

CURRICULUM VITAE

ULRICH BATHMANN

Date of birth: September 24th, 1954 in Würzburg, Germany

Citizenship: German

Married, 4 children

INSTITUTIONAL AFFILIATION

Leibniz Institute for Baltic Sea Research, IOW
Seestr. 15
D-18119 Rostock-Warnemünde

Telephone: +49 381 5197 100

Fax: +49 381 5197 105

E-mail: ulrich.bathmann@io-warnemuende.de

SCIENTIFIC EMPLOYMENT

Oct 2011 - now	Full Professor Earth System Sciences, Rostock University and Director of Leibniz Institute for Baltic Sea Research, Warnemünde, Germany
2009 – 2011	Head of Research Division Biosciences at the Alfred-Wegener Institute for Marine and Polar Research (AWI), Bremerhaven, Germany
2001- 2011	Professor in Biological Oceanography, University Bremen, Germany
2000 - 2011	Head of Department Biological Oceanography in AWI
1990 – 2001	Senior scientist at the Alfred Wegener Institute for Polar Research, Bremerhaven
1989 – 1990	PostDoc with Prof. Smetacek, AWI
1986 – 1989	PostDoc in the special research project “Sedimentation in the European Polar Sea“ (SFB 313) at Kiel University, Germany
1985 – 1986	Studies Dalhousie University Halifax, Canada
1984 – 1986	PhD student, Institute for Marine Research, Univ. Kiel

SCIENTIFIC ASSOCIATIONS

Jan 2014 – Jan 2015	Representative of the German National Academy of Sciences Leopoldina, in the EASAC Working Group "Marine Sustainability"
2013 – now	Member of the German Section of the Intergovernmental Oceanographic Commission (DIOC) Executive Board of the Leibniz Association Chair of Leibniz section E "Environmental Sciences"
2012 – now	Executive Board of the Consortium German Marine Research Chair Research Campus Phosphorus at the University of Rostock
2011 – now	Executive Board of the Interdisciplinary Faculty - Maritime Systems - at the University of Rostock
2009 – 2014	Executive board of the national SCOR committee
2000 – 2009	Head of Science Advisory Board, AWI
1993	Habilitation, University Bremen
1986	Dissertation Dr.rer. nat. Univ. Kiel
1984	Graduation Diploma Univ. Kiel
1977 – 1984	studies at Christian Albrechts Universität (CAU), Kiel: Biological Oceanography, Zoology, Biochemistry, Limnology

ONGOING PROJECTS AS PROJECT LEADER:

2013-2016 Research grant: The service of sediments in German coastal seas – evaluating the function of marine benthic systems in the context of human use – Service functions of the Baltic Sea- (SECOS), BMBF 1.76M€

2012-2016 Starting grant; Leibniz-WissenschaftsCampus entitled „Rostocker Phosphorforschung“, Leibniz Gemeinschaft 150T€

2015-2018 Research grant; Leibniz ScienceCampus, Phosphorus Research Rostock, (‘ScienceCampus Rostock’) Leibniz- SAS Proposal, 2.8M€

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PUBLICATIONS: ULRICH BATHMANN

Web of Science Nov 2014: 279 results (89 peer-review publications + 190 doi data entry), 3265 citations (36,69 average citations on peers reviewed papers), h-index 31

2014

Metfies, K., Nicolaus, A., von Harbou, L., Bathmann, U., Peeken, I. (2014): Molecular analyses of gut contents: elucidating the feeding of co-occurring salps in the Lazarev Sea from a different perspective. **Antarctic Science** :26, pp 545-553DOI: <http://dx.doi.org/10.1017/S0954102014000157>

Flores, H., B. P. V. Hunt, S. Kruse, E. A. Pakhomov, V. Siegel, J. A. van Franeker, V. Strass, A. P. Van de Putte, E. H. W. G. Meesters and U. Bathmann (2014). Seasonal changes in the vertical distribution and community structure of Antarctic macrozooplankton and micronekton. **Deep-Sea Res.** Pt. 1. 84: 127-141, doi:10.1016/j.dsr.2013.11.001

2013

Kraft, A., Nöthig, E.-M., Bauerfeind, E., Wildish, D. J., Pohle, G. W., Bathmann, U., Beszczynska-Möller, A., Klages, M. (2013). First evidence of reproductive success in a southern invader indicates possible community shifts among Arctic zooplankton. **Marine Ecology Progress Series**, <http://www.int-res.com/articles/meps2013/493/m493p291.pdf>

Kraft, A., Bauerfeind, E., Nöthig, E.-M., Klages, M., Beszczynska-Möller, A., Bathmann, U. (2013). Amphipods in sediment traps of the eastern Fram Strait with focus on the life-history of the lysianassoid *Cyclocaris guilelmi*. **Deep Sea Research Part I**, 73: 62-72, <http://dx.doi.org/10.1016/j.dsr.2012.11.012>

Assmy, P., Smetacek, V., Montresord, M., Klaas, C., Henjes, J., Strass, V. H., Arrieta, J. M., Bathmann, U., Berg, G. M., Breitbarth, E., Cisewski, B., Friedrichs, L., Fuchs, N., Herndle, G. J., Jansen, S., Krägfesky, S., Latasal, M., Peeken, I., Röttgers, R., Scharek, R., Schüller, S. E., Steigenberger, S., Webb, A., Wolf-Gladrow, D. (2013). Thick-shelled, grazer-protected diatoms decouple ocean carbon and silicon cycles in the iron-limited Antarctic Circumpolar Current. <http://www.pnas.org/content/early/2013/11/13/1309345110.full.pdf>

2012

Bathmann, U. (2012) Unser Planet lebt durch seine Ozeane. In: Tiefsee: Expeditionen zu den Quellen des Lebens. Ed by E. Wefer, F. Schmieder and S. v. Neuhoff. Rosenheim: Veranstaltungs- u. Kongress GmbH: 24-31, chapter in book

Smetacek, V., Klaas, C., Strass, V. H., Assmy, P., Montresor, M., Cisewski, B., Savoye, N., Webb, A., d'Ovidio, F., Arrieta, J. M., Bathmann, U. et al. (2012). Deep carbon export from a Southern Ocean iron-fertilized phytoplankton bloom. **Nature** 487: 313-319

2011

Brandt, A., Ebbe, B., Bathmann, U. (2011). Southern Ocean biodiversity - From pelagic processes to deep-sea response. **Deep Sea Research II**, 58, pp. 1945-1947.
<http://dx.doi.org/10.1016/j.dsr2.2011.05.003>

Dubischar, C. D., Pakhomov, E. A., von Harbou, L., Hunt, B. P. V., Bathmann, U. (2011). Salps in the Lazarev-Sea, Southern Ocean: II. Biochemical composition and potential prey value, **Marine Biology**: DOI 10.1007/s00227-011-1785-5

von Harbou, L., Dubischar, C. D., Pakhomov, E. A., Hunt, B. P. V., Hagen, W., Bathmann, U. (2011). Salps in the Lazarev Sea, Southern Ocean: I. Feeding dynamics, **Marine Biology**: 158: 2009-2026

Hunt, B. P. V., Pakhomov, E. A., Siegel, V., Strass, V., Cisewski, B., Bathmann, U. (2011). The seasonal cycle of the Lazarev Sea macrozooplankton community and a potential shift to top down trophic control in winter, **Deep Sea Research II**, 58, 1662-1676.

Martynova, D., Kazus, N. A., Bathmann, U., Graeve, M., Sukhotin, A. A. (2011). Seasonal abundance and feeding patterns of copepods *Temora longicornis*, *Centropages hamatus* and *Acartia* spp. in the White Sea (66°N), **Polar Biology**, 34, 1175-1195.

Pakhomov, E. A., Dubischar, C. D., Hunt, B. P. V., Strass, V., Cisewski, B., Siegel, V., von Harbou, L., Gurney, L., Kitchener, J., Bathmann, U. (2011). Biology and life cycles of pelagic tunicates in the Lazarev Sea, Southern Ocean, **Deep Sea Research II**, 58, 1677-1689.

Selected publications before 2011

Bathmann, U., Passow, U. (2010). Kohlenstoffpumpen im Ozean steuern das Klima. Globale Erwärmung, **Biologie in unserer Zeit**, 40, 304-313.

Böttjer, D., Morales, C. E., Bathmann, U. (2010). Trophic role of small cyclopoid copepod nauplii in the microbial food web: a case study in the coastal upwelling system off central Chile, **Marine Biology**, 157, 689-705.

Bathmann, U., Passow, U. (2009). Carbon pumps in the Southern Ocean are impacting global climate, Biological studies in polar oceans: exploration of life in icy waters ; 35 research reports and reviews / Gotthilf and Irmtraut Hempel (ed.) Bremerhaven: Wirtschaftsverl. NW, Verl. für neue Wissenschaft, 219 - 226. Chapter in book

Reid, P. C., Bathmann, U., Batten, S., Brainard, R., Burkill, P., Carlotti, F., Chiba, S., Conversi, A., Dickson, R. R., Dooley, H., Edwards, M., Flinkman, J., Fukuchi, M., Goes, J., Greene, C. H., Hare, J. A., Hays, G. C., Head, E., Hood, R. R., Hosie, G., Hunt, B. P. V., John, A. W. G., Jonas, T. D., Jossie, J. W., Kim, K., Kirby, R. R., Kitchener, J., Kobayashi, D., Lakkis, S., Llope, M., Lopes, R. M., MacDiarmid, A., McQuatters-Gollop, A., Malone, T., Matondkar, P., Pershing, A., Richardson, A., Robertson, D., Robinson, K., Sartimbul, A., Stenseth, N. C., Sugisaki, H., Stevens, D., Vanden Berghe, E., Verheye, H., Vezzulli, L., Ward, P. (2009). A Global Continuous Plankton Recorder Programme, **OceanObs 09**.

Reid, P. C., Fischer, A., Lewis-Brown, E., Meredith, M. P., Sparrow, M., Andersson, A. J., Antia, A., Bathmann, U., Beaugrand, G., Brix, H., Dye, S., Edwards, M., Furevik, T., Gangstø, R., Hátún, H., Hopcroft, R. R., Kendall, M., Kasten, S., Keeling, R., Le Quéré, C., Mackenzie, F. T., Malin, G., Mauritzen, C., Ólafsson, J., Paull, C., Rignot, E., Shimada, K., Vogt, M., Wallace, C.,

Wang, Z., Washington, R. (2009). Impacts of the Oceans on Climate Change, **Advances in Marine Biology**, 56, 1-150.

Dehairs, F., de Brauwere, A., Elskens, M. , Bathmann, U., Becquevort, S., Blain, S., Boyd, P., Buesseler, K., Buitenhuis, E., Gehlen, M., Herndl, G., Klaas, C., Lampitt, R., Lefevre, D., Passow, U., Ploug, H., Primeau, F. (ed), Stemann, L. (ed), Trull, T. (ed) (2008). Controls on Organic Carbon Export and Twilight Zone Remineralization, **Oceanography**, 21, 92-95.

Bathmann, U. (2005). Ecological and biogeochemical response of Antarctic ecosystems to iron fertilization and implications on global carbon cycle. **Ocean and Polar Research** . 27: 231-235

Bathmann, U; Bundy, MH; Clarke, ME; et al. (2001). Future marine zooplankton research - a perspective . **Marine Ecology Progress Series** 222: 297-308

Bathmann, UV; Scharek, R; Klaas, C; et al. (1997). Spring development of phytoplankton biomass and composition in major water masses of the Atlantic sector of the Southern Ocean. **Deep-Sea Research** PART II. 44: 51-67

DeBaar, HJW., DeJong, JTM., Bakker, DCE., Löscher, BM., Veth, C., Bathmann, U., Smetacek, V. (1995). Importance of iron for plankton blooms and carbon dioxide drawdown in the Southern Ocean. **Nature** 373: 412-415

Grant, J., Bathmann U. (1987). Swept away –resuspension of bacterial mats regulates benthic-pelagic exchange of sulphur. **Science**: 236 (4807), 1472-1474