

Original contributions in peer-reviewed scientific journals

- Tartarotti B., Alfreider A., Egg M., Saul N., Schneider T., Sommaruga R., Tischler A. and J. Vetter. 2018. Seasonal plasticity in photoprotection modulates UV-induced *hsp* gene expression in copepods from a clear lake. *Limnol. Oceanogr.* doi: 10.1002/lno.10793
- Kammerlander B., Tartarotti B. and B. Sonntag. 2017. The impact of UV radiation on *Paramecium* populations from alpine lakes. *J. Eukaryotic Microbiol.* doi: 10.1111/jeu.12463
- Tartarotti B., Trattner F., Remias D., Saul N., Steinberg C.E.W. and R. Sommaruga. 2017. Distribution and UV protection strategies of zooplankton in clear and glacier-fed alpine lakes. *Scientific Reports.* DOI: 10.1038/s41598-017-04836-w
- Kammerlander B., Koinig K.A., Rott E., R. Sommaruga, Tartarotti B., Trattner F. and B. Sonntag. 2016. Ciliate community structure and interactions within the planktonic food web in two alpine lakes of contrasting transparency. *Freshw. Biol.* 61: 1950-1965.
- Anegg P., Psenner R. and B. Tartarotti. 2015. Infestation of zooplankton with *Triaenophorus* and *Proteocephalus* procercooids (Cestoda) in a deep oligotrophic lake. *J. Limnol.* 74(1): 40-49.
- Tartarotti B., Saul N., Chakrabarti S., Trattner F., Steinberg C.E.W. and R. Sommaruga. 2014. UV-induced DNA damage in *Cyclops abyssorum tatricus* populations from clear and turbid alpine lakes. *J. Plankton Res.* 36(2): 557-566.
- Orfeo M., Ventura M., Tartarotti B. and R. Sommaruga. 2011. Body distribution and source of mycosporine-like amino acids in the cyclopoid copepod *Cyclops abyssorum tatricus*. *J. Plankton Res.* 33(9): 1430-1444.
- Rautio M. and B. Tartarotti. 2010. UV radiation and freshwater zooplankton: damage, protection and recovery. *Freshw. Reviews* 3: 105-131.
- Tartarotti B. and J.J. Torres. 2009. Sublethal stress: Impact of solar UV radiation on protein synthesis in the copepod *Acartia tonsa*. *J. Exp. Marine Biol. Ecol.* 375: 106-113.
- Tartarotti B. and R. Sommaruga. 2006. Seasonal and ontogenetic change of mycosporine-like amino acids in planktonic organisms from an alpine lake. *Limnol. Oceanogr.* 51(3): 1530-1541.
- Tartarotti B., Baffico G., Temporetti P. and H.E. Zagarese. 2004. mycosporine-like amino acids in planktonic organisms living under different UV exposure conditions in Patagonian lakes. *J. Plankton Res.* 26: 753-762.
- Tartarotti B. and R. Sommaruga. 2002. The effect of different methanol concentrations and temperatures on the extraction of mycosporine-like amino acids (MAAs) in algae and zooplankton. *Arch. Hydrobiol.* 154(4): 691-703.

- Tartarotti B., Laurion I. and R. Sommaruga. 2001. Large variability in the concentration of mycosporine-like amino acids among zooplankton from lakes located across an altitude gradient. *Limnol. Oceanogr.* 46(6): 1546-1552.
- Zagarese, H.E., Diaz, M., Pedrozo, F., Ferraro, M., Cravero, W. and B. Tartarotti. 2001. Photodegradation of natural organic matter exposed to fluctuating levels of solar radiation. *J. Photochem. Photobiol.* 61(1-2): 35-45.
- Tartarotti B., Cravero W. and H. E. Zagarese. 2000. biological weighting function for the mortality of *Boeckella gracilipes* (Copepoda, Crustacea) derived from experiments with natural solar radiation. *Photochem. Photobiol.* 72(3): 314-319.
- Battini M., Rocco V., Lozada M., Tartarotti B. and H. E. Zagarese. 2000. Effects of ultraviolet radiation on the eggs of landlocked *Galaxias maculatus* (Galaxiidae, Pisces) in northwestern Patagonia. *Freshw. Biol.* 44(3): 547-552.
- Tartarotti B., Cabrera S., Psenner R. and R. Sommaruga. 1999. Survivorship of *Cyclops abyssorum tatricus* (Cyclopoida, Copepoda) and *Boeckella gracilipes* (Calanoida, Copepoda) under ambient levels of solar UV-B radiation in two high mountain lakes. *J. Plankton Res.* 21(3): 549-560.
- Zagarese H. E., Tartarotti B., Cravero W. and P. Gonzalez. 1998. UV damage in shallow lakes: the implications of water mixing. *J. Plankton Res.* 20: 1423-1433.
- Cabrera S., Lopéz M. and B. Tartarotti. 1997. Phytoplankton and zooplankton response to ultraviolet radiation in a high altitude Andean lake: short- versus long-term effects. *J. Plankton Res.* 19: 1565-1582.

Invited book chapters (peer-reviewed)

- Zagarese H. E., Tartarotti B. and A. Añón Suárez. 2003. The significance of ultraviolet radiation for aquatic organisms. In R.S. Ambasht and N. K. Ambasht (eds.) *Modern trends in applied aquatic ecology*. New York USA, KluwerAcademic/Plenum Press, pp. 173-200.
- Siebeck O., Sommaruga R. and B. Tartarotti. 2000. Effects of UV radiation on heterotrophic aquatic organisms. In R. Guderian and G. Gunkel (eds.) *Handbuch der Umweltveränderungen und Ökotoxikologie, Band III: Aquatische Ökosysteme*. Springer Verlag, Berlin, pp. 243-263 (in German).