

### List of Publications

1. [Tina Sanders, Andreas Schöl, Kirstin Dähnke \(2017\): Hot Spots of Nitrification in the Elbe Estuary and Their Impact on Nitrate Regeneration. \*Estuaries and Coasts\* 1-11, doi: 10.1007/s12237-017-0264-8](#)
2. Mamadou L. Mbaye, M. L., Gaye, A. T., Spitzky, A., Dähnke, K., Afouda, A., Gaye, B. (2016): Seasonal and spatial variation in suspended matter, organic carbon, nitrogen, and nutrient concentrations of the Senegal River in West Africa. *Limnologia* 57: 1–13
3. [Dähnke, K., Thamdrup, B. \(2016\): Isotope fractionation and isotope decoupling during anammox and denitrification in marine sediments. \*Limnology and Oceanography\* 61: 610-624, doi: 10.1002/lno.10237](#)
4. Beyn, F., Matthias, V., Auling, A., Dähnke, K. (2015): Do N-isotopes in atmospheric nitrate deposition reflect air pollution levels?, *Atmospheric Environment* 107: 281 - 288
5. Möbius, J., Dähnke, K. (2015): Nitrate drawdown and its unexpected isotope effect in the Danube estuarine transition zone. *Limnology and Oceanography*, 60: 1008 - 1019
6. Beyn, F., Matthias, V., Dähnke, K. (2014): Changes in atmospheric nitrate deposition in Germany – an isotopic perspective. *Environmental Pollution* 194: 1–10
7. Gaye, B., Nagel, B., Dähnke, K., Rixen, T., Lahajnar, N., Emeis, K.-C. (2013): Amino acid composition and  $\delta^{15}\text{N}$  of suspended matter in the Arabian Sea: implications for organic matter sources and degradation, *Biogeosciences* 10: 7689–7702
8. [Gaye, B., Nagel, B., Dähnke, K., Rixen, T., Emeis, K.-C. \(2013\): Evidence of coupled denitrification and nitrification in the ODZ of the Arabian Sea from paired stable isotopes of nitrate and nitrite, \*Global Biogeochemical Cycles\* 27: 1-13, doi:10.1002/2011GB004115](#)
9. Deek, A., Dähnke K., van Beusekom, J., Meyer, S., Voss, M., Emeis, K.-C. (2013):  $\text{N}_2$  Fluxes in sediments of the Elbe estuary and adjacent coastal zones. *Marine Ecology Progress Series* 493: 9–21
10. Dähnke, K., Thamdrup, B. (2013): Nitrogen isotope dynamics and fractionation during sedimentary denitrification in Boknis Eck, Baltic Sea, *Biogeosciences* 10: 3079-3088
11. Dähnke, K., Moneta, A., Veuger, B., Soetaert, K., Middelburg, J.J. (2012): Balance of assimilative and dissimilative nitrogen processes in a diatom-rich tidal flat sediment. *Biogeosciences* 9: 4059-4070
12. [Schlarbaum, T., Dähnke K., Emeis, K. \(2011\) Dissolved and particulate reactive nitrogen in the Elbe River/NW Europe: a 2-yr N-isotope study, \*Biogeosciences\* 8: 3519-3530, doi: 10.5194/bg-8-3519-2011](#)
13. Dähnke, K., Emeis, K., Johannsen, A., Nagel, B. (2010) Stable isotopes and turnover of nitrate in the German Bight, *Marine Ecology Progress Series* 408: 7–18
14. [Emeis, K.-C., Mara, P., Schlarbaum, T., Möbius, J., Dähnke, K., Struck, U., Mihalopoulos, N., Krom, M. \(2010\) External N inputs and internal N cycling traced by isotope ratios of nitrate, dissolved reduced nitrogen, and particulate nitrogen in the eastern Mediterranean Sea, \*JGR-Biogeosciences\*, 115: G04041 doi:10.1029/2009JG001214](#)
15. Serna, A., Pätsch, J., Dähnke, K., Wiesner, M.G., Hass, H.C., Zeiler, M., Hebbeln, D., Emeis, K.-C. (2010) History of anthropogenic nitrogen input to the German Bight/SE North Sea as reflected by nitrogen isotopes in surface sediments, sediment cores and hindcast models, *Continental Shelf Research* 30(15): 1626-1638

16. Schlarbaum, T., Dähnke, K., Emeis, K. (2010) Turnover of combined dissolved organic nitrogen and ammonium in the Elbe estuary/NW Europe: Results of nitrogen isotope investigations. *Marine Chemistry* 119: 91-107.
17. Pätsch, J., Serna, A., Dähnke, K., Schlarbaum, T., Emeis, K.-C. (2010) Nitrogen cycling in the German Bight (SE North Sea) - clues from modelling stable nitrogen isotopes. *Continental Shelf Research* 30(2): 203-213.
18. [Mara P, Mihalopoulos N, Gogou A, Dähnke K, Schlarbaum T, Emeis KC, Krom M \(2009\): Isotopic composition of nitrate in wet and dry atmospheric deposition on Crete in the eastern Mediterranean Sea. \*Global Biogeochemical Cycles\* 23, GB 4002 doi:10.1029/2008GB003395](#)
19. Dähnke, K., Bahlmann, E. and K. Emeis (2008) Nitrogen cycling in the Elbe estuary - Assessment by stable nitrate isotopes. *Limnology and Oceanography* 53: 1504-1511.
20. Dähnke, K., A. Serna, T. Blanz, and K.-C. Emeis (2008) Sub-recent nitrogen-isotope trends in sediments from Skagerrak (North Sea) and Kattegat: Changes in N-budgets and N-sources? *Marine Geology* 253: 92-98.
21. [Johannsen, A., Dähnke, K., Emeis, K. \(2008\) Isotopic composition of nitrate in five German rivers discharging into the North Sea. \*Organic Geochemistry\*, doi: 10.1016/j.orggeochem.2008.03.004.](#)