

Professor Michael David Krom M.D.Krom@Leeds.ac.uk

Research skills and interests: My research interests are at the interface between Environmental Geochemistry and Biology. Most of my research has been on nutrient cycling (P, N and Fe) in aquatic and sedimentary systems. This has included recent and continuing work on P and N cycling in the Eastern Mediterranean and in the Juilong river-estuary continuum as well as in a variety of other freshwater, estuarine and marine systems. In my career I have worked extensively in biogeochemical processes in marine and freshwater sediments. I have recently worked on the importance of atmospheric processes in altering the bioavailability of Fe and P in Saharan dust where I have worked also with climate modellers. I have worked for many years on developing sustainable mariculture systems initially at the NMC, IOLR, Eilat and later at University of Leeds and now University of Haifa. I was one of the two oceanography experts on the World Bank feasibility study for the Red Sea Dead Sea canal. For more details on my entire research portfolio please see my website at <http://www.see.leeds.ac.uk/research/essi/people/krom/> .

Hearing disability:

Since 2000 I have been registered disabled with a hearing problem which has limited my administrative work both nationally and internationally.

Current position

Professor (Emeritus) School of Earth and Environment, Leeds University, Leeds UK

Professor (Emeritus) Charney School of Marine Sciences, University of Haifa, Haifa, Israel

Education

M.A. (Honours) in Natural Sciences (1971), Major in Geology and Chemistry; Grade Upper Second from Queens' College, Cambridge University, U.K.

Ph.D. in Low Temperature Geochemistry (1976) from the Grant Institute of Geology, University of Edinburgh, Scotland.

Postdoctoral Fellowship (1977-1982) in Sedimentary Geochemistry at Yale University, New Haven, Connecticut, U.S.A.

Relevant research experience

2000 to present

Professor of Environmental and Marine Geochemistry in School of Earth Sciences, University of Leeds, Leeds, UK. Since 2015 Emeritus status

2013 to present

Professor of Marine Biogeochemistry in the Charney School of Marine Sciences, Haifa University, initially in Marine Geosciences, since 2016 in Marine Biology, now Emeritus. I am scientist in residence at the Sdot Yam Marine Biological Station.

2017 to 2020:

Visiting Professor to College of Environment and Ecology, Xiamen University, China.

2015 to 2018

Adjunct Professor in Department of Earth and Environmental Sciences, University of Waterloo, Waterloo, Canada.

2009

Visiting Full Professor at School of Earth and Atmospheric Sciences, Georgia Institute of Technology, Atlanta, Georgia

1996 to 2000

Reader in Environmental and Marine Geochemistry in School of Earth Sciences, University of Leeds, Leeds, UK.

1991 to 1996

Lecturer in Department of Earth Sciences, University of Leeds, Leeds, UK

1990 to 1991:

Visiting Associate Professor (on sabbatical leave from IOLR, Haifa) at the Graduate School of Oceanography, University of Rhode Island.

1986 to 1990:

Head of Department of Chemical Oceanography and Marine Pollution. I.O.L.R., National Institute of Oceanography, Haifa, Israel.

1982 to 1986:

Senior Research Scientist, Head of the Department of Water quality in fishponds and Head of the Chemistry department, National Centre for Mariculture, I.O.L.R., Eilat, Israel.

1977 to 1982

Postdoctoral Fellowship (1977-1982) in Sedimentary Geochemistry at Yale University, New Haven, Connecticut, U.S.A. with Professor R.A. Berner and Professor K.K. Turekian

1976 to 1977:

Higher Scientific Officer with Mr. A.Wilson, Water Res. Centre, Medmenham, UK

Michael D.Krom

My present H factor of 56 in Publons and Web of science and 70 in Google scholar.

List of Publications

A. Articles in reviewed journals:

1. Krom, M.D. and Sholkovitz, E.R. (1977) Nature and reactions of dissolved organic matter in the interstitial waters of marine sediments. Geochim. Cosmochim. Acta 41: 1565-1573.
2. Krom, M.D. and Sholkovitz, E.R. (1978) On the association of iron and manganese with organic matter in anoxic marine pore waters. Geochim. Cosmochim. Acta 42: 607-611.
3. Berner, R.A., Sjöberg, E.L., Velbel, M.A. and Krom, M.D. (1980) Dissolution of pyroxenes and amphiboles during weathering. Science 207: 1205-1206.
4. Krom, M.D. (1980) The spectrophotometric determination of ammonia: a study of the Berthelot reaction using salicylate and dichloroisocyanurate. Analyst 105: 305-316.
5. Krom, M.D. and Berner, R.A. (1980). Adsorption of phosphate in anoxic marine sediments. Limnol. Oceanogr. 25(4): 797-806.
6. Krom, M.D. and Berner, R.A. (1980) The diffusion coefficients of sulphate, ammonium and phosphate in anoxic marine sediments. Limnol. Oceanogr. 25(2): 327-337.
7. Krom M.D. and Berner R.A., (1981). The diagenesis of phosphorus in a nearshore marine sediment. Geochim. Cosmochim. Acta 45: 207-216.
8. Tenore, K.R., Boyer, L.F., Cal, R.M., Corral, J., Garcia- Fernandez, C., Gonzalez, N., Gonzalez-Gurriaran, E., Hanson, R.B., Iglesias, J., Krom, M., Lopez-Jamar, E., McClain, J., Pamatmat, M.M., Perez, A., Rhoads, D.C., de Santiago, G., Tietjen, J., Westrich, J., and Windom, H.L. (1982). Coastal upwelling in the Rias Bajas, NW Spain: Contrasting the benthic regimes of the Rias de Arosa and de Muros. J. of Mar. Res. 40(3): 701-772

9. Westrich, J.T., Krom, M.D. and Berner R.A. (1983) Comments on "Molecular diffusion and the sedimentary environment: Results from the In situ determination of whole sediment diffusion coefficients" by P.E. Kepkay, R.C. Cooke and A.J. Bowen. Geochim Cosmochim Acta 46 (11) 2407.
10. Krom, M.D. and Berner R.A. (1983) A rapid method for the determination of organic carbon and carbonate carbon in geological samples. J.Sed. Pet. Vol. 53 (2) 6060.
11. Krom, M.D., Grayer S. and Davidson A. (1985) An automated method of Ammonia determination for use in mariculture. Aquaculture 44: 153-160.
12. Krom, M.D. and Bennett, J.T. (1985) Sources, decomposition rates and decomposition of organic carbon in recent sediments of Sachem harbour, Long Island Sound. Estuarine and Coastal Shelf Science 21: 325-336.
13. Krom, M.D., Porter, C., and Gordin, H. (1985a). Causes of fish mortalities in semi-intensively operated seawater ponds in Eilat, Israel. Aquaculture 49: 159-177.
14. Krom, M.D., Porter, C., and Gordin, H. (1985b). Description of the water quality conditions in a semi-intensively cultured marine fish pond in Eilat, Israel. Aquaculture 49: 141-157.
15. Krom, M.D., Porter, C., and Gordin, H. (1985c). Nutrient budget of a marine fish pond in Eilat, Israel. Aquaculture 51: 65-80.
16. Krom, M.D. (1986). Sources of water to the seawater well which supplies the fish ponds in Eilat: Implications for pond management. Water Res. 20(4): 463-469.
17. Krom, M.D. (1986). An evaluation of the concept of assimilative capacity as applied to marine waters. Ambio 15 (4), 208-214.
18. Porter, C., Krom, M.D., and Gordin, H. (1986). Effect of water quality on the growth rate of Sparus aurata in marine fishponds. Aquaculture 59: 299-315.
19. Porter, C.P., Krom, M.D., Robbins, M.G., Brickell, L. and Davidson A. (1987). Ammonia excretion and total N budget for gilthead seabream (Sparus aurata) and its effect on water quality conditions. Aquaculture. 66: 287-298.
20. Blackburn, T.H., Lund, B.A., and Krom, M.D. (1988). C- and N- mineralization in seawater fish pond sediments. Mar. Ecol. Prog. Series. Vol. 44(3) 221-227.
21. Neori, A., Krom M.D., Cohen, I., and Gordin, H. (1989). Water quality conditions and particulate chlorophyll *a* of new intensive seawater fishponds in Eilat, Israel: daily and diel variations. Aquaculture. 80: 63-78.

22. Krom, M.D., Erez, J., Porter, C.B., and Ellner, S. (1989) Phytoplankton Nutrient Uptake Dynamics in Earthen Marine Fishponds under Winter and Summer Conditions. Aquaculture. 76: 237-253.
23. Krom, M.D. and Neori, A. (1989). A total Nutrient budget for an experimental intensive fishpond with circularly moving seawater. Aquaculture. 83, 345-358.
24. Erez, J., Krom, M.D., and Neubirt, T. (1990). Daily oxygen variations in marine fish ponds, Eilat, Israel. Aquaculture. 84 3/4, 289-306.
25. Krom, M.D., Neori, A. and van Rijn, J. (1989). Importance of water flow rate in controlling water quality processes in marine and freshwater fishponds. Israel J. of Aquaculture 41 (1): 23-33.
26. Hornung, H., Krom, M.D. and Cohen, Y. (1989). Trace metals in sediments and benthic organisms from Haifa bay, Israel. Est. Coastal. Shelf Sci. 29: 43-56.
27. Wajsbrodt, N., Krom, M.D., Gasith, A., and Samocha, T., (1989). Ammonia excretion of green tiger prawn P.semisulcatus as a possible limit for the biomass density in shrimp ponds. Israel J. of Aquaculture 41(4): 159-164.
28. Wajsbrodt, N., Gasith, A., Krom, M.D. and Samocha, T.M., (1990). Effect of Dissolved Oxygen and the moult stage on the acute toxicity of ammonia to juvenile Tiger prawn Penaeus Semisulcatus. Environmental Toxicology and Chemistry. 9: 497-504.
29. Krom, M.D., Hornung, H. and Cohen, Y. (1990) Determination of the Environmental Capacity of Haifa Bay with respect to Mercury. Marine Pollution Bulletin 27 (7): 349-354.
30. Brenner, S., Rozentraub, Z., Bishop, J., and Krom, M. (1990) The Mixed Layer/Thermocline Cycle of a Persistent Warm Core Eddy in the eastern Mediterranean. Dynamics of Atmospheres and Oceans. 15: 457-477.
31. Wajsbrodt, N., Gasith, A., Krom, M.D., and Popper, D. (1991) Effect of Dissolved oxygen on the acute toxicity of ammonia to juvenile Sparus aurata. Aquaculture 92 (2/3): 277-288.
32. Krom, M.D., Brenner, S., Isrialov, L., and Krungal, B. (1991) Dissolved Nutrients, preformed nutrients and elemental ratios in the S.E.Mediterranean Sea. Oceanologica Acta. 14(2) 189-194.
33. Krom, M.D., Brenner, S., Kress, N. and Gordon, L.I. (1991) Phosphorus limitation of Primary Productivity in the E.Mediterranean sea. Limnol. Ocean. 36 (3): 424-432. *Included in the 60th anniversary virtual issue of Limnology and Oceanography 2016 as one of the 60 most cited papers in that journal.*

34. Friedlander, M. , Krom, M.D. and Ben-Amotz, A. (1991) The effect of light and ammonium on growth, epiphytes and chemical constituents of *Gracilaria conferta* in outdoor cultures. Botanica Marina, 34: 161-166.
35. Krom, M.D. (1991) Importance of Benthic productivity in controlling dissolved inorganic nitrogen flux from sediment in a hypertrophic marine system. Marine Ecology Progress Series. 78: 163-172.
36. Krom, M.D., Brenner, S., Kress, N., Neori, A., and Gordon, L.I. (1992). Nutrient dynamics and New Production in a Warm-core eddy from the E.Mediterranean. Deep-Sea Research. 39 (3/4):467-480
37. Krom, M.D., Brenner, S., Kress, N., Neori, A., and Gordon, L.I. (1993). Nutrient distributions during an annual cycle across a warm-core oceanic eddy from the E.Mediterranean sea. Deep Sea Research. 40 (4): 805-825
38. Hornung, H., Krom, M.D., Cohen, Y. and Bernhard, M. (1993) Trace metal content of deep water sharks from the Eastern Mediterranean Sea. Marine Biology, 115, 331-338
39. Kress, N., Golik, A., Galil, B., Krom, M.D. (1993). Monitoring the disposal of Coal Fly Ash at a deep water disposal site in the Eastern Mediterranean sea. Marine Pollution Bulletin. 26(8), 447-456.
40. Herut, B., Hornung, H., Krom, M.D., Kress, N. and Cohen, Y., (1993) Metal contamination in the coastal region of Israel. Marine Pollution Bulletin 26(12), 675-682.
41. Krom, M.D., Hornung, H., and Kaufman, A. (1994) Industrial mercury in combination with natural Pb^{210} as time dependant tracers of sedimentation and mercury removal from Haifa bay, Israel. Estuarine Coastal and Shelf Science. 38, 625-642.
42. Krom, M.D., Davison, P., Zhang, H., and Davison, W. (1994) High resolution sampling of pore waters using a gel probe from Esthwaite Water, Lake District. Mineralogical Magazine Vol. 58A, 497-8.
43. Krom, M.D., Davison, P., Zhang, H., and Davison, W. (1994) High resolution pore water sampling using a gel sampler: Limnol. Oceanogr. 39(8), 1967-1972.
44. Krom, M.D., Ellner, S., van Rijn, J. and Neori, A. (1995). Nitrogen and phosphorus cycling and transformations in a prototype "non-polluting" integrated mariculture system, Eilat, Israel. Marine Ecol. Progress Series. 118: 25-36.
45. Krom, M.D. (1995). Oceanography of the Eastern Mediterranean Sea. Challenger Society. Vol 5(3), 22-28.

46. Herut, B., Hornung, H., Kress, N., Krom, M.D. and Shirav, M. (1995) Trace metals in sediments at the lower reaches of Mediterranean coastal rivers, Israel. Journal Wat. Sci. & Tech., 32 (9/10), 239-246
47. Neori, A., Krom, M.D., Ellner, S.E., Boyd, C.E., Popper, D., Rabinovitch, R., Davison, P.J., Dvir, O., Zuber, D., Ucko, M., Angel, D., Gordin, H. (1996). Seaweed biofilters as regulators of water quality in integrated fish-seaweed culture units. Aquaculture. 141: (3-4), 183-199.
48. Ellner, S., A.Neori, M.D.Krom, K.Tsai, and M.R.Easterling. (1996). Simulation model of recirculating mariculture ponds with seaweed biofilter: development and experimental tests of the model. Aquaculture. 143: 167-184.
49. van Santvoort, P.J.M., de Lange, G.J., Thomson, J., Cussen, H., Wilson, T.R.S., Krom, M.D., and Strohle, K. (1996). Active post-depositional oxidation of the most recent sapropel (S1) in sediments of the Eastern Mediterranean. Geochim. Cosmochim. Acta. Vol. 60 No: 21 4007-4024.
50. Eijsink, L.M., M.D.Krom, and G. de Lange (1997). The use of sequential extraction techniques for sedimentary phosphorus in Eastern Mediterranean sediments. Marine Geology. Vol. 139 No. 1/4 147-156
51. Strohle, K., and M.D.Krom (1997). Evidence for the evolution of an oxygen minimum layer at the beginning of S-1 sapropel deposition in the Eastern Mediterranean. Marine Geology Vol. 140 231-236
52. Zohary, T., Brenner, S., Krom, M.D., Angel, D.L., Kress, N., Li, W.K.W., Neori, A., and Yacobi, Y.Z. (1998) Buildup of microbial biomass during deep winter mixing in a Mediterranean warm-core eddy. Marine Ecology Progress series. Vol 167 47-57.
53. Mortimer, R.T.G. and Krom, M.D. (1998) New insights into biogeochemical processes from DET gel probes. Mineralogical Magazine Vol. 62A, 1028-1029.
54. Mortimer, R., Krom, M.D., Hall, P.O.J., Hulth, S. and H.Stahl, (1998). Use of gel probes for the determination of high resolution solute distributions in marine and estuarine pore waters. Marine Chemistry. 63, 119-129
55. Krom, M.D., Cliff, R.A., Eijsink, L.M., Herut, B., Chester, R.(1999) The characterisation of Saharan dusts and Nile Particulate matter in sediments from the Levantine basin using Sr isotopes. Marine Geology 155: 319-330.
56. Pan, G., Liss, P.E. and Krom M.D., (1999). Particle concentration effect and adsorption reversability. Colloid and Surfaces A. Physicochemical and Engineering aspects. 151, 127-133.
57. Nishri, A., Stiller, M., Rimmer, A., Geifman, Y., and Krom M.D., (1999) Lake Kinneret (The Sea of Galilee): the effects of diversion of external salinity sources and the probable chemical composition of the internal salinity sources. Chemical Geology 158, 37-52.

58. Mortimer, R.J.G., Krom M.D., Watson, P.G., Frickers, P.E., Davey, J.T., & Clifton R.J. (1999) Sediment-water exchange of nutrients in the intertidal zone of the Humber Estuary. Marine Pollution Bulletin 37: 259-277
59. Krom, M.D., Michard, A., Cliff, R.A. and Strohle, K. (1999) Sources of sediment to the Ionian Sea and western Levantine basin of the Eastern Mediterranean during S-1 sapropel times. Marine Geology 160, 45-61.
60. Mortimer, R.J.G., Davey, J.T., Krom, M.D., Watson, P.G., Frickers, P.E., & Clifton, R.J. (1999) The effect of Macrofauna on Pore-water profiles and Nutrient fluxes in the Intertidal zone of the Humber Estuary. Estuarine Coastal Shelf Science. 48, 683-699
61. Herut, B., Krom, M.D., Pan, G. and Mortimer, R. (1999) Atmospheric input of nitrogen and phosphorus to the SE Mediterranean: sources, fluxes and possible impact. Limnology & Oceanography. 44(7), 1683-1692
62. Mortimer, R.J.G., Krom, M.D., Boyle, D.R., Nishri, A. (1999) Use of a high resolution pore water gel profilers to measure groundwater fluxes at an underwater saline seepage site in Lake Kinneret, Israel. Limnology & Oceanography, 44(7) 1802-1809.
63. L.M.Eijsink, M.D.Krom and B.Herut, (2000) Speciation and burial flux of phosphorus in the surface sediments of the eastern Mediterranean. American Journal of Science, 300 (6), 483-503
64. Herut, B., Nimmo, M., Medway, A., Chester, R., and Krom, M.D. (2001) Dry atmospheric inputs of trace metals at the Mediterranean coast of Israel (SE Mediterranean): Sources and Fluxes. Atmospheric Environment. 35/4 803-813.
65. S.Goldsmith, B.Herut, M.D.Krom, and A.Sandler, (2001). Spatial trends in the chemical composition of sediments on the continental shelf and slope off the Mediterranean coast of Israel. Coastal Shelf Research 21 1879-1900
66. Struck, U., Emies, K-C., Voss, M., Krom, M.D., and Rau, G.H., (2001) Biological productivity during Sapropel S5 formation in the eastern Mediterranean Sea – Evidence from Stable Isotopes of Nitrogen and Carbon. Geochimica Cosmochimica Acta 65: 3249-3266
67. M.D.Krom, A.Neori, J.van Rijn, S.W.Poulton and I.M.Davies (2001) Environmentally friendly marine agriculture. Ocean Challenge Vol 10 (2), 22-27.
68. S.W.Poulton, Krom, M.D., van Rijn, J., and Raiswell, R. (2002) The use of hydrous iron (III) oxides for the removal of hydrogen sulphide from aqueous systems. Water Research. 36 (4), 825-834.

69. M.D.Krom, J.-D.Stanley, R.A.Cliff and J.C.Woodward (2002). River Nile sediment fluctuations over the past 7000 years and their key role in sapropel development. *Geology* 30 (1) 71-74.
70. Herut, R.Collier and M.D.Krom (2002) The role of dust in supplying nitrogen and phosphorus to the South East Mediterranean. *Limnology and Oceanography*, 47(3), 870-878.
71. H.Zhang, W.Davison, R.Mortimer, M.Krom, P.Hayes and I.M.Davies (2002) Localized remobilization of metals in a marine sediment. *Science of the Total Environment*, 296, 175-187.
72. R.J.G.Mortimer, M.D.Krom, W.Davison, H.Zhang, P.J.Hayes & I.M.Davies. (2002) Evidence for suboxic nitrification in recent marine sediments. *Marine Ecology Progress Series*, Vol 236: 31-35.
73. Pan, G., Krom, M.D., and Herut, B., (2002) Adsorption-desorption of phosphate onto/from airborne dust and riverborne particulates in East Mediterranean seawater. *Environmental Science and Technology*, 36 (16), 3519-3524.
74. S.Poulton, M.D.Krom, J.van Rijn R.Raiswell and R.Bows (2003), Detection and removal of dissolved hydrogen sulphide via sulphidation of hydrous iron (III) oxides. *Environmental Technology* Vol 24, 217-229
75. Krom, M.D., Mortimer, R.J.G., Poulton, S.W., Hayes, P., Davies, I.M., Davison W. and Zhang, H. (2002) In-situ determination of dissolved iron production in recent marine sediments *Aquatic Science*, 64 282-291.
76. Y.Barak, E.Cytryn, I. Gelfand, M.Krom and J. van Rijn (2003) Phosphate removal in a marine prototype recirculating aquaculture system. *Aquaculture*, 220 313-326
77. Stanley, J-D., Krom, M.D., Cliff, R.A. and Woodward, J.C. (2003) Nile flow failure at the End of the Old Kingdom, Egypt: Strontium isotopic and Petrologic evidence. *Geoarcheology* Vol. 18, No. 3 395-402.
78. Gelfand, I, Barak, Y, Even-Chen, Z., Cytryn, E., van Rijn, J., Krom, M.D., Neori, A. (2003) A novel zero discharge intensive Seawater recirculating system for the culture of marine fish *J.of the World Aquaculture Society*. 34: (3) , 344-358.
79. Poulton, S.W., Krom, M.D. and Raiswell, R. (2004) A revised scheme for the reactivity of iron oxyhydr(oxide) minerals towards dissolved sulphide. *Geochimica Cosmochimica Acta* 68: 3703-3715.
80. Mortimer, R.J.G., Harris, S.J., Krom, M.D., Freitag, T., Prosser, J., Barnes, J., Anschultz, P., Hayes, P., and Davies I.M. (2004) Anoxic nitrification in marine sediments *Marine Ecology Progress Series* 276: 37-51.

81. Krom, M.D., Herut, B., Mantoura, R.F.C. (2004) Nutrient budget for the eastern Mediterranean: Implications for P limitation. *Limnology and Oceanography* 49: 1582-1592.
82. Karakassis, I., Pitta, P., and Krom M.D. (2005) Contribution of fish farming to the nutrient loading of the Mediterranean. *Scientia Marina* 69 (2). 313-321.
83. Thingstad, T.F., Krom, M.D., Mantoura, R.F.C., Flaten, G.A.F., Groom, S., Herut, B., Kress, N., Law, C., Pasternak, A., Pitta, P., Psarra, S., Rassoulzadegan, F., Tanaka, T., Tselipides, A., Wassmann, P., Woodward, E.M.S., Wexels Riser, C., Zodiatis, G., Zohary, T., 2005. Nature of P limitation in the ultra-oligotrophic Eastern Mediterranean, *Science* 309, 1068-1071
84. Carbo, P., Krom, M.D., Homoky, W.B., Benning, L.G., Herut, B., 2005. Impact of atmospheric deposition on N and P geochemistry in the southeastern Levantine basin. *Deep-Sea Research II* Volume 52: Nos 22-23, 3041-3053.
85. Flaten, G.A.F., Skjoldal, E.F., Krom, M.D., Law, C.S., Mantoura, R.F.C., Pitta, P., Psarra, S., Tanaka, T., Tselipides, A., Woodward, E.M.S., Zohary, T., Thingstad, T.F., 2005. Studies of the microbial P-cycle during a Lagrangian phosphate-addition experiment in the Eastern Mediterranean. *Deep-Sea Research II* Volume 52: Nos 22-23 2928-2943
86. Groom, S., Herut, B., Brenner, S., Zodiatis, G., Psarra, S., Kress, N., Krom, M.D., Law, C.S., Drakopoulos, P., 2005. Satellite derived spatial and temporal biological variability in the Cyprus Eddy. *Deep-Sea Research II* Volume 52: Nos 22-23 2990-3010
87. Herut, B., Zohary, T., Krom, M.D., Mantoura, R.F.C., Pitta, P., Psarra, S., Rassoulzadegan, F., Tanaka, T., Thingstad, F., 2005. Response of East Mediterranean surface water to Sahara dust: On-board microcosm experiment and field observations. *Deep-Sea Research II* Volume 52: Nos 22-23 3024-3040
88. Krom, M.D., Thingstad, T.F., Carbo, P., Drakopoulos, P., Fileman, T.W., Flaten, G.A.F., Groom, S., Herut, B., Kitidis, V., Kress, N., Law, C.S., Liddicoat, M.I., Mantoura, R.F.C., Pasternak, A., Pitta, P., Polychronaki, T., Psarra, S., Rassoulzadegan, F., Skjoldal, E.F., Spyres, G., Tanaka, T., Tselipides, A., Wassmann, P., Wexels-Riser, C., Woodward, E.M.S., Zodiatis, G., Zohary, T., 2005. The CYCLOPS P addition Lagrangian experiment in the Eastern Mediterranean. *Deep-Sea Research II* Volume 52: Nos 22-23 3090-
89. Krom, M.D., Woodward, E.M.S., Herut, B., Kress, N., Carbo, P., Mantoura, R.F.C., Spyres, G., Thingstad, T.F., Wassmann, P., Wexels Riser, C., Kitidis, V., Law, C.S., Zodiatis, G., 2005. Nutrient cycling in the south east Levantine basin of the Eastern Mediterranean: results from a phosphorus starved system. *Deep-Sea Research II* Volume 52: Nos 22-23 2879-2896
90. Psarra, S., Zohary, T., Krom, M.D., Mantoura, R.F.C., Polychronaki, T., Stambler, N., Tanaka, T., Tselipides, A., Thingstad, T.F., 2005. Phytoplankton response to a Lagrangian phosphate addition in the Levantine Sea (Eastern Mediterranean). *Deep-Sea Research II* Volume 52: Nos 22-23 2944-2960.

91. Zohary, T., Herut, B., Krom, M.D., Mantoura, R.F.C., Pitta, P., Psarra, S., Rassoulzadegan, F., Stambler, N., Tanaka, T., Thingstad, T.F., Woodward, E.M.S., 2005. P-limited bacteria but N&P co-limited phytoplankton in the Eastern Mediterranean – a microcosm experiment. *Deep-Sea Research II*, Volume 52: Nos 22-23 3011-3023
92. Krom, M.D., Wassman, P. and Zohary, T. 2005. On the nature of phosphorus cycling and limitation in the Eastern Mediterranean. *Deep-Sea Research II*, Volume 52: Nos 22-23
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94. S.H.Bottrell, R.J.G.Mortimer, M.Spence, M.D.Krom., J.M.Clark, and P.J.Chapman. (2007) Insights into redox cycling of sulphur and iron in peatlands for high-resolution gel probe sampling. *Chemical Geology* 244, 409-420.
95. Neori, A., Krom, M.D., van Rijn, J. (2007) Biogeochemical processes in intensive zero-effluent marine fish culture system with recirculating aerobic and anaerobic biofilters *Journal of Experimental Marine Biology and Ecology*, 349 235-247.
96. Tanaka, T., Zohary, T., Krom, M.D., Law, C.S., Pitta, P., Psarra, S., Rassoulzadegan, F, Thingstad, F., Tselipides, A, Woodward, M.S., Fonnes-Flaten, G.A., Skjoldal., E.F., Zodiatis, G. (2007) Microbial community structure and function in the Levantine basin of the eastern Mediterranean. *Deep-Sea Research I*. 1721-1743
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