**Curriculum Vitae**

 **Inge Werner, Ph.D.**

Schweizerisches Zentrum für Angewandte Ökotoxikologie

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## EDUCATION

M.Sc. Limnology, Albert-Ludwig University, Freiburg, Germany, October 1990.

Ph.D. Zoology, Johannes-Gutenberg University, Mainz, Germany, December 1995.

Postdoctoral Scholar, Laboratory Prof. D. E. Hinton, Aquatic Toxicology Program, Dept. of Anatomy, Physiology and Cell Biology, School of Veterinary Medicine, University of California, Davis, CA, 1996-1999.

**PROFESSIONAL EXPERIENCE**

Director, Swiss Centre for Applied Ecotoxicology Eawag-EPFL, Switzerland, 2010-present.

Adjunct Professor, Dept. of Anatomy, Physiology and Cell Biology, School of Veterinary Medicine, UC Davis, USA, 2009-2011.

Director, Aquatic Toxicology Laboratory, Dept. of Anatomy, Physiology and Cell Biology, School of Veterinary Medicine, UC Davis, USA, 2005-2010.

Associate Adjunct Professor, Dept. of Anatomy, Physiology and Cell Biology, School of Veterinary Medicine, UC Davis, USA, 2005-2009.

Assistant Research Scientist (Research Faculty), Dept. of Anatomy, Physiology and Cell Biology, School of Veterinary Medicine, UC Davis, USA, 1999-2005.

Graduate Research Assistant, Doctoral Research: “Stress proteins in amphipods as sublethal indicators of exposure to sediment associated contaminants.” Romberg Tiburon Center for Environmental Studies, San Francisco State University, Tiburon, CA, USA, 1992-1995.

Private Consultant, Macroinvertebrate bioassessment of streams in Southern Germany. Freiburg, Germany 1991-1992.

Graduate Research Assistant, Master’s Research: “Filtration and assimilation of natural bacterioplankton and *Isochrysis galbana* by the Asian bivalve *Potamocorbula amurensis*.” Romberg Tiburon Center for Environmental Studies, San Francisco State University, Tiburon, CA, USA, 1989 – 1990.

**OTHER PROFESSIONAL ACTIVITIES**

Scientific reviewer, Helmholtz Center for Environmental Research - UFZ Leipzig, Germany

Member, Leitungsgruppe Gewässerbeurteilung Schweiz (LGB)

External expert for the evaluation of short-listed candidates for the position of Professor / Associate Professor / Assistant Professor in Aquatic Ecotoxicology in the Urban Environment at University of Helsinki

Scientific advisor, aQuaTox-Solutions GmbH (Start-Up)

Member of the Advisory Group of the “Platform Micropollutants” of the Verband Schweizer Abwasser- und Gewässerschutzfachleute VSA, 2016-current.

Member of the Working Group Methods (AG Methoden) of the Guideline Program for Environmental Assessment (Modulstufenkonzept) of the Federal Office of the Environment, Switzerland, 2015-current

External Assessor in the recruitment of a Professor/Associate Professor/Assistant Professor in Aquatic Ecotoxicology in the Urban Environment at University of Helsinki, Finland, January 2017

Chair, Annual Meeting of Society of Environmental Toxicology and Chemistry - German Language Branch, September 7-10, 2015, Zurich, CH

Elected Participant, “SETAC Europe Horizon Scanning Workshop”, May 6-7, 2015, Barcelona, Spain (during Annual Meeting of SETAC Europe)

Invited Participant, Denkwerkstatt „Nachhaltiges Agrarsystem Schweiz - Diskussionen über innovative Zukunftsideen zur Weiterentwicklung der Agrarpolitik“ (3 days, Bern), organized by Bundesamt für Landwirtschaft (Federal Office of Agriculture), Bern, CH

Panel Member, symposium “Pesticide reduction in agriculture – What action is needed?” at ETH Zurich on 3rd September 2015, organized by HELVETAS Swiss Intercooperation, Zurich, CH

Session Chair “Aquatic Toxicology – Transcriptomics”, “Aquatic Toxicology – Mechanisms” and “Multiple Stressors”, Annual Meeting of Society of Environmental Toxicology and Chemistry - German Language Branch, September 7-10, 2015, Zurich, CH

Member, Scientific Committee, Pollutant Responses in Marine Organisms (PRIMO) 18, May 24-27, 2015, Trondheim, Norway.

Moderator, Round Table Workshop Plant Protection Products, April 4, 2014, Federal Office of Agriculture, Berne, Switzerland

Proposal Reviewer, State and Federal Contractors Water Agency, Sacramento, California, USA

Session Chair Risikobewertung und Regulatorik, Annual Meeting of Society of Environmental Toxicology and Chemistry - German Language Branch, September 7-11, 2014, Giessen, Germany

Member, Scientific Committee, Annual Meeting of Society of Environmental Toxicology and Chemistry - German Language Branch, September 7-11, 2014, Giessen, Germany

Past president, Society of Environmental Toxicology and Chemistry - German Language Branch, 2014.

Proposal reviewer, Bundesamt für Landwirtschaft, Bern, Switzerland

Science Advisor, EU-Project RADAR: Rationally Designed Aquatic Receptors integrated in label-free biosensor platforms for remote surveillance of toxins and pollutants (Project coordinated by Centre Suisse d’Electronique et de Microtechnique SA, CH-Landquart), www.fp7-radar.eu

Science Advisory Panel, Forschungsinstitut für Ökosystemanalyse und -bewertung e.V.an der RWTH Aachen, Germany, 2011-current.

Local Organising Committee, SETAC EU Annual Meeting 2014, Basel, Switzerland

Local Scientific Programme Committee, Micropol & Ecohazard 2013, Zurich, Switzerland.

Local Scientific Programme Committee, Eurotox 2013, Interlaken, Switzerland.

Scientific Committee, Annual Meeting of Society of Environmental Toxicology and Chemistry - German Language Branch, September 15-17, 2011, Landau, Germany.

Advisory Board Member, *Environmental Sciences Europe (*Springer, New York), 2011-.

Expert Panel Referee, Deutsche Forschungsgemeinschaft, Bonn, Germany, 2011.

President, Society of Environmental Toxicology and Chemistry - German Language Branch, 2013.

Member, Award Committee, Nachwuchs-Förderpreise of SETAC German Language Branch , 2011-2014.

Board of Directors, Society of Environmental Toxicology and Chemistry - German Language Branch, 2011-2012.

Expert Panel Referee, The Research Council of Norway, Oslo, 2009.

Session Chair, Calfed Science Conference, Oct. 22-24, 2008, Sacramento, CA, “Pesticides: Sources and Toxicity to Aquatic Organisms”.

National Center for Ecological Analysis and Synthesis (NCEAS) Working Group: The potential role of contaminants in the decline of pelagic organisms in the upper San Francisco Estuary, California, USA. Santa Barbara, 2008-09.

Science and Technical Advisory Team, Rush Ranch Restoration and Management Plan, Solano Land Trust, Fairfield, CA.

Kitchell and Smith Fellowship Awards Committee, Dept. of Anatomy, Physiology and Cell Biology, School of Veterinary Medicine, UC Davis, 2008-2011.

Executive Committee of the Center for Aquatic Biology and Aquaculture, UC Davis, 2008-2010.

Academic Federation Professional Development Committee, UC Davis, 2007-2010.

Chair, Ecotoxicology Area of Emphasis, Graduate Group in Ecology, UC Davis, 2008-2010.

Scientific Advisor (Action Leader: Chemical Stressors, Pyrethroid Pesticides), Delta Regional Ecosystem Restoration Implementation Plan (DRERIP), Calfed Bay-Delta Program, 2006-09.

Science Advisor,Bay Delta Conservation Plan, California Resources Agency, 2007-09.

Program Chair, 4th Biennial CALFED Science Conference, Oct 23-25, 2006, Sacramento, CA.

Co-Conference Chair, 2005 Annual Meeting of the Northern California Chapter of the Society of Environmental Toxicology and Chemistry, UC Berkeley, CA.

Conference Chair, 2004 Annual Meeting of the Northern California Chapter of the Society of Environmental Toxicology and Chemistry. UC Davis, CA.

Board of Directors, Northern California Chapter of the Society of Environmental Toxicology and Chemistry, 2003-2006.

Academic Senate International Studies and Exchanges Committee, UC Davis, 2002-2005.

Executive Committee, University of California -Toxic Substances Research and Teaching Program – Ecotoxicology Lead Campus Program, UC Davis, 2001-2003.

Technical Reviewer: National Science Foundation, U.S. EPA, Cal EPA, San Francisco Estuary Institute, Sea Grant Virginia, California State Water Resources Control Board, Maryland Sea Grant, Jeffress’ Memorial Trust, NorCal SETAC, Israel Science Foundation, US Department of Agriculture 1998-present.

Journal Reviewer: Proceedings of the National Academy of Sciences, Water Research, Chemosphere, Aquatic Toxicology, Marine Environmental Research, Environmental Science and Technology, Biochimica et Biophysica Acta, Bulletin of Environmental Contamination and Toxicology, Environmental Toxicology and Chemistry, Internat. Journal of Molecular Sciences, Environmental Science Europe, Comparative Biochemistry and Physiology, Archives of Environmental Contamination and Toxicology, Pesticide Biochemistry and Physiology, Journal of the Marine Biological Association of the United Kingdom, Chemosphere, Integrated Environmental Assessment and Management, Journal of Zhejiang University-Science B, Journal of Agricultural and Food Chemistry, Journal of Aquatic Animal Health, American Fisheries Society Books, 1996-present.

**TEACHING**

 Lecturer: Ecotoxicology I-III in *General and Environmental Toxicology*, ETH Zurich (ETHZ 529-0745-00L), autumn term, 9 h of lectures, 2015-present

Co-organizer and lecturer: Regulatory Sciences Advanced Study Programme Module 3 – Introduction to ecotoxicology & environmental risk assessment. Basel, 4-8th November, 2013.

Co-organizer and lecturer: multiple further education courses in ecotoxicology at the Swiss Centre for Applied Ecotoxicology, Dübendorf, Basel and Lausanne, Switzerland, 2010-present

Course leader and lecturer: Comparative Anatomy (Organology) of Vertebrates (APC100/NPB123); 4 units (90-100 students, upper division undergraduate level); 2005-2010.

Course Co-Leader: Preparation for PhD Qualifying Examination, PTX290 Seminar; 2008-2010

Co-Organizer and Guest Lectures:

* PTX290: Meet the Faculty (2007, 2008)
* Aquatic Toxicology (ETX 120, 2007)
* Department of Animal Sciences Seminar Series (2005)
* Undergraduate Colloquium in Marine Science (Biological Sciences 123, 2004)
* Ecology of Coldwater Fishes (Wildlife, Fish & Conservation Biology 198/298, 2004)
* John and Mary Louise Riley Seminar Series, Bodega Bay Marine Lab. (2004)
* Soil and Water Sciences/Environmental Sciences Seminar Series, UC Riverside (2004)
* Ecotoxicology Lead Campus Program winter seminar (Ecology 296, 2003)
* Special Summer Session: Problems in Ecotoxicology (Ecology 298-31, 2002)
* Aquatic Ecology in Your Neighborhood: The Sacramento-San Joaquin River Delta (Ecology 296, 1999)
* Perspectives in Aquatic Toxicology (Pharmacology and Toxicology 230, 1998).

Major Advisor: 2 M.S. students, 5 Ph.D. students, 2 Postdoctoral Scholars

Thesis Committee Member: 3 M.S. students, 6 Ph.D. students

**HONORS AND AWARDS**

Professional Development Award, Academic Federation, University of California, Davis, CA, 2005, $7,615.

Predoctoral Stipend, National German Scholarship Foundation (Studienstiftung des Deutschen Volkes), Bonn, Germany, 1993-1995.

Predoctoral Stipend, Landesgraduiertenförderung Baden-Wuerttemberg, Stuttgart, and German Academic Exchange Organization (DAAD), Bonn, Germany, 1992-1993.

Graduate Stipend, Studienstiftung des Deutschen Volkes (National German Scholarship Foundation), Bonn, Germany, 1984-1990.

Best Student Award, Technische Oberschule, Freiburg, Germany, 1984.

#### MEMBERSHIP IN PROFESSIONAL SOCIETIES

Society of Environmental Toxicology and Chemistry (SETAC) Europe

SETAC German Language Branch

Swiss Society of Toxicology

## PEER-REVIEWED JOURNAL PUBLICATIONS AND BOOK CHAPTERS

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., Backhaus T., Boxall A., Brooks B.W., Maltby L., Rudd M., 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. (in prep.). Towards Sustainable Environmental Quality: Priority Research Questions for Europe.

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 prep.) Impact of wastewater treatment plant effluent on *Gammarus fossarum* feeding rates and vitellogenin levels.

102. Vivien R., Lafont M., Werner I., Pawlowski J. Ferrari B.J.D. (submitted) Cytochrome c oxydase barcodes for aquatic oligochaete identification: development of a Swiss reference database.*PeerJ.*

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.l Olbrich, S. Tavazzi, E. Sychrova, M. Gundlach, R. Schlichting, L. Leborgne, M. Clara, C. Scheffknecht, Y. Marneffe, C. Chalon, P. Tušil, P.l Soldàn, B. von Danwitz, J. Schwaiger, A. Moran Palao, I. San Martín Becares, F. Bersani, E. Vermeirssen, K. Hilscherová, G. Reifferscheid, T. Ternes, M. Carere (submitted). Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive.*Trends in Analytical Chemistry.*

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 (submitted). Screening and risk management solutions for steroidal estrogens in surface and wastewater. *Trends in Analytical Chemistry.*

99. Junghans M., Ittner L.D., Werner I. (submitted). Aquatic fungi: A disregarded trophic level in ecological risk assessment. *Frontiers in Environmental Science, Agroecology and Land Use Systems*

98. Deanovic L.A., Stillway M., Hammock B.G., Fong S., Werner I. (in press). Tracking pyrethroid toxicity in ambient samples: Exposure dynamics and toxicity identification tools for laboratory tests with *Hyalella azteca* (Amphipoda). *Environmental Toxicology and Chemistry.*

97. 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.

96. Werner I., Young T. (2017). Pyrethroid insecticides – exposure and impacts in the aquatic environment. *Encyclopedia of the Anthropocene*, Reference Module: Earth Systems and Environmental Sciences. Elsevier Publishers. http://dx.doi.org/10.1016/B978-0-12-409548-9.09992-9

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.

93. Kunz P.Y., Simon E., Aït-Aïssa S., Creusot N., Jayasinghe B.S.,Kienle C., Maletz S., Schifferli A., Schönlau C., Denslow N.D., Hollert H., Werner I., Vermeirssen E.L.M. (2017). Effect-based tools for monitoring (xeno)estrogen mixtures in surface waters: Evaluation of five *in vitro* bioassays. *Water Research 110:378–388.*

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

90. Callinan-Hoffmann K., Deanovic L., Werner I., Stillway M., Fong S., Teh S. (2016). An analysis of lethal and sublethal interactions among type I and type II pyrethroid pesticide mixtures using standard *Hyalella azteca* water column toxicity tests. *Environmental Toxicology and Chemistry 35(10):2542–2549.*

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.*

88. Werner I.; Aldrich A.; Becker B.; Becker D.; Brinkmann M.; Burkhardt M.; Caspers N.; Campiche S.; Chèvre N.; Düring R.-A.; Escher B. I.; Fischer F.; Giebner S.; Heye K.; Hollert H.; Junghans M.; Kienle C.; Knauer K.; Korkaric M.; Maerkl V.; Muncke J.; Oehlmann J.; Reifferscheid G.; Rensch D.; Schäffer A.; Schiwy S.; Schwarz S.; Segner H.; Simon W.; Triebskorn R.; Vermeirssen E.L.M.; Wintgens T.; Zennegg M. (2016). The 2015 Annual Meeting of SETAC German Language Branch in Zurich (7-10 September, 2015): Ecotoxicology and Environmental Chemistry - from Research to Application. *Environmental Sciences Europe 28: 20. doi:10.1186/s12302-016-0088-3.*

87. Kase R., Korkaric M., Werner I., Agerstrand M. (2016). Criteria for Reporting and Evaluating ecotoxicity Data (CRED): comparison and perception of the Klimisch and CRED methods for evaluating reliability and relevance of ecotoxicity studies.*Environmental Sciences Europe 28:7, DOI 10.1186/s12302-016-0073-x.*

And Erratum: *Environmental Sciences Europe 2016, 28:11, DOI: 10.1186/s12302-016-0079-4*

86. Casado-Martinez M.C., Bebon R., Vermeirssen E.M., Werner I. (2016). The sediment-contact test using the ostracod *H. incongruens*: threshold effects of fine sediments on growth. *Chemosphere* 151:220-224.

85. Di Paolo C., Groh K., Zennegg M., Vermeirssen E.L.M., Murk A., Eggen R., Hollert H., Werner I., Schirmer K. (2015). Early life exposure to PCB126 results in delayed mortality and growth impairment in the zebrafish larvae. *Aquatic Toxicology* 169:168-178.

84. Wernersson A.-S., Carere M., Maggi C., et al. (2015). The European technical report on aquatic effect-based monitoring tools under the water framework directive. *Environmental Sciences Europe*  27: 1-11.

83. Jeffries K.M., Komoroske L.M., Truong J., Werner I., Hasenbein M., Hasenbein S., Fangue N.A., Connon R.E. (2015).The transcriptome-wide effects of exposure to a pyrethroid pesticide on the critically endangered delta smelt (*Hypomesus transpacificus*).*Endangered Species Research* 28:43-60.

82. Javidmehr A., Kass P.; Deanovic L.; Connon R.; Werner I. (2015). 10-Day Survival of *Hyalella azteca* as a function of water quality parameters. *Ecotoxicology and Environmental Safety,*115:250–256.

81. Clifford M. A., Werner I., Hedrick R. P., Bowen L., & Stott J. (2014). Potential mechanisms in the early mortality of juvenile Chinook salmon exposed concurrently to Infectious Hematopoietic Necrosis Virus (IHNV) and esfenvalerate. *California Fish and Game*, *100*(4), 616–629.

80. Carvalho R. , Arukwe A. , Ait-Aissa S., Bado-Nilles A. , Balzamo S. , Baun A. , Belkin S., Blaha L., Brion F., Conti D., Creusot N. , Essig Y., Ferrero V., Flander-Putrle V., Fürhacker M., Grillari-Voglauer R., Hogstrand C., Jonáš A., Loos R., Lundebye A.-K., Modig C., Olsson P.-E., Pillai S., Polak N., Potalivo M., Sanchez W., Schifferli A., Schirmer K., Sforzini S., Sturzenbaum S., Søfteland L., Turk V., Viarengo A., Werner I., Yagur-Kroll S., Zounková R. (2014). Mixtures of chemical pollutants at European legislation safety concentrations: how safe are they? *Toxicological Sciences* 141 (1): 218-233.

79. Escher B., Allinson M., Altenburger R., Bain P., Balaguer P., Busch W., Crago J. Humpage A., Denslow N.D., Dopp E., Hilscherova K., Kumar A., Grimaldi M., Balanapanage S.J., Jarosova B., Jia A., Makarov S., Maruya K., Medvedev A., Mehinto A., Mendez J., Poulsen A., Prochazka E., Richard J., Schifferli A., Schlenk D., Scholz S., Shiraishi F., Snyder S., Tang J., van der Burg B., van der Linden S., Werner I., Westerheide S., Wong C.K.C., Yang M., Yeung B., Zhang X., Leusch F.D.L. (2014) Benchmarking organic micropollutants in wastewater, recycled water and drinking water with *in vitro* bioassays. *Environmental Science & Technology* 48(3): 1940 - 1956.

78. Hasenbein M., Werner I.; Deanovic L.A., Geist J.; Fritsch E.B., Javidmehr A., Foe C., Fangue, N.A., Connon R.E. (2014). Transcriptomic profiling permits the identification of pollutant sources and effects in ambient water samples. *Science of the Total Environment* 468–469:688–698.

77. Homazava N., Gachet Aquillon C., Vermeirssen E., Werner I. (2014). Simultaneous multi-residue pesticide analysis in soil samples with ultra-performance liquid chromatography-tandem mass spectrometry using QuEChERS and pressurized liquid extraction methods. *International Journal of Environmental Analytical Chemistry* 94(11):1085–1099.

76. Jorgenson B.; Brown L.; Macneale K.; Schlenk D.; Scholz N. L.; Spromberg J.; Werner I.; Weston D.; Young T.; Zhang M.; Zhao Q. (2013). Predicted transport of pyrethroid insecticides from an urban landscape to surface water. *Environmental Toxicology and Chemistry* 32(1): 2469–2477.

75. Brander S.M., Connon R.E., He G. Hobbs J.A., Smalling K.L., Teh S.J., White J.W., Werner I., Denison M.S., Cherr G.N. (2013). From ‘omics to otoliths: responses of an estuarine fish to endocrine disrupting compounds across biological scales. *PLOS One* 8(9): e74251. doi:10.1371/journal.pone.0074251.

74. Linares-Casenave J., Van Eenennaam J.P., Werner I., Doroshov S.I. (2013). Temperature stress induces notochord abnormalities and hsp expression in larval green sturgeon (*Acipenser medirostris* Ayres 1854). *Journal of Applied Ichthyology* 29: 958–967.

73. Fritsch E.B., Connon R.E.,Werner I., Hudson R., Beggel S. Feng W., Pessah I.N. (2013). Triclosan impairs swimming behavior and alters expression of EC coupling proteins in fathead minnow (*Pimephales promelas). Environmental Science and Technology* 47: 2008−2017.

72. Brühl C.A., Schäfer R.B., Mittmann F. Stahlschmidt P., Bruns E., Candolfi M., Egeler P., Hollert H., Kaiser D., Mohr S., Ratte T., Schaumann G., Schlechtriem C., Stock F., Vervliet Scheebaum M., von der Ohe P.C., Weltje L., Werner I. (2012). 16th SETAC GLB (Society of Environmental Toxicology and Chemistry German Language Branch) annual meeting held under the main theme "EcoTOXICOlogy and Environmental CHEMISTRY: crossing borders" from 18th to 20th September 2011 at Landau. *Environmental Sciences Europe*  24:39.

71. Drewes J., Geist J., Hegerl G., Helmig R., Huber H., Jekel M., Keller J., Kinzelbach W., Kögel-Knabner I., Liebl W., Manhard M., Mauser W., Meckenstock R., Menzel A., Mok B., Niessner R., Rutschmann P., Schmidt T., Wegener J., Werner I., Wilderer P. (2012). Integrierter Ansatz zur Wasserforschung und Technologieentwicklung. *KA Korrespondenz Abwasser, Abfall* 59(10):907-9011.

70. Connon R.E., Geist J.P., Werner I. (2012). Effect-based tools for monitoring and predicting the ecotoxicological effects of chemicals in the aquatic environment. *Sensors*, 12: 12741-12771.

69. Werner I., Hitzfeld B. (2012). 50 years of Ecotoxicology since Silent Spring. GAIA 21(3): 217– 224.

68. Schlenk D. Lavado R. Loyo-Rosales J.E., Jones W., Werner I., Sedlak D. (2012). Reconstitution studies of pesticides and surfactants exploring the cause of estrogenic activity observed in surface waters of the San Francisco Bay Delta. *Environmental Science and Technology*  46:9106−9111.

67. Deanovic L.A., Markiewicz D., Stillway M., Fong S., Werner I. (2013). Comparing the effectiveness of chronic water column tests with *Hyalella azteca* (Order: Amphipoda) and *Ceriodaphnia dubia* (Order: Cladocera*)* in detecting toxicity of current-use insecticides. *Environmental Toxicology and Chemistry* 32(3): 707–712.

66. Kienle C., Kunz P., Vermeirssen E., Kase R., Jordi A., Schäfer A., Werner I. 2012. Hormonaktive Substanzen in Schweizer Abwasser und Gewässern. *Mitteilungen der naturforschenden Gesellschaft in Bern*, 69:37-43.

# 65. Brander S.M., Mosser C.M., Geist J.P., Hladik M.L., Werner I. (2012). Esfenvalerate toxicity to the cladoceran *Ceriodaphnia dubia* in the presence of the green algae, *Pseudokirchneriella subcapitata*. *Ecotoxicology* 21:2409–2418

# 64. Connon R.E., D'Abronzo L.S., Hostetter N.J., Evans A.F., Roby D.D., Thompson D.E., Loge F.J., and Werner I. (2012). Molecular biomarkers in environmental diagnostics: health assessments in Columbia River Steelhead (*Oncorhynchus mykiss*). *Environmental Science and Technology* 46 (11):6081–6087.

63. Beggel S, Werner I., Connon R.E., and Geist J. (2012). Impacts of the phenylpyrazole insecticide fipronil on larval fish: Time-series gene transcription responses in fathead minnow (*Pimephales promelas*) following short-term exposure. *Science of the Total Environment* 426:160–165.

# 62. Scholz N.L., Fleishman E., Brown L., Brooks M.L., Mitchelmore C., Werner I., Johnson M.L., SchlenkD. (2012). Pesticides and the decline of pelagic fishes in western North America’s largest estuarine ecosystem. *BioScience.* *62(4):428-434.*

# 61. Durieux E.D.H., Connon R.E., Werner I., D’Abronzo L.S., Fitzgerald P.S., Spearow J.L., Ostrach D.J. (2012). Cytochrome P4501A mRNA and protein induction in the striped bass (*Morone saxatilis*). *Fish Physiology and Biochemistry.*

60. Brooks, M.L., E. Fleishman, L. Brown, P. Lehman, I. Werner, M.L. Johnson, N. Scholz, C. Mitchelmore, A. Parker, D. Stoms, J. Drever, D. Dugdale, D. Schlenk, S. Teh, S. van Drunick (2011). Life Histories, Salinity Zones, and Sublethal Contributions of Contaminants to Pelagic Fish Declines Illustrated with a Case Study of San Francisco Estuary, California, USA. *Estuaries and Coasts* 35:603-621*.*

59. Connon R.E., Deanovic L.A., Fritsch E.B., D’Abronzo L.S. and Werner I. (2011). Sublethal responses to ammonia in the endangered delta smelt; *Hypomesus transpacificus* (Fam. Osmeridae). *Aquatic Toxicology* 105:369– 377.

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