

Publication list for Bengt Karlson

1. Peer review publications in scientific journals

Articles (peer review) 1989-2024

- Latz, M.A.C., Andersson, A., Brugel, S., Hedblom, M., Jurdzinski, K.T., **Karlson**, B., Lindh, M., Lycken, J., Torstensson, A., Andersson, A.F., 2024. A comprehensive dataset on spatiotemporal variation of microbial plankton communities in the Baltic Sea. *Scientific Data* 11(1), 18.
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- España Amórtegui, J.C., Pekar, H., Retrato, M.D.C., Persson, M., **Karlson**, B., Bergquist, J., Zuberovic-Muratovic, A., 2023. LC-MS/MS Analysis of Cyanotoxins in Bivalve Mollusks; Method Development, Validation and First Evidence of Occurrence of Nodularin in Mussels (*Mytilus edulis*) and Oysters (*Magallana gigas*) from the West Coast of Sweden. *Toxins* 15(5), 329.
- Jerney, J., Hällfors, H., Jakobsen, H., Jurgensone, I., **Karlson**, B., Kremp, A., Lehtinen, S., Majaneva, M., Meissner, K., Norros, V., Sildever, S., Suikkanen, S., Teeveer, K., 2023. Guidelines - DNA metabarcoding for monitoring the diversity and distribution of phytoplankton in marine and brackish waters. Nordic Council of Ministers, Copenhagen.
- Karlson**, B., 2023. Early detection and early warning of harmful cyanobacteria blooms, In: FAO, IOC, IAEA (Eds.), Joint FAO-IOC-IAEA technical guidance for the implementation of early warning systems for harmful algal blooms., Fisheries and Aquaculture Technical Paper. FAO, Rome, pp. 186-200.
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- Álvarez, E.A., Klemm, K., Hoppenrath, M., Cembella, A., John, U., **Karlson**, B., 2022. Temporal and spatial distribution of epibenthic dinoflagellates in the Kattegat-Skagerrak, NE Atlantic—Focus on *Prorocentrum lima* and *Coolia monotis*. *Harmful Algae* 118, 102318.
- Berdalet, E., Pavaux, A.-S., Abós-Herrándiz, R., Travers, M., Appéré, G., Vila, M., Thomas, J., de Haro, L., Estrada, M., Medina-Pérez, N.I., Viure, L., **Karlson**, B., Lemée, R., 2022. Environmental, human health and socioeconomic impacts of *Ostreopsis* spp. Blooms in the NW Mediterranean. *Harmful Algae* 119, 102320.
- Karlson**, B., Arneborg, L., Johansson, J., Linders, J., Liu, Y., Olofsson, M., 2022. A suggested climate service for cyanobacteria blooms in the Baltic Sea – Comparing three monitoring methods. *Harmful Algae* 118, 13.
- Karlson**, B., Berdalet, E., Kudela, R.M., 2022. The GlobalHAB mini-symposium on automated plankton observations. *Harmful Algae News* 71, 1-4.
- Klemm, K., Cembella, A., Clarke, D., Cusack, C., Arneborg, L., **Karlson**, B., Liu, Y., Naustvoll, L., Siano, R., Gran-Stadniczeňko, S., John, U., 2022. Apparent biogeographical trends in *Alexandrium* blooms for northern Europe: identifying links to climate change and effective adaptive actions. *Harmful Algae* 119, 19.
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- Andersson, A., **Karlson, B.**, Andersson, A.F., Brugel, S., Meike, L., Lycken, J., Hedblom, M., Torstensson, A., Lindh, M., 2021. DNA extraction protocol for DNA-metabarcoding of marine phytoplankton using Zymobiomics DNA minprep kit (Zymo Research; D4300). *protocols.io*. [dx.doi.org/10.17504/protocols.io.bucjnsun](https://doi.org/10.17504/protocols.io.bucjnsun)
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- Olofsson, M., Klawonn, I., **Karlson, B.**, 2021. Nitrogen fixation estimates for the Baltic Sea indicate high rates for the previously overlooked Bothnian Sea. *AMBIO* 50(1), 203-214.
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- Wells, M.L., **Karlson, B.**, Wulff, A., Kudela, R., Trick, C., Asnaghi, V., Berdalet, E., Cochlan, W., Davidson, K., De Rijcke, M., Dutkiewicz, S., Hallegraeff, G., Flynn, K.J., Legrand, C., Paerl, H., Silke, J., Suikkanen, S., Thompson, P., Trainer, V.L., 2020. Future HAB science: Directions and challenges in a changing climate. *Harmful Algae* 91.
- Olofsson, M., Hagan, J.G., **Karlson, B.**, Gamfeldt, L., 2020. Large seasonal and spatial variation in nano- and microphytoplankton diversity along a Baltic Sea—North Sea salinity gradient. *Scientific Reports* 10(1), 17666.
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- Harvey, E.T., Walve, J., Andersson, A., **Karlson, B.**, Kratzer, S., 2019. The Effect of Optical Properties on Secchi Depth and Implications for Eutrophication Management. *Frontiers in Marine Science* 5.
- Harvey, E.T., Walve, J., Andersson, A., **Karlson, B.**, Kratzer, S., 2019. The effect of optical properties on Secchi depth and implications for eutrophication management. *Frontiers in Marine Science* 5(496), 1-19.
- Wells, M.L., **Karlson, B.**, 2018. Harmful Algal Blooms in a Changing Ocean, In: Glibert, P.M., Berdalet, E., Burford, M.A., Pitcher, G.C., Zhou, M. (Eds.), *Global Ecology and Oceanography of Harmful Algal Blooms*. Springer International Publishing, New York, pp. 77-90.
- Petersen, W., Colijn, F., Gorringer, P., Kaitala, S., **Karlson, B.**, King, A., Lips, U., Ntoumas, M., Seppala, J., Sorensen, K., 2018. FerryBoxes within Europe: State-of-the-art and Integration in the European Ocean Observation System (EOOS), In: Buch, E., Fernández, V., Eparkhina, D., Gorringer, P., Nolan, G. (Eds.), *Eight EuroGOOS International Conference*. 3-5 October 2017. EuroGOOS, Brussels, Bergen, Norway, pp. 63-70.
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2. Peer review publications, books, book chapters and conference proceedings

- Wells, M.L., **Karlson, B.** 2018. Harmful Algal Blooms in a Changing Ocean, In Glibert, P.M., Berdalet, E., Burford, M.A., Pitcher, G.C., Zhou, M. (Eds.), *Global Ecology and Oceanography of Harmful Algal Blooms, Ecological Studies*, vol. 232, Springer International Publishing, New York, pp 77-90, ISBN:978-3-319-70068-7.
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- Petersen, W, Colijn F, Gorringe P, Kaitala S, **Karlson B**, King A, Lips U, Ntoumas M, Seppala J, Sorensen K 2018. FerryBoxes within Europe: State-of-the-art and Integration in the European Ocean Observation System (EOOS). In: Buch E, Fernández V, Eparkhina D, Gorringe P, Nolan G (eds). Proc Eight EuroGOOS International Conference 3-5 October 2017, Bergen, Norway. EuroGOOS, Brussels, ISBN 978-2-9601883-3-2, pp. 63-70. <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>
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- Anderson, D. M. and **Karlson, B.** 2017. Preservatives and methods for algal cell enumeration In: Anderson D. M., S. F. E. Boerlage, M. B. Dixon (Eds), *Harmful Algal Blooms (HABs) and Desalination: A Guide to Impacts, Monitoring and Management, IOC Manuals and Guides No.78*, Paris, Intergovernmental Oceanographic Commission of UNESCO, 2017. P. 509-517. <http://unesdoc.unesco.org/images/0025/002595/259512E.pdf>
- Karlson, B.**, Andreasson, A., Johansen, M., Mohlin, M., Skjevik, A.-T.; Strömberg, P. 2015. Plankton toolbox – open source software making it easier to work with plankton data, 16th International Conference on Harmful Algae, Wellington, New Zealand, 2014; MacKenzie, A.L., Ed. Cawthron Institute, Nelson, New Zealand and the International Society for the Study of Harmful Algae (ISSHA): Wellington, New Zealand, pp 194-197. <http://isshabizdev.wpengine.com/wp-content/uploads/2018/05/ICHA-16-Proceedings-Final->

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- Hansson, M., Håkansson, B., **Karlson, B.** 2006. Satellite monitoring of cyanobacterial blooms in the Baltic Sea - The Baltic Algal Watch System, in: European operational oceanography: present and future, Proceedings of the fourth international conference on EuroGOOS,, Eds. Dahlin, H., Flemming, N.C, Marchand, P. and Pettersson, S.E., European Commission, Brussels, p. 134-141.

3. Selected international non-peer review publications

- Havsmiljöinstitutet, Göteborg, Sverige, pp. 46-48. Walve, J, Högländer, H., Andersson, A,
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- Karlson, B.** 2015. How ocean acidification affects the Arctic, Air & Environment 2015, Swedish Environmental Protection Agency, Stockholm, ISBN 978-91-620-1299-1, pp. 49-51.
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8. Software and web sites

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