

CURRICULUM VITAE
THOMAS WEISSE



Research Department for
Limnology, Mondsee

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Place of Birth: Berlin
Citizenship: German
Titles: University Professor, Honorary Professor, PhD (Dr. rer. nat. habil.)

Academic qualifications and Employment History

- 1998-present **Senior Scientist, Head of working group Plankton Ecology, and Director** (until October 31st, 2013) at the Institute for Limnology of the Austrian Academy of Sciences (respectively the Research Institute for Limnology, Mondsee, of the University of Innsbruck, effective 1 September 2012) Austria and **Honorary Professor for Limnology** at the University of Salzburg, Austria
- 1995-1998 Senior scientist (**Associate Professor** level, C3) and head of working group Microbial Ecology at the Max-Planck-Institute for Limnology, Plön, Germany
- 1995 University **lecturer** (Privatdozent, **Venia legendi** for **Limnology**) at the Christian-Albrechts-University at Kiel
- 1993-94 (18 months) **Vising Scientist** at the West Vancouver Laboratory, Fisheries & Oceans Canada (invited by Dr. J. G. Stockner; supported by the German Research Council, DFG)
- 1992 Habilitation, University **lecturer** (Privatdozent, **Venia legendi** for **Hydrobiology**) at Konstanz. Teaching at the Universities of Konstanz and Freiburg
- 1988-1993 **Assistant Professor** (Wissenschaftlicher Assistent, C1) at the Limnological Institute Konstanz
- 1986-88 **Research Scientist** at the Limnological Institute Konstanz
- 1985 **Ph.D.** in Biology/Biological Oceanography with distinction (summa cum laude) at the Institute for Marine Research/University of Kiel
Thesis: Biomass and metabolic activity of micro- and mesozooplankton in the Baltic Sea (in German)
- 1980-85 **Research Associate** at the Institute for Marine Research Kiel and the Biological Station Helgoland at List/Isle of Sylt
- 1982 **M.Sc.** (Diploma) with distinction in Biology/Biological Oceanography, University of Kiel, *Thesis: Impacts of a 'Phaeocystis pouchetii' bloom on the dominant copepod species of the Wadden Sea area off Sylt*
- 1978 **B.Sc.**, Free-University of Berlin

Main areas of research

Fundamental and applied Limnology, Functional Ecology of Freshwater Plankton, Aquatic Food Webs, Protist Ecology, Taxonomy, and Ecophysiology, Optical and Electronic Plankton Counting (Image analysis, Particle counting, Flow cytometry, FlowCAM)

Teaching and Theses supervised

Field and laboratory courses, lecture courses and seminars in Limnology, Biological Oceanography and Protozoology at the German Universities in Kiel, Konstanz, Freiburg, and the Austrian Universities in Salzburg and Innsbruck

15 Masters (Diploma) and 11 Doctorate (PhD) students supervised at the universities in Konstanz (D), Kiel (D), Salzburg (A), and Innsbruck (A)

Most important invitations to present at academic conferences

Weisse, T.: Functional ecology and diversity of planktonic protists. 15th International Congress of Protistology, Prague, Czech Republic, July 30-August 4, 2017 (plenary).

Weisse, T.: Functional diversity of aquatic ciliates. 5th Workshop of the International Research Coordination Network for Ciliate Biodiversity (IRCN-BC), Guam, July 26-29, 2016 (keynote).

Weisse, T.: Functional ecology of aquatic protists – key issues and open questions. VII ECOP/ ISOP Congress, Seville, Spain, Sept 5-10, 2015 (invited symposium organizer and speaker)

Weisse, T.: Community ecology of rare ciliates. 14th International Congress of Protistology (ICOP XIV), Vancouver, Canada, July 28-August 2, 2013 (symposium speaker).

Weisse, T.: Population dynamics of microorganisms - Adaptation and tolerance to physical conditions in the (freshwater) environment. New Directions for Investigating Biodiversity of Ciliates. Workshop presented by the International Research Coordination Network for Biodiversity of Ciliates, National Evolutionary Synthesis Center and North Carolina Central University, Durham, NC, USA, September 19-22, 2012 (keynote).

Weisse, T.: Sex, cysts, and local adaptation in freshwater protists. VIII. International Chrysophyte Symposium (ICS), Prague, Czech Republic, August 12-17, 2012 (keynote).

Weisse, T.: Water supply today and in the future. Joint International Conference on ‘Technologically modified environment –environmentally modified technology’. National Academy of Sciences, National Academy of Engineering, Institute of Medicine, German Academy of Sciences Leopoldina, National Academy of Sciences, Karlsruhe Institute of Technology, Karlsruhe, Germany, October 12-15, 2009 (keynote).

Weisse, T.: Biodiversity and ecology of freshwater ciliates. XXth International Congress of Zoology, Paris, France, August 26-29, 2008 (symposium speaker).

Weisse, T.: Significance of pH as environmental factor limiting the distribution of freshwater protists. V European Congress of Protistology and XI European Conference on Ciliate Biology, St. Petersburg (Russia), 23.-27.7.2007 (keynote).

Weisse, T.: Biodiversity of freshwater microorganisms. 4th Symposium for European Freshwater Sciences (SEFS 4), Krakow, Poland, August 22-26, 2005 (plenary).

- Total oral and poster presentations: 186
- Invited: 70
- Keynote presentations: 15 (12 at international meetings)

Most important academic prizes/awards

- Recipient of a grant for the dissertation by the Studienstiftung des Deutschen Volkes (1983-1985)
- Winner of the Prize for the best dissertation of the year of the Christian-Albrechts-University Kiel (1986)
- Honorary Professor for Limnology at the University of Salzburg, Austria (1998)
- Elected Member (2004) and Vice Chairman (2008-2012) of the Scientific Advisory Board of the Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin
- Vicepresident (2005-2008) and President (2008-2011) of the German Society for Protozoology
- Elected Member of the Scientific Advisory Board of the WasserCluster Lunz (2007-2012)
- Appointed member of the Strategic Planning Committee of the International Society of Protistologists (ISOP) and appointed member of the International Committee ISOP (since 2010)
- University Professor (2017) awarded by the Federal President of the Republic of Austria

Most important peer review activities, editorships and memberships in academic organisations

- Editor-in-Chief of the *European Journal of Protistology* (since 2008)
- Associate Editor of *Journal of Plankton Research* (2002-2003) and *Journal of Eukaryotic Microbiology* (2006-2009)
- Editorial Board member of *Journal of Plankton Research* (1998-2008), *Aquatic Ecosystem Health and Management Soc.* (2002-2006), *LIMNOLOGICA* (since 2004), *Freshwater Biology* (since 2009)
- Ad hoc reviewer for ~90 scholarly journals: *Acta Protozoologica*; *Advances in Limnology*; *Algal Research*; *AIMS Environmental Science*; *Annales de Limnologie*; *Applied and Environmental Microbiology*; *Aquatic Biology*; *Aquatic Ecology*; *Aquatic Ecosystem Health and Management Soc.*; *Aquatic Living Resources*; *Aquatic Microbial Ecology*; *Aquatic Sciences*; *Biological Invasions*; *Biology Letters*; *Fundamental and Applied Limnology* (formerly *Arch. Hydrobiol.*); *Canadian Journal of Fisheries and Aquatic Sciences*; *Canadian Journal of Microbiology*; *Chinese Journal of Oceanology and Limnology*; *Ciencias Marinas*; *Community Ecology*; *Cytometry*; *Deep-Sea Research*; *Ecohydrology & Hydrobiology*; *Ecology*; *Ecological Applications*; *Ecological Engineering*; *Ecological Indicators*; *Ecology Letters*; *Endocytobiology and Cell Research*; *Environmental Microbiology/Env. Microb. Reports*; *Environmental Monitoring and Assessment*; *Environmental Science and Pollution Research*; *Environmental Science & Technology*; *Estuarine, Coastal and Shelf Science*; *European Journal of Phycology*; *European Journal of Protistology*; *European Journal of Soil Biology*; *FEMS Microbiology & Ecology*; *Fresenius Environmental Bulletin*; *Freshwater Biology*; *Freshwater Science*; *Global Change Biology*; *Global Ecology and Biogeography*; *Hydrobiologia*; *Hydrological Processes*; *Inland Waters*; *Int. J. Biodiv. Conserv.*; *Int. J. Environ. Res. Public Health*; *International Review of Hydrobiology*; *Intern. J. Water Resources and Environmental Engineering*; *Italian Journal of Zoology*; *Journal of Animal Ecology*; *Journal of Basic Microbiology*; *Journal of Eukaryotic Microbiology*; *Journal of Experimental Marine Biology and Ecology*; *Journal of Limnology*; *Journal of the Marine*

Biological Association of the United Kingdom; Journal of Marine Systems; Journal of Plankton Research; Journal of Phycology; Knowledge and Management of Aquatic Ecosystems; Limnologica; Limnology (The Japanese Society of Limnology); Limnology and Oceanography; Marine and Freshwater Research; Marine Biology; Marine Biology Research; Marine Ecology Progress Series; Microbial Ecology; Marine Environmental Research; Marine Pollution Bulletin; Metabarcoding and Metagenomics; Microbial Ecology; Microbiological Research; Molecular Ecology; NATURE; Oecologia; Oceanological and Hydrobiological Studies; Phycological Research; PLOSONe; Proceedings of the Royal Society B; Polish Journal of Ecology; Protist; Protozoological Monographs; Science of the Total Environment; SIL Proceedings; Symbiosis; The ISME journal; Water Research; Zoological Studies

- Advisor/reviewer within the German DFG Priority Program Aquashift (2004-2010)
- Member of the Peer Review College of the Danish Council for Independent Research (since 2012)
- Reviewer for Natural Environmental Research Council (NERC, UK); National Science Foundation (USA); Netherlands Organisation for Scientific Research (NWO); The Research Foundation - Flanders (FWO, Belgium); The Danish Council for independent Research; German Research Foundation (DFG); Czech Science Foundation; European Science Foundation; Estonian Science Foundation; Swiss National Science Foundation; State Secretariat for Education, Res. and Innovation (CH); National Science Centre, Poland; Austrian Science Fund (FWF); Ministry of Education, Science and Culture (Austria); National Bank (Austria); Federal Ministry of Education and Research (BMBF, Germany); Autonome Provinz Bozen-Südtirol; World University Service - Austrian Committee, Sea Grant Program (US), and various search and promotion committees in several countries

Most important research projects as Principal Investigator

Morphology and ecology of endemic ciliates from bromeliads, funded by the Austrian Science Fund (together with W. Foissner, Univ. of Salzburg, Project no. P20360-B17), 2008-2013); amount awarded to TW ~70,000 €.

Global warming threatens biodiversity in (ultra)-sensitive alpine lakes: an assessment of past, present and future scenarios (together with R. Kurmayer, ILIM; Austrian National Committee for Alpine Research): 01.08.2009-31.12.2012; amount awarded 233,000 €.

Patterns and processes of adaptation and tolerance to low pH of freshwater plankton (FWF Project P20118-B17): 01.07.2007-31.03.2011; amount awarded 295,009 €.

Phenotypic and genotypic variability of *Meseres corlissi* (Austrian Science Fund, FWF, Project P16796-B06): 01.01.2004-30.06.2007; amount awarded 216,740 €.

Diversity and dynamics of autotrophic picoplankton (Austrian Science Fund, FWF, Project P14238-B06): 01.03.2000-31.07.2003; amount awarded 226,971 €.

4 projects as PI on **Autotrophic picoplankton, heterotrophic nanoflagellates, and the microbial food web** within the Special Collaborative Program 248, 'Cycling of Matter in Lake Constance' funded by Deutsche Forschungsgemeinschaft (DFG): 1986-94, total amount awarded ~460,000 €.

Overview of research funding as PI:

Austrian Science Fund (FWF, 4 projects), Austrian National Bank (ÖNB, 1 project), Austrian National Committee Alpine Research (1 project), German Research Council (DFG, 7 projects), Commission of the European Community (2 projects), Volkswagen Foundation (1 project), Government of Upper Austria (1 project), Government of Styria, Austria (1 project), Torrent and Avalanche Control, Section Upper Austria (1 project), Austrian National Committee for Alpine Research (1 project).

Publications (April, 2018)

For details, see list attached below

- Total number of publications: 180
- Number of peer-reviewed publications: 94
- First or senior authored peer-reviewed publications: 88
- h-index (ISI Web of Science/Google scholar) 29*/37
- Citations: (ISI Web of Science/Google scholar) 2876*/4654

(*ISI WoS Core Collection does not gather all papers)

For complete publication record, see <http://www.uibk.ac.at/limno/personnel/weisse/>, <https://scholar.google.at/citations?user=06NsRhAAAAAJ&hl=en> and



<https://orcid.org/0000-0001-6103-6558>

Refereed journal papers and book chapters (April, 2019)

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| <p>101 Weithoff, G., Neumann, C., Seiferth, J. & Weisse, T. (2019). Living on the edge - reproduction, dispersal potential, maternal effects and local adaptation in aquatic, acidophilic invertebrates. <i>Aquat. Sci.</i> 81, article 40, doi.org/10.1007/s00027-019-0638-z.</p> <p>100 Wirth, C., Limberger, R. & Weisse, T. (2019). Temperature x light interaction and tolerance of high water temperature in the planktonic freshwater flagellates <i>Cryptomonas</i> (Cryptophyceae) and</p> | <p><i>Dinobryon</i> (Chrysophyceae). <i>J. Phycol.</i> 55, 404-414, doi: 10.1111/jpy.12826.</p> <p>99 Bergkemper, V., Stadler, P. & Weisse, T. (2018). Moderate weather extremes alter phytoplankton diversity- a microcosm study. <i>Freshwater Biology</i> 63, 1211-1224. DOI: 10.1111/fwb.13127.</p> <p>98 Weisse, T. & Bergkemper, V. (2018). Rapid detection and quantification of the potentially toxic cyanobacterium <i>Planktothrix rubescens</i> by in-vivo</p> |
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- fluorometry and flow cytometry. *Water Research* 138, 234-240.
- 97 Cieplinski, A., Obertegger, U. & **Weisse, T.** (2018). Life history traits and demographic parameters in the *Keratella cochlearis* (Rotifera, Monogononta) species complex. *Hydrobiologia* 811, 325-338. DOI: 10.1007/s10750-017-3499-2.
- 96 **Weisse, T.** (2017). Functional diversity of aquatic ciliates. *Eur. J. Protistol.* 61, 331-358.
- 95 Bergkemper, V., **Weisse, T.** (2017b). Do current European lake monitoring programmes reliably estimate phytoplankton community changes? *Hydrobiologia*, doi.org/10.1007/s10750-017-3426-6
- 94 Bergkemper, V., **Weisse, T.** (2017a). Phytoplankton response to the summer heat wave 2015 – a case study from prealpine Lake Mondsee, Austria. *Inland Waters* 7, 88-99.
- 93 Cieplinski, A., **Weisse, T.** & Obertegger, U. (2017). High diversity in *Keratella cochlearis* (Rotifera, Monogononta) - morphological and genetic evidence. *Hydrobiologia* 796, 145-159
- 92 Warren, A., Patterson, D.J., Dunthorn, M., Clamp, J.C., Achilles-Daye, U.E.M., Aescht, E., Al-Farraj, S.A., Al-Quraishy, S., Al-Rasheid, K., Carr, M., Day, J.G., Dellinger, M., El-Serehy, H.A., Fan, Y., Gao, F., Gao, S., Gong, J., Gupta, R. Hu, X., Kamra, K., Langlois, G., Lin, X., Lipscomb, D., Lobban, C.S., Loporini, P., Lynn, D.H., Ma, H., Macek, M., Mackenzie-Dodds, J., Makhija, S., Mansergh, R.I., Martín-Cereceda, M., McMiller, N., Montagnes, D., Nikolaeva, S., Ong'ondo, G.O., Perez-Uz, B., Purushothaman, J., Quintela-Alonso, P., Rotterová, J., Santoferrara, L., Shao, C., Shen, Z., Shi, X., Song, W., Stoeck, T., La Terza, A., Vallesi, A., Wang, M., **Weisse, T.**, Wiackowski, K., Wu, L., Xu, K., Yi, Z., Zufall, R. & Agatha, S. (2017). Beyond the "Code": A Guide to the Description and Documentation of Biodiversity in Ciliated Protists (Alveolata, Ciliophora). *J. Eukaryot. Microbiol.*, doi:10.1111/jeu.12391.
- 91 Ceriaco, L.M.P. et al (492 co-authors) (2016): Photography-based taxonomy is inadequate, unnecessary, and potentially harmful for biological sciences. *Zootaxa* 4196 (3): 435–445.
- 90 **Weisse, T.** & Sonntag, B. (2016). Ciliates in planktonic food webs: communication and adaptive response. In: Witzany, G. & Nowacki, M. (eds), *Biocommunication of ciliates*, Springer, Berlin, pp. 351-372.
- 89 **Weisse, T.**, Gröschl, B. & Kremser, V. (2016). Phytoplankton response to short-term temperature and nutrient changes. *Limnologica* 59, 78-89
- 88 Weckström, K., Weckström, J., Huber, K., Kamenik, C, Schmidt, R., Salvenmoser, W., Rieradevall, M., **Weisse, T.**, Psenner, R & Kurmayer, R. (2016). Impacts of climate warming on Alpine lake biota over the last decade. *Arctic, Antarctic, and Alpine Research* 48, 361-376.
- 87 **Weisse, T.**, Anderson, R., Arndt, H., Calbet, A., Hansen, P.J. & Montagnes, D.J.S. (2016). Functional ecology of aquatic phagotrophic protists – Concepts, limitations, and perspectives. *Eur. J. Protistol.* 55, 50–74, <http://dx.doi.org/10.1016/j.ejop.2016.03.003>.
- 86 Dunthorn, M., Lipps, J.H., Dolan, J.R., Abboud-Abi Saab, M., Aescht, E., Bachy, C., Barría de Cao, M.S., Berger, H., Bourland, W.A., Choi, J.K., Clamp, J., Doherty, M., Gao, F., Gentekaki, E., Gong, J., Hu, X., Huang, J., Kamiyama, T., Johnson, M.D., Kammerlander, B., Kim, S.Y., Kim, Y.-O., la Terza, A., Laval-Peuto, M., Lipscomb, D., Lobban, C.S. Long, H., Loporini, P., Lynn, D.H., Macek, M., Mansergh^f, R.I., Martín-Cereceda, M., McManus, G.G., Montagnes, D.J.S., Ong'ondo, G.O., Patterson, D.J., Pérez-Uz, B., Quintela-Alonso, P., Safi, L.S.L., Santoferrara, L.F. Sonntag, B., Song, W., Stoeck, T., Stoecker, D.K., Strüder-Kypke, M.C., Trautmann, I., Utz, L.R.P., Vallesi, A., Vd'ačný, P., Warren, A., **Weisse, T.**, Wickham, S.A., Yi, Z., Zhang, W. Zhan, Z., Zufall, R. & Agatha, S. (2015). Ciliates – protists with complex morphologies and ambiguous early fossil record. *Mar. Micropaleontol.* 119, 1–6.
- 85 Nevalainen, L., Luoto, T.P., Manca, M. & **Weisse, T.** (2015). A paleolimnological perspective on aquatic biodiversity in Austrian mountain lakes. *Aquat. Sci.* 77:59–69 [DOI 10.1007/s00027-014-0363-6].
- 84 **Weisse, T.** (2014). Ciliates and the Rare Biosphere – Community Ecology and Population Dynamics. *J. Eukaryot. Microbiol.* 61, 419–433.
- 83 **Weisse, T.**, Scheffel, U., Stadler, P. & Foissner, W. (2013d). Functional ecology of the ciliate *Glaucomides bromelicola*, and

- comparison with the sympatric species *Bromeliothrix metopoides*. *J. Eukaryot. Microbiol.* 60, 578-587.
- 82 **Weisse, T.**, Scheffel, U., Stadler, P. & Foissner, W. (2013c). *Bromeliothrix metopoides*, a boom and bust ciliate (Ciliophora, Colpodea) from tank bromeliads. *Eur. J. Protistol.* 49, 406-419 [doi: 10.1016/j.ejop.2013.02.001].
- 81 **Weisse, T.**, Laufenstein, N. & Weithoff, G. (2013b). Multiple environmental stressors confine the ecological niche of the rotifer *Cephalodella acidophila*. *Freshwater Biol.* 58: 1008-1015 [doi:10.1111/fwb.12104].
- 80 **Weisse, T.**, Moser, M., Scheffel, U., Stadler, P., Berendonk, T., Weithoff, G. & Berger, H. (2013a). Systematics and species-specific response to pH of *Oxytricha acidotolerans* sp. nov. and *Urosomoida* sp. (Ciliophora, Hypotricha) from acid mining lakes. *Eur. J. Protistol.* 49, 255-271, [doi: 10.1016/j.ejop.2012.08.001].
- 79 **Weisse, T.**, Berendonk, T., Kamjunke, N., Moser, M., Scheffel, U., Stadler, P. & Weithoff, G. (2011). Significant habitat effects influence protist fitness: evidence for local adaptation from acidic mining lakes. *Ecosphere* 2: art134 [doi:http://dx.doi.org/10.1890/ES11-00157.1].
- 78 Jersabek, C., Weithoff, G. & **Weisse, T.** (2011). *Cephalodella acidophila* n. sp. (Monogononta: Notommatidae), a new rotifer species from highly acidic mining lakes. *Zootaxa* 2939: 50-58.
- 77 Moser, M. & **Weisse, T.** (2011c). The most acidified Austrian lake in comparison to a neutralized mining lake. *Limnologica* 41: 303-315.
- 76 Moser, M. & **Weisse, T.** (2011b). Combined stress effect of pH and temperature narrows the niche width of flagellates in acid mining lakes. *J. Plankton Res.* 33: 1023-1032.
- 75 Moser, M. & **Weisse, T.** (2011a). The outcome of competition between the two chrysomonads *Ochromonas* sp. and *Poteroochromonas malhamensis* depends on pH. *Eur. J. Protistol.* 47: 79-85.
- 74 Weithoff, G., Moser, M.; Kamjunke, N., Gaedke, U. & **Weisse, T.** (2010): Lake morphometry strongly shapes the plankton community structure in acidic mining lakes. *Limnologica* 40: 161-166.
- 73 Moser, M., Callieri, C. & **Weisse, T.** (2009). Photosynthetic and growth response of freshwater picocyanobacteria are strain-specific and sensitive to photoacclimation. *J. Plankton Res.* 31: 349-357.
- 72 **Weisse, T.**, Boenigk, J. & Müller, H. (2009). Ecological methods for the study of heterotrophic nano- and microplankton of fresh and marine waters. In: A course in Protozoology, Röttger, R., Knight, R. & Foissner, W. (eds), *Protozool. Monographs*: 4: 232-242.
- 71 Montagnes, D.J.S., Morgan, G., Bissinger, J.E., Atkinson, D. & **Weisse, T.** (2008). Short-term temperature change may impact freshwater carbon flux: a microbial perspective. *Global Change Biology* 14: 2810-2822.
- 70 **Weisse, T.**, Strüder-Kypke, M., Berger, H. & Foissner, W. (2008). Genetic, morphological, and ecological diversity of spatially separated clones of *Meseres corlissi* Petz and Foissner, 1992 (Ciliophora, Spirotrichea). *J. Eukaryot. Microbiol.* 55: 257-270.
- 69 Gächter, E. & **Weisse, T.** (2008). Long-term acclimation of growth rates in the oligotrich freshwater ciliate *Meseres corlissi*. *Verh. Internat. Verein. Limnol.* 30: 218-222.
- 68 **Weisse, T.** (2008) Distribution and diversity of aquatic protists: an evolutionary and ecological perspective. *Biodivers. Conserv.* 17:243-259.
- 67 **Weisse, T.**, Scheffel, U., Stadler, P. & Foissner, W. (2007). Local adaptation among geographically distant clones of the cosmopolitan freshwater ciliate *Meseres corlissi*. II. Response to pH. *Aquat. Microb. Ecol.* 47: 289-297.
- 66 **Weisse, T.** (2006). Biodiversity of freshwater microorganisms - achievements, problems, and perspectives. In: GLIWICZ, Z. M., MAZURKIEWICZ-BORON, G. & ROUEN, K. (eds.): *Advances in European Freshwater Sciences*, 2005. *Pol. J. Ecol.* 54: 633-652.
- 65 **Weisse, T.** (2006) Biodiversity of aquatic protists – what can we learn from bacteria and *Daphnia*? *Endocytobiosis Cell Res.* 17: 154-163.
- 64 Gächter, E. & **Weisse, T.** (2006). Local adaptation among geographically distant clones of the cosmopolitan freshwater ciliate *Meseres corlissi*. I. Temperature response. *Aquat. Microb. Ecol.* 45: 291-300.
- 63 Foissner, W., Pichler, M., Al-Rahsheid, K. & **Weisse, T.** (2006) The unusual, Lepidosome-coated resting cyst of *Meseres corlissi* (Ciliophora: Oligotrichea): encystment and genesis and release of the lepidosomes. *Acta Protozool.* 45: 323-338.

- 62 **Weisse, T.** (2006). Freshwater ciliates as ecophysiological model organisms - lessons from *Daphnia*, major achievements, and future perspectives. *Arch. Hydrobiol.* 167:371-402.
- 61 **Weisse, T.** & Stadler, P. (2006) Effect of pH on growth, cell volume, and production of freshwater ciliates, and implications for their distribution. *Limnol. Oceanogr.* 51: 1708-1715.
- 60 Müller, H., Foissner, W. & **Weisse, T.** (2006) The role of soil in the life cycle of *Meseres corlissi* (Ciliophora: Oligotrichea): experiments with two clonal strains from the type locality, an astatic meadow pond. *Aquat. Microb. Ecol.* 42: 199-208.
- 59 **Weisse, T.** & Rammer, S. (2006). Pronounced ecophysiological clonal differences of two common freshwater ciliates, *Coleps spetai* (Prostomatida) and *Rimostrombidium lacustris* (Oligotrichida), challenge the morphospecies concept. *J. Plankton Res.* 28: 55-63.
- 58 Foissner, W., Müller, H. & **Weisse, T.** (2005). The unusual, Lepidosome-coated resting cyst of *Meseres corlissi* (Ciliophora: Oligotrichea): Light and scanning electron microscopy, cytochemistry. *Acta Protozool.* 44: 201-215.
- 57 Callieri, C., Moro, S., Crosbie, N.D. & **Weisse, T.** (2005) Strain-specific photosynthetic response of freshwater picocyanobacteria. *Verh. int. Ver. Limnol.* 29: 777-782.
- 56 **Weisse, T.** (2004). *Meseres corlissi*: a rare oligotrich ciliate adapted to warm water and temporary habitats. *Aquat. Microb. Ecol.* 37: 75-83.
- 55 **Weisse, T.** (2003). Pelagic Microbes- Protozoa and the Microbial Food Web. In: O'Sullivan, P. & Reynolds, C.S. (eds.), *The Lakes Handbook*, Vol. I, Blackwell Scientific Publ., Oxford, pp. 417-460.
- 54 Crosbie, N.D., Pöckl, M. & **Weisse, T.** (2003). Rapid establishment of clonal isolates of freshwater autotrophic picoplankton by single-cell and single-colony sorting. *J. Microbiol. Meth.* 55: 361-370.
- 53 Crosbie, N.D., Pöckl, M. & **Weisse, T.** (2003). Dispersal and phylogenetic diversity of non-marine picocyanobacteria, inferred from 16SrRNA gene and *cpcBA*-intergenic spacer sequence analyses. *Appl. Environ. Microbiol.* 69: 5716-5721.
- 52 Crosbie, N.D., Teubner, K. & **Weisse, T.** (2003). Flow-cytometric mapping provides novel insights into the seasonal and vertical distribution of freshwater autotrophic picoplankton. *Aquat. Microb. Ecol.* 33: 53-66.
- 51 Lindström, E.S., Stadler, P. & **Weisse, T.** (2003). Live sorting and survival of unstained and DAPI-stained ciliates by flow cytometry. *Arch. Hydrobiol.* 157: 173-184.
- 50 **Weisse, T.** & Mindl, B. (2002). Picocyanobacteria - sensitive bioindicators of contaminant stress in an alpine lake (Lake Traunsee, Austria). *Water, Air, and Soil Pollution: Focus* 2: 191-210
- 49 Müller, H., Stadler, P. & **Weisse, T.** (2002). Seasonal dynamics of cyst formation of strombidid ciliates in alpine Lake Mondsee, Austria. *Aquat. Microb. Ecol.* 29: 181-188.
- 48 **Weisse, T.** (2002) The significance of inter- and intraspecific variation in bacterivorous and herbivorous protists. *Antonie van Leeuwenhoek* 81: 327-341.
- 47 **Weisse, T.**, Stadler, P., Lindström, E.S., Kim-mance, S.A. & Montagnes, D.J.S. (2002). Interactive effect of temperature and food concentration on growth rate: A test case using the small freshwater ciliate *Urotricha farcta*. *Limnol. Oceanogr.* 47: 1447-1455.
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