**Data reference list:**

Liu, S.; Yao, P.; Yu, Z.; Li, D.; Deng, C.; Zhen, Y. 2014. **HPLC pigment profiles of 31 harmful algal bloom species isolated from the coastal sea areas of China**. Journal of Ocean University of China 13, 6, 941-950. DOI: [10.1007/s11802-014-2448-1](http://doi.org/10.1007/s11802-014-2448-1)

Schlüter, L.; Møhlenberg, F.; Havskum, H.; Larsen, S. 2000. **The use of phytoplankton pigments for identifying and quantifying phytoplankton groups in coastal areas:testing the influence of light and nutrients on pigment/chlorophyll *a* ratios**. Marine Ecology Progress Series 192, 49-63. DOI: [10.3354/meps192049](http://doi.org/10.3354/meps192049)

Schlüter, L.; Garde, K.; Kaas, H. 2004. **Detection of the toxic cyanobacteria Nodularia spumigena by means of a 4-keto-myxoxanthophyll-like pigment in the Baltic Sea**. Marine Ecology Progress Series 275, 69-78. DOI: [10.3354/meps275069](http://doi.org/10.3354/meps275069)

Schlüter, L.; Lauridsen, T. L.; Krogh, G.; Jorgensen, T. 2006. **Identification and quantification of phytoplankton groups in lakes using new pigment ratios – a comparison between pigment analysis by HPLC and microscopy**. Freshwater Biology 51, 8, 1474-1485. DOI: [10.1111/j.1365-2427.2006.01582.x](http://doi.org/10.1111/j.1365-2427.2006.01582.x)

Zapata, M.; Jeffrey, S. W.; Wright, S. W.; Rodríguez, F.; Garrido, J. L.; Clementson, L. 2004. **Photosynthetic pigments in 37 species (65 strains) of Haptophyta: implications for oceanography and chemotaxonomy**. Marine Ecology Progress Series 270, 83-102. DOI: [10.3354/meps270083](http://www.int-res.com/abstracts/meps/v270/p83-102/)

Zapata, M.; Fraga, S.; Rodríguez, F.; Garrido, J.L. 2012. **Pigment-based chloroplast types in dinoflagellates**. Marine Ecology Progress Series 465, 3, 33-52. DOI: [10.3354/meps09879](http://doi.org/10.3354/meps09879)