G. L. & Zawadzki, A., feb. 2018, I: *Journal of Geophysical Research: Biogeosciences*. 123, 2, s. 495-508 14 s.
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