

Publications Sabine Schultes

Theses

The role of mesozooplankton grazing in the biogeochemical cycle of silicon in the Southern Ocean. Dissertation, Universität Bremen, 2004.

Dynamique de la production bactérienne du sulfure de diméthyle à partir du diméthylsulfoniopropionate dans la mer du Labrador. Mémoire de Maîtrise, Université du Québec à Rimouski, 1999.

Publications

Marcolin, C.R., Schultes, S., Jackson, G.A., Lopes, R.M. in press. Plankton and seston size spectra estimated by the LOPC and ZooScan in the Abrolhos Bank ecosystem (SE Atlantic), Continental Shelf Research <http://dx.doi.org/10.1016/j.csr.2013.09.022>

Schultes, S., Sourisseau, M., Lunven, M., LeMasson, E., Marié, L. 2013. Influence of physical forcing on mesozooplankton communities at the Ushant tidal front. *Journal of Marine Systems*. 109-110: 191-202 doi:10.1016/j.jmarsys.2011.11.025

Schultes, S., Lambert, C., Pondaven, P., Corvaisier, R., Jansen, S., Ragueneau, O. 2010. Recycling and uptake of Si(OH)₄ when protozoan grazers feed on diatoms. *Protist* 161 (2): 288-303.

Schultes, S., Lopes, R.M. 2009. Laser Optical Plankton Counter and Zooscan intercomparison in tropical and subtropical marine ecosystems. *Limnology & Oceanography Methods* 7: 771-784

Klaas, C., Verity, P., Schultes, S. 2008. Determination of copepod grazing rates on natural plankton communities: correcting for trophic-cascade effects. *Mar Ecol Prog Ser* 357:195-208, doi: 10.3354/meps07262

Pondaven, P., Gallinari, M., Chollet, S., Bucciarelli, E., Sarthou, G., Schultes, S., Jean, F. 2007. Grazing-induced changes in cell wall silicification in a marine diatom. *Protist* 158: 21-28.

Ragueneau, O., Schultes, S., Bidle, K., Claquin P., Moriceau, B. 2006. Si and C interactions in the world ocean: importance of ecological processes and implications for the role of diatoms in the biological pump. *Glob Biogeochem Cycl Vol. 20* GB4S02 doi: 10.1029/2006 GB002688, 2006

Schultes, S., Verity, P. G., Bathmann U. 2006. Biogeochemical relevance of copepod grazing in the Antarctic Circumpolar Current (ACC): I. Feeding patterns before and during an iron-induced diatom bloom and their impact on prey populations. *J Exp Mar Biol Ecol* 338: 16-34

Scarratt, M. G., Levasseur, M., Schultes, S., Michaud, S., Cantin, G., Vézina, A., Gosselin, M., de Mora, S. J. 2000. Production and consumption of dimethylsulfide (DMS) in North Atlantic Waters. *Mar Ecol Prog Ser* 204: 13-26

Schultes, S., Levasseur, M., Michaud, S., Cantin, G., Wolfe, G., Gosselin, M., de Mora, S. 2000. Dynamics of dimethylsulfide production from dissolved dimethylsulfoniopropionate in the Labrador Sea. *Mar Ecol Prog Ser*: 202, 27-40

Cantin, G., Levasseur, M., Schultes, S., Michaud, S. 1999. Dimethylsulfide production by size-fractionated particles in the Labrador Sea. *Aquat Microb Ecol* 19: 307-312