

References:

- Beal, M. R. W., Özdoğan, M., & Block, P. J. (2024). A Machine Learning and Remote Sensing-Based Model for Algae Pigment and Dissolved Oxygen Retrieval on a Small Inland Lake. *Water Resources Research*, 60(3), e2023WR035744.
<https://doi.org/10.1029/2023WR035744>
- Binding, C. E., Pizzolato, L., & Zeng, C. (2021). EOLakeWatch; delivering a comprehensive suite of remote sensing algal bloom indices for enhanced monitoring of Canadian eutrophic lakes. *Ecological Indicators*, 121, 106999.
<https://doi.org/10.1016/j.ecolind.2020.106999>
- Buley, R. P., Gladfelter, M. F., Fernandez-Figueroa, E. G., & Wilson, A. E. (2022). Can correlational analyses help determine the drivers of microcystin occurrence in freshwater ecosystems? A meta-analysis of microcystin and associated water quality parameters. *Environmental Monitoring and Assessment*, 194(7), 493. <https://doi.org/10.1007/s10661-022-10114-8>
- Caballero, I., Fernández, R., Escalante, O. M., Mamán, L., & Navarro, G. (2020). New capabilities of Sentinel-2A/B satellites combined with in situ data for monitoring small harmful algal blooms in complex coastal waters. *Scientific Reports*, 10(1), 8743.
<https://doi.org/10.1038/s41598-020-65600-1>
- Donlon, C., Berruti, B., Buongiorno, A., Ferreira, M.-H., Féménias, P., Frerick, J., Goryl, P., Klein, U., Laur, H., Mavrocordatos, C., Nieke, J., Rebhan, H., Seitz, B., Stroede, J., & Sciarra, R. (2012). The Global Monitoring for Environment and Security (GMES) Sentinel-3 mission. *Remote Sensing of Environment*, 120, 37–57.
<https://doi.org/10.1016/j.rse.2011.07.024>

- GLARS. (2024). *GLARS – Great Lakes Alliance for Remote Sensing*. <https://glars.org/>
- Gu, S., Jiang, M., & Zhang, B. (2022). Microcystin-LR in Primary Liver Cancers: An Overview. *Toxins*, 14(10), Article 10. <https://doi.org/10.3390/toxins14100715>
- Hill, P. R., Kumar, A., Temimi, M., & Bull, D. R. (2020). HABNet: Machine Learning, Remote Sensing-Based Detection of Harmful Algal Blooms. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 13, 3229–3239. <https://doi.org/10.1109/JSTARS.2020.3001445>
- IDNR. (2022). *Beach Monitoring | AQUIA*. https://programs.iowadnr.gov/aquia/Programs/Beaches?_gl=1*340g79*_gcl_au*MTQ3MzUwODY1My4xNjkzNDEwOTQz
- Kislik, C., Dronova, I., Grantham, T. E., & Kelly, M. (2022). Mapping algal bloom dynamics in small reservoirs using Sentinel-2 imagery in Google Earth Engine. *Ecological Indicators*, 140, 109041. <https://doi.org/10.1016/j.ecolind.2022.109041>
- Marion, J. W., Lee, J., Wilkins, J. R. I., Lemeshow, S., Lee, C., Waletzko, E. J., & Buckley, T. J. (2012). In Vivo Phycocyanin Fluorometry as a Potential Rapid Screening Tool for Predicting Elevated Microcystin Concentrations at Eutrophic Lakes. *Environmental Science & Technology*, 46(8), 4523–4531. <https://doi.org/10.1021/es203962u>
- NCCOS. (2023). *Harmful Algal Bloom Monitoring System*. NCCOS Coastal Science Website. <https://coastalscience.noaa.gov/science-areas/habs/hab-monitoring-system/>
- Ogashawara, I. (2020). Determination of Phycocyanin from Space—A Bibliometric Analysis. *Remote Sensing*, 12(3), Article 3. <https://doi.org/10.3390/rs12030567>
- Papenfus, M., Schaeffer, B., Pollard, A. I., & Loftin, K. (2020). Exploring the potential value of satellite remote sensing to monitor chlorophyll-a for US lakes and reservoirs.

Environmental Monitoring and Assessment, 192(12), 808.

<https://doi.org/10.1007/s10661-020-08631-5>

Peikes, K. (2021, May 5). *Report Says Iowa Should Do More Monitoring For Algae Toxins*.

Iowa Public Radio. <https://www.iowapublicradio.org/ipr-news/2021-05-05/report-says-iowa-should-do-more-monitoring-for-algae-toxins>

Schechinger, A. (2021, May 5). *More monitoring needed to keep people safe from algae toxins*

in Iowa, Minnesota and Wisconsin | Environmental Working Group. Environmental Working Group. <https://www.ewg.org/research/more-monitoring-needed-keep-people-safe-algae-toxins-iowa-minnesota-and-wisconsin>

US EPA, O. (2013, December 4). *Indicators: Algal Toxins (microcystin)* [Overviews and Factsheets]. <https://www.epa.gov/national-aquatic-resource-surveys/indicators-algal-toxins-microcystin>

Zhang, D., Lavender, S., Muller, J.-P., Walton, D., Karlson, B., & Kronsell, J. (2017).

Determination of phytoplankton abundances (Chlorophyll-*a*) in the optically complex inland water—The Baltic Sea. *Science of The Total Environment*, 601–602, 1060–1074. <https://doi.org/10.1016/j.scitotenv.2017.05.245>