

Peer-reviewed publications

- Sonntag B, Summerer M, Sommaruga R** 2011 Are freshwater mixotrophic ciliates less sensitive to solar UV radiation than heterotrophic ones? *J. Euk Microbiol* in press, open access
- Sonntag B, Summerer M, Sommaruga R** 2011 Factors involved in the distribution pattern of ciliates in the water column of a transparent alpine lake. *J Plankton Res* in press, open access
- Sommaruga R, Sonntag B** 2009 Photobiological aspects of the mutualistic association between *Paramecium bursaria* and *Chlorella*. In: *Endosymbionts of Paramecium* (M Fujishima, Ed.), Microbiology Monographs 12, Springer Verlag, Berlin, Germany, 111-130
- Summerer M, Sonntag B, Hörtnagl P, Sommaruga R** 2009 Symbiotic ciliates receive protection against UV damage from their algae: A test with *Paramecium bursaria* and *Chlorella*. *Protist* 160:233-243
- Sonntag B, Strüder-Kypke MC, Summerer M** 2008 *Uroleptus willii* nov. sp., a euplanktonic freshwater ciliate (Dorsomarginalia, Spirotrichea, Ciliophora) with algal symbionts: morphological description including phylogenetic data of the small subunit rRNA gene sequence and ecological notes. *Denisia* 23:279-288
- Summerer M, Sonntag B, Sommaruga R** 2008 Ciliate-symbiont specificity of freshwater endosymbiotic *Chlorella* (Trebouxiophyceae, Chlorophyta). *J Phycol* 44:77-87
- Sonntag B, Summerer M, Sommaruga R** 2007 Sources of mycosporine-like amino acids in planktonic *Chlorella*-bearing ciliates (Ciliophora). *Freshwat Biol* 52:1476-1485, open access
- Summerer M, Sonntag B, Sommaruga R** 2007 An experimental test of the symbiosis specificity between the ciliate *Paramecium bursaria* and strains of the unicellular green alga *Chlorella*. *Environ Microbiol* 9:2117-2122, open access
- Posch T, Mindl B, Hornák K, Jezbera J, Salcher MM, Sattler B, Sonntag B, Vrba J, Šimek K** 2007 Biomass reallocation within freshwater bacterioplankton induced by manipulating phosphorous availability and grazing. *Aquat Microb Ecol* 49:223-232
- Salcher MM, Hofer J, Hornák K, Jezbera J, Sonntag B, Vrba J, Šimek K, Posch T** 2007 Modulation of microbial predator-prey dynamics by phosphorous availability. Part II: Growth patterns and survival strategies of bacterial phylogenetic clades. *FEMS Microbiol Ecol* 60:40-50
- Sonntag B, Posch T, Klammer S, Teubner K, Psenner R** 2006 Phagotrophic ciliates and flagellates in an oligotrophic deep alpine lake: contrasting variability with seasons and depths. *Aquat Microb Ecol* 43:193-207
- Pérez P, Libkind D, Diéguez MdC, Summerer M, Sonntag B, Sommaruga R, van Broeck M, Zagarese HE** 2006 Mycosporines from freshwater yeasts: a trophic cul-de-sac? *Photochem Photobiol Sci* 5:25-30
- Rott E, Füreder L, Schütz C, Sonntag B, Wille A** 2006 Species coexistence in contrast to competition – first evidence from biota within an extreme stream microhabitat. Proceedings of the International Association of Theoretical and Applied Limnology (SIL) 29:2321-2323
- Mindl B, Sonntag B, Pernthaler J, Vrba J, Psenner R, Posch T** 2005 Effects of phosphorus loading on interactions of algae and bacteria: reinvestigation of the „phytoplankton-bacteria paradox“ in a continuous cultivation system. *Aquat Microb Ecol* 38:203-213
- Sonntag B, Foissner W** 2004 *Urotricha psenneri* n. sp. and *Amphileptus piger* (Vuxanovici, 1962) n. comb., two planktonic ciliates (Protozoa, Ciliophora) from an oligotrophic lake in Austria. *J Eukaryot Microbiol* 51:670-677
- Sonntag B, Posch T, Klammer S, Griebler C, Psenner R** 2002 Protozooplankton in the deep oligotrophic Traunsee (Austria) influenced by discharges of soda and salt industries. *Water, Air, and Soil Pollution: Focus* 2: 211-226
- Griebler C, Sonntag B, Mindl B, Posch T, Klammer S, Psenner R** 2002 Assessment of the ecological integrity of Traunsee (Austria) via analysis of sediments and benthic microbial communities. *Water, Air, and Soil Pollution: Focus* 2:33-62
- Klammer S, Posch T, Sonntag B, Griebler C, Mindl B, Psenner R** 2002 Dynamics of bacterial abundance, biomass, activity, and community composition in the oligotrophic Traunsee and the Traun River (Austria). *Water, Air, and Soil Pollution Focus* 2: 137-163

- Posch T, Jezbera J, Vrba J, Šimek K, Pernthaler J, Andreatta S, Sonntag B** 2001 Size selective feeding in *Cyclidium glaucoma* (Ciliophora, Scuticociliatida) and its effects on bacterial community structure: a study from a continuous cultivation system. *Microb Ecol* 42: 217-227
- Sonntag B, Posch T, Psenner R** 2000 Comparison of three methods for determining flagellate abundance, cell size, and biovolume in cultures and natural freshwater samples. *Arch Hydrobiol* 149: 337-351
- Wille A, Sonntag B, Sattler B, Psenner R** 1999 Abundance, biomass and size structure of the microbial assemblage in the high mountain lake Gossenköllesee (Tyrol, Austria) during the ice-free period. *J Limnol* 58: 117-126
- Posch T, Šimek K, Vrba J, Pernthaler J, Nedoma J, Sattler B, Sonntag B, Psenner R** 1999 Predator-induced changes of bacterial size-structure and productivity studied on an experimental microbial community. *Aquat Microb Ecol* 18: 235-246
- Pfister G, Sonntag B, Posch T** 1999 Comparison of a direct live count and an improved quantitative protargol stain (QPS) in determining abundance and cell volumes of pelagic freshwater protozoa. *Aquat Microb Eco.* 18: 95-103