

## INGE WERNER - PEER-REVIEWED JOURNAL PUBLICATIONS AND BOOK CHAPTERS

118. Wong J., Hitzfeld B., Zimmermann M., Werner I., Ferrari BJD (in review). Current developments in soil ecotoxicology in Europe and the need for strengthening soil ecotoxicology: Results of a stakeholder workshop. *Environmental Sciences Europe*.
117. J.B. Legradi, C. Di Paolo, M. H.S. Kraak, H.G. van der Geest, E. L. Schymanski, A. J. Williams, M.M.L. Dingemans, R. Massei, W. Brack, X. Cousin, M-L. Begout, R. van der Oost, A. Carion, V. Suarez-Ulloa, F. Silvestre, B.I. Escher, M. Engwall, G. Nilén, S.H. Keiter, D. Pollet, P. Waldmann, C. Kienle, I. Werner, A-C. Haigis, D. Knapen, L. Vergauwen, M. Spehr, W. Schulz, W. Busch, D. Leuthold, S. Scholz, C. vom Berg, N. BasuJ, C. Murphy, J., A. Lampert, J. Kuckelkorn, T. Grummt, H. Hollert (in prep.) An ecotoxicological view on neurotoxicity assessment. *Environmen. Sci. Eur.*
116. Dell'Ambrogio G, Campiche S, Wong JWY, Werner I, Ferrari BJD (in prep.). The influence of soil moisture content on feeding activity of earthworms and enchytraeids.
115. Casado-Martinez MC, Mendez-Fernandez L., Korkaric M., Wildi M., Ferrari B.J.D., Kase R., Werner I. (in prep.). Incorporation of sediment specific aspects in the Criteria for Reporting and Evaluating Ecotoxicity Data (CRED).
114. Vivien R., Apothéoz-Perret-Gentil L., Pawlowski J., Werner I., Ferrari BJD (in prep.). High throughput sequencing methods to assess aquatic oligochaete diversity and to characterize the biological quality of sediments.
113. Vivien R., Lafont M., Werner I., Laluc M., Ferrari BJD (in prep.). Oligochaete communities in surficial coarse sediments and the hyporheic system: an approach to assessing the influence of anthropogenic contaminants on the functioning of watercourses.
112. Werner I. (2018) The Swiss Ecotox Centre – bridging the gap between research and application. *Environ. Sci. Eur.* 30:15-23, <https://doi.org/10.1186/s12302-018-0147-z>
111. Korkaric M., Junghans M., Kase R., Werner I. (in prep.). Revising environmental quality standards: lessons learned.
110. Rehberger K., Scheidegger A., Werner I., Segner H. (in prep.) An in vitro assay for the detection of immunotoxicity in fish cells.
109. Bui T.-K. L., M. Carmen Casado-Martinez M.C., Tatiane C., Lara-Martin P., Do-Hong L.-C., Werner I. (in review) Ecotoxicity screening of recent sediments from Ho Chi Minh city's canals, Vietnam. *Chemosphere*
108. Vermeirssen E., Campiche S., Dietschweiler C., Werner I., Burkhardt M. (2018). Ecotoxicological assessment of immersion samples from façade render containing free or encapsulated biocides. *Environmental Toxicology and Chemistry*, DOI: 10.1002/etc.4176
107. Vivien R., Werner I., Ferrari B.J.D. (in review). Simultaneous preservation of the DNA quality, the community composition and the density of aquatic oligochaetes for the development of genetically based biological indices. *PeerJ*.
106. Kienle C., Singer H., Vermeirssen E., Stamm C., Werner I. (in prep.) Effects of Micropollutants from Wastewater Treatment Plants on Stream Ecosystems: Spatial Patterns of Ecotoxicological Bioassays in 24 Swiss Rivers.
105. Van den Brink P. J., Boxall A., Maltby L., Brooks B.W., Rudd M., Backhaus T., Spurgeon D., Verougstraete V., Ajao C., Ankley G.T., Apitz S., Arnold K., Brodin T., Cañedo-Argüelles M., Chapman J., Corrales J., Coutellec M.A., Fernandes T.F., Fick J., Ford A.T., Giménez Papiol G., Groh K., Hutchinson T., Kruger H., Kukkonen J., Loutseti S., Marshall S., Muir D., Ortiz M., Paul K., Rico A., Rodea I., Rombke J., Rydberg T., Segner H., Smit M., van Gestel K., Vighi M., Werner I., Zimmer E., van Wensem J. (2018). Towards Sustainable Environmental Quality: Priority Research Questions for Europe. *Environmental Toxicology and Chemistry*
104. Fischer S., Groh K., von Siebenthal B., Eugster M., Hennies M., Hollender J., Schirmer K., Werner I. (in prep.). Effect assessment of wastewater effluents using molecular biomarkers in resident brown trout (*Salmo trutta*).
103. Ganser B., Bundschuh M., Werner I., Homazava N., Vermeirssen E., Moschet C., Cornelia Kienle C. (in review) Impact of wastewater treatment plant effluent on *Gammarus fossarum* feeding rates and vitellogenin levels. *Ecotoxicology and Environmental Safety*

102. Werner I., Young T. (2018). Pyrethroid insecticides – exposure and impacts in the aquatic environment. In: Dominick A. DellaSala, and Michael I. Goldstein (eds.) *The Encyclopedia of the Anthropocene*, vol.[5], pp. 119-126. Elsevier, Oxford, GB. <http://dx.doi.org/10.1016/B978-0-12-409548-9.09992-9>
101. Könemann S., R. Kase, E. Simon, K. Swart, S. Buchinger, M. Schlüsener, H. Hollert, B. I. Escher, I. Werner, S. Ait-Aissa, V. Dulio, S. Valsecchi, S. Polesello, S. Schaan, P. Behnisch, B. Javurkova, O. Perceval, C. Di Paolo, H. Clayton, D.I Olbrich, S. Tavazzi, E. Sychrova, M. Gundlach, R. Schlichting, L. Leborgne, M. Clara, C. Scheffknecht, Y. Marneffe, C. Chalon, P. Tušil, P.I Soldan, B. von Danwitz, J. Schwaiger, A. Moran Palao, I. San Martín Becares, F. Bersani, E. Vermeirssen, K. Hilscherová, G. Reifferscheid, T. Ternes, M. Carere (2018). Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. *Trends in Analytical Chemistry* 102:225-235; <https://doi.org/10.1016/j.trac.2018.02.008>
100. Kase R., B. Javurkova, E. Simon, K. Swart, S. Buchinger, S. Könemann, B. I Escher, M. Carere, V. Dulio, S. Ait-Aissa, H. Hollert, S.Valsecchi, S. Polesello, P.Behnisch, C. di Paolo, D.Olbrich, S. Tavazzi, E. Sychrova, M. Gundlach, R. Schlichting, L. Leborgne, M. Clara, C. Scheffknecht, Y. Marneffe, C. Chalon, P. Tusil, P. Soldan, B. von Danwitz, J. Schwaiger, A. Moran Palao, F. Bersani, O. Perceval, C. Kienle, E. Vermeirssen, K. Hilscherova, G. Reifferscheid, I. Werner (2018). Screening and risk management solutions for steroidal estrogens in surface and wastewater. *Trends in Analytical Chemistry* 102, 343-358. DOI.org/10.1016/j.trac.2018.02.013
99. Junghans M., Ittner L.D., Werner I. (2018). Aquatic fungi: A disregarded trophic level in ecological risk assessment. *Frontiers in Environmental Science, Agroecology and Land Use Systems* 6(105). DOI.10.3389/fenvs.2018.00105.
98. Deanovic L.A., Stillway M., Hammock B.G., Fong S., Werner I. (2018). Tracking pyrethroid toxicity in surface water samples: Exposure dynamics and toxicity identification tools for laboratory tests with *Hyalella azteca* (Amphipoda). *Environmental Toxicology and Chemistry* 32(2):462-472.
97. Vivien R., Holzmann M., Werner I., Pawlowski J. Lafont M., Ferrari B.J.D. (2017) Cytochrome c oxidase barcodes for aquatic oligochaete identification: development of a Swiss reference database. *PeerJ* 5:e4122; DOI.10.7717/peerj.4122.
96. Vermeirssen E.L.M., Dietschweiler C., Werner I., Burkhardt M. (2017). Corrosion protection products as a source of bisphenol A 1 and toxicity to the aquatic environment. *Water Research* 123: 586-593.
95. Casado-Martinez M.C., Wildi M., Ferrari B:J.D., Werner I. (2017). Prioritization of substances for national ambient monitoring of sediment in Switzerland. *Environmental Science and Pollution Research* DOI 10.1007/s11356-017-9082-6.
94. Rehberger K., Werner I., Hitzfeld B., Segner H., Baumann L. (2017). 20 Years of fish immunotoxicology – what we know and where we are, *Critical Reviews in Toxicology*, DOI.10.1080/10408444.2017.128802492.
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92. Knauer K., Homazava N., Junghans M., Werner I. (2017). The influence of particles on bioavailability and toxicity of pesticides in surface water. *Integrated Environmental Assessment and Management*. DOI 10.1002/ieam.1867
91. Fong, S.; Louie, S.; Werner, I.; Davis, J.; & Connon, R. E.(2016). Contaminant Effects on California Bay-Delta Species and Human Health. *San Francisco Estuary and Watershed Science*, 14(4). [jmie\\_sfews\\_33448](http://escholarship.org/uc/item/52m780xj). <http://escholarship.org/uc/item/52m780xj>
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89. Junghans, M., S. Andres, J. Bachmann, Kase R., M. Korkaric, I. Kirst, G. Maack, C. T. Moermond, E. Smit, S. Valsecchi, J. Vanhooren, E. Verbruggen, I. Werner and P. Whitehouse (2016). Letter to the Editor. *Environmental Toxicology and Chemistry* 35(10):2392–2394.

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