

PUBLICATIONS

1. D. Schlenk and W.H. Gerwick (1986) Dilophic acid, a diterpenoid from the tropical brown seaweed (*Dilophus guineensis*). *Phytochemistry* 26: 1081-1084.
2. D. Schlenk and D.R. Buhler (1988) Cytochrome P-450 and Phase II activities in the gumboot chiton, (*Cryptochiton stelleri*). *Aquatic Toxicology* 13:167-182.
3. D. Schlenk and D.R. Buhler (1989) Determination of multiple forms of cytochrome P 450 in microsomes from the digestive gland of (*Cryptochiton stelleri*). *Biochemical and Biophysical Research Communications* 163:476-480.
4. D. Schlenk and D.R. Buhler (1989) Xenobiotic biotransformation in the Pacific oyster (*Crassostrea gigas*). *Comparative Biochemistry and Physiology* 94C:469-475.
5. D. Schlenk and D.R. Buhler (1990) Flavin-containing monooxygenase activity in the gumbot chiton (*Cryptochiton stelleri*). *Marine Biology* 104:47-50.
6. D. Schlenk and D.R. Buhler (1990) The in vitro biotransformation of 2-aminofluorene in the western oyster (*Crassostrea gigas*). *Xenobiotica* 20:563-572.
7. D. Schlenk, P. Garcia and D.R. Livingstone (1991) Studies on myeloperoxidase activity in the common mussel (*Mytilus edulis*, L.). *Comparative Biochemistry and Physiology* 99C:63-68.
8. D. Schlenk and D.R. Buhler (1991) Flavin-containing monooxygenase activity in the rainbow trout (*Onchorynchus mykiss*). *Aquatic Toxicology* 20:13-24.
9. D. Schlenk and M. Brouwer (1991) Isolation of three copper metallothionein isoforms in the blue crab (*Callinectes sapidus*). *Aquatic Toxicology* 20:25-34.
10. D. Schlenk and D.R. Buhler (1991) Role of flavin-containing monooxygenase in the in vitro biotransformation of aldicarb in the rainbow trout (*Onchorynchus mykiss*). *Xenobiotica* 21:1583-1589.
11. D. Schlenk, D. Erickson, J.J. Lech and D.R. Buhler (1992) The in vivo disposition and biotransformation of aldicarb in rainbow trout (*Onchorynchus mykiss*). *Fundamental and Applied Toxicology* 18:131-136.
12. M. Brouwer, D. Schlenk, A. Ringwood, T. Hoexum-Brouwer (1992) Metal-specific induction of metallothionein isoforms in the blue crab (*Callinectes sapidus*) in response to single and mixed-metal exposure. *Archives of Biochemistry and Biophysics* 294:461-468.
13. D. Schlenk, A.R. Ringwood, T. Brouwer-Hoexum and M. Brouwer (1993) Crustaceans as models for metal metabolism: II. Induction and characterization of metallothionein isoforms from the blue crab (*Callinectes sapidus*). *Marine Environmental Research* 35:7-11.

14. D. Schlenk and D.R. Buhler (1993) Immunological characterization of flavin-containing monooxygenases in the liver of rainbow trout (*Oncorhynchus mykiss*): sexual- and age-dependent differences, and the effect of trimethylamine on enzyme regulation. *Biochimica Biophysica. Acta* 1156:103-106.
15. D. Schlenk and M. Brouwer (1993) Induction of metallothionein mRNA in blue crabs treated with cadmium. *Comparative Biochemistry and Physiology* 104C:317-321.
16. D. Schlenk, M.J.J. Ronis, C.L. Miranda and D.R. Buhler (1993) Channel catfish liver monooxygenases: immunological characterization of constitutive cytochromes P450 and absence of active flavin-containing monooxygenases. *Biochemical Pharmacology* 45:217-221.
17. D. Schlenk (1993) A comparison of endogenous and exogenous substrates of the flavin-containing monooxygenases in aquatic organisms. *Aquatic Toxicology* 26:157-162.
18. D. Schlenk and C.T. Moore (1993) Distribution, uptake and elimination of the herbicide propanil in the channel catfish (*Ictalurus punctatus*). *Xenobiotica* 23:1017-1024.
19. D. Schlenk (1994) Effect of 2-Methylisoborneol on Cytochrome P450 expression in channel catfish (*Ictalurus punctatus*). *Aquaculture* 120:33-44.
20. U.A. Pillai, D. Schlenk, C. Frith, and P.W. Ferguson (1994) Effect of bleomycin-induced fibrosis on pulmonary metabolism of selected xenobiotics. *Journal of the Louisiana State Medical Society* 146:260-267.
21. D. Schlenk and C.T. Moore (1994) The effect of pH on the toxicity of copper sulfate to the ciliate protozoan (*Tetrahymena thermophila*). *Bulletin of Environmental Contamination and Toxicology* 53:800-804.
22. D. Schlenk, J. Bevers, A. Vertino, and C.E. Cerniglia (1994) Cytochrome P450-catalyzed S-oxidation of dibenzothiophene in the fungus (*Cunninghamella elegans*). *Xenobiotia* 24:1077-1083.
23. D. Schlenk and R.Li-Schlenk (1994) Characterization of liver flavin-containing monooxygenase of the smooth dogfish shark (*Squalus acanthus*) and partial purification of liver flavin-containing monooxygenase of the silky shark (*Carcharhinus falciformis*). *Comparative Biochemistry and Physiology* 109B:655-664.
24. D. Schlenk, M.J.J. Ronis, C. Miranda, and D. R. Buhler (1995) Effects of 2-methylisoborneol (MIB), and ethanol on the expression and activity of cytochrome P450s from the channel catfish (*Ictalurus punctatus*). *Journal of Fish Biology* 46:282-291.

25. L.D. Peters, D.R. Livingstone, S. Shehin, R.N. Hines, and D. Schlenk (1995) Characterization of hepatic flavin-containing monooxygenase from the turbot (*Scophthalmus maximus* L.). *Xenobiotica* 25:121-131.
26. Y.S. Zhang and D. Schlenk (1995) Induction and characterization of hepatic metallothionein expression from cadmium induced channel catfish (*Ictalurus punctatus*). *Environmental Toxicology and Chemistry* 14:1425-1432.
27. D. Schlenk, J. Nix and Y.S. Zhang (1995) Expression of hepatic metallothionein messenger RNA in feral and caged fish species correlates with residual mercury levels. *Ecotoxicology and Environmental Safety*. 31:282-286.
28. Rice, C.D. and D. Schlenk (1995) A comparison of immune function and P4501A activity following acute exposure to 3,3',4,4',5-pentachlorobiphenyl (PCB 126) in channel catfish (*Ictalurus punctatus*). *Journal of Aquatic Animal Health*. 7:195-204.
29. D. Schlenk (1995) Use of aquatic organisms as models to determine in the in vivo contribution of flavin-containing monooxygenases to xenobiotic biotransformation. *Molecular Marine Biology and Biotechnology* 4:323-330.
30. D. Schlenk, L. Peters, S. Shehin-Johnson, R.N. Hines, and D.R. Livingstone (1995) Differential expression and activity of flavin-containing monooxygenases in euryhaline and stenohaline flatfishes indicates potential osmoregulatory role. *Comparative Biochemistry and Physiology* 112C: 179-186.
31. E. Gallagher, P.L. Stapleton, D.H. Slone, D. Schlenk, and D.L. Eaton (1996) Channel catfish glutathione S-transferase isoenzyme activity toward *anti*-benzo[a]pyrene-*trans*-7,8-dihydrodiol-9,10-epoxide. *Aquatic Toxicology* 34:135-150.
32. D. Schlenk (1996) Role of biomarkers in ecological risk assessment. *Human and Ecological Risk Assessment* 2:251-256.
33. D. Schlenk, E.J. Perkins, W.G. Layher and Y.S. Zhang (1996) Correlating metrics of fish health with cellular indicators of stress in an Arkansas bayou. *Marine Environmental Research* 42:247-251.
34. D. Schlenk, L.D. Peters, and D. R. Livingstone (1996) Down regulation of piscine flavin-containing monooxygenase activity by decreased salinity in euryhaline flounder (*Platichthys flesus*). *Marine Environmental Research* 42:339-343.
35. D. Schlenk, E.J. Perkins, G. Hamilton, Y.S. Zhang, and W. Layher (1996) Correlation of hepatic biomarkers with whole animal and population/community metrics. *Canadian Journal of Aquatic Sciences* 53:2299-2309.
36. D. Schlenk, L.D. Peters, and D.R. Livingstone (1996) Correlation of salinity with flavin-containing monooxygenase activity but not cytochrome P450 activity in the euryhaline fish (*Platichthys flesus*). *Biochemical Pharmacology* 52:815-818.

37. E.J. Perkins, B. Griffin, K.M. Chan, and D. Schlenk (1997) Sexual differences in mortality and sublethal stress in channel catfish following a 10 week exposure to copper sulfate. *Aquatic Toxicology* 37:327-339.
38. D. Schlenk, M. Chelius, S. Khan, and K.M. Chan (1997) Characterization of hepatic metallothionein expression in channel catfish (*Ictalurus punctatus*) by reverse transcriptase polymerase chain reaction. *Biomarker* 2:161-167.
39. B.R. Griffin, M.S. Hobbs, J.L. Gollon, D. Schlenk, F.F. Kadlubar, and C.D. Brand (1997) Effect of waterborne copper sulfate exposure on copper content of liver and axial muscle of channel catfish. *Journal of Aquatic Animal Health* 9:140-147.
40. E.J. Perkins and D. Schlenk (1997) Comparisons of uptake and depuration of 2-methylisoborneol in male, female, juvenile and 3MC-induced channel catfish. *Journal of the World Aquaculture Society* 28:158-164.
41. D. Schlenk, D. Stresser, A. Nimrod, L. Arcand and W.H. Benson (1997) Influence of B-naphthoflavone and methoxychlor pretreatment on the biotransformation and estrogenic activity of methoxychlor in channel catfish (*Ictalurus punctatus*). *Toxicology and Applied Pharmacology* 145:349-356.
42. D. Schlenk, R. Pittman, L.A. Wolford, J. Steevens, and K.M. Chan (1997) Effects of arsenate, arsenite, and the herbicide, monosodium methyl arsenate on hepatic metallothionein and lipid peroxidation in channel catfish. *Comparative Biochemistry and Physiology* 118C:177-183.
43. D. Schlenk, A. Elalfy and D.R. Buhler (1997) Down regulation of hepatic flavin-containing monooxygenase activity by 17 β -estradiol in rainbow trout (*Oncorhynchus mykiss*). *Comparative Biochemistry and Physiology* 118C: 199-202.
44. D. Schlenk (1998) Invited review: Occurrence of flavin-containing monooxygenases in non-mammalian eukaryotic organisms. *Comparative Biochemistry and Physiology* 121C: 185-195.
45. D. Schlenk and C.D. Rice (1998) Effect of zinc and cadmium treatment on hydrogen peroxide-induced mortality and expression of cellular glutathione and metallothionein in a teleost hepatoma cell line. *Aquatic Toxicology* 43:121-129.
46. D. Schlenk and A. El-Afy (1998) Expression of branchial flavin-containing monooxygenase is directly correlated with salinity-induced aldicarb toxicity in the euryhaline fish (*Oryzias latipes*). *Marine Environmental Research* 46:103-106.
47. D. Schlenk, D. M. Stresser, J. Rimoldi, L. Arcand, J. McCants, A.C. Nimrod, and W.H. Benson (1998) Biotransformation and estrogenic activity of methoxychlor and its metabolites in channel catfish (*Ictalurus punctatus*) *Marine Environmental Research* 46:159-162

48. C. D. Rice, D. Schlenk, J. Ainsworth, and A. Goksoyr (1998) Cross-reactivity of monoclonal antibodies against peptide 277-294 of rainbow trout CYP1A1 with hepatic CYP1A among fish. *Marine Environmental Research* 46:87-91.
49. A. El-Alfy and D. Schlenk (1998) Potential mechanisms of the enhancement of aldicarb toxicity to Japanese medaka (*Oryzias latipes*), at high salinity. *Toxicology and Applied Pharmacology* 152:175-183.
50. D. Schlenk, J.L. Gollon, B.R. Griffin (1998) Efficacy of copper sulfate for the treatment of ichthyophthiriosis in channel catfish. *Journal of Aquatic Animal Health* 10:390-396.
51. D. Schlenk, K.B. Davis and B. Griffin (1999) Relationship between expression of metallothionein and sublethal stress in channel catfish following exposure to copper sulfate. *Aquaculture* 177:367-379.
52. E. J. Perkins and D. Schlenk (1998) Immunochemical characterization of hepatic cytochrome P450 isozymes in the channel catfish: assessment of sexual, developmental, and treatment-related effects. *Comparative Biochemistry and Physiology* 121C: 305-310.
53. E. J. Perkins, A. El-Alfy and D. Schlenk (1999) In vitro sulfoxidation of aldicarb by hepatic microsomes of channel catfish *Ictalurus punctatus*. *Toxicological Sciences* 48:67-73.
54. G.M. Dethloff, D. Schlenk, S.Khan and H. C. Bailey (1999) The effects of sublethal copper toxicity on rainbow trout (*Oncorhynchus mykiss*) in soft water. I. Blood and biochemical parameters. *Archives of Environmental Contamination and Toxicology* 36:415-423.
55. G.M. Dethloff, D. Schlenk, J.T. Hamm, and H.C. Bailey (1999) The effects of copper and copper/zinc mixtures on physiological parameters of rainbow trout (*Oncorhynchus mykiss*). *Ecotoxicology and Environmental Safety* 42: 253-264 .
56. J.A. Steevens, M. Slattery, D. Schlenk, A. Aryl, and W.H. Benson (1999) Effects of ultraviolet light and polyaromatic hydrocarbon exposure on sea urchin development and bacterial bioluminescence. *Marine Environmental Research* 48: 1-19.
57. D. Schlenk, E.J. Perkins, W.B. Hawkins (1999) Effect of ethanol, clofibric acid and temperature on the uptake and elimination of 2-methylisoborneol in channel catfish (*Ictalurus punctatus*). *Fish Physiology and Biochemistry* 21:173-178.
58. D.Schlenk (1999) Necessity of defining biomarkers for use in ecological risk assessments. *Marine Pollution Bulletin* 39:48-53.
59. B.R. Griffin, K.B. Davis, D. Schlenk (1999) Effect of simulated copper sulfate therapy on stress indicators in channel catfish. *Journal of Aquatic Animal Health* 11:231-236.

60. E J Perkins and D.Schlenk.(2000) In vivo metabolism, acetylcholinesterase inhibition, and toxicokinetics of aldicarb in channel catfish (*Ictalurus punctatus*). Toxicological Sciences 53:308-315.
61. M. McArdle, A. Elskus, A. McElroy, B. Larsen, W. Benson, and D. Schlenk. (2000) Differences of estrogenic response in two species, *Fundulus heteroclitus* and *Morone saxatilis*. Marine Environmental Research 50:175-179.
62. S. Thompson, F. Tilton, D. Schlenk, and W.H. Benson. (2000) Comparative vitellogenic response in three teleost species: Extrapolation to in situ field studies. Marine Environmental Research 50: 185-189.
63. E. Perkins, B.C. DeBusk and D.Schlenk (2000) Isolation and characterization of a novel cytochrome P450 (CYP2 family) isoform from channel catfish. Fish Physiology and Biochemistry 22:199-206.
64. D.Schlenk, W.C. Colley, A. El-Alfy, and R. Kirby (2000) Effects of the Oxidant, Potassium Permanganate, on the Expression of Gill MT mRNA and its Relationship to Sub-lethal Whole Animal Endpoints in Channel Catfish. Toxicological Sciences 54:177-182.
65. D. L. Straus, D. Schlenk, and J. E. Chambers (2000) Hepatic microsomal desulfuration and dearylation of chlorpyrifos and parathion in fingerling channel catfish: lack of effect from aroclor 1254 Aquatic Toxicology 50:141-149.
66. B.C. Debusk, S. Kumir J. Rimoldi and D.Schlenk (2000) Phase I and II enzyme and activity levels in the gumboot chiton *Cryptochiton stelleri* following exposure to a dietary bromo-phenol, lanosol. Comparative Biochemistry and Physiology 127C:133-142.
67. D. Schlenk, E.J. Perkins, and B.C. DeBusk (2000) 2-Methylisoborneol disposition in three strains of catfish: absence of biotransformation. Fish Physiology and Biochemistry 23:225-232.
68. D.B. Huggett, I.A. Khan, J.C. Allgood, D.S.Block, D. Schlenk. (2001) Organochlorine Pesticides and Metals in Select Botanical Dietary Supplements. Bulletin of Environmental Contamination and Toxicology. 66:150-155
69. A. Elalfy, S. Grisle, and D. Schlenk (2001) Characterization of Salinity-enhanced toxicity of aldicarb to Japanese medaka: sexual and developmental differences. Environmental Toxicology and Chemistry 20:2093-2098.
70. D.B.Huggett, D.Schlenk, and B.R. Griffin (2001) Bioavailability of Copper in a Oxidic Stream Sediment Receiving Aquaculture Effluent. Chemosphere 44:361-367.

71. B. Larsen and D. Schlenk (2001) Effect of Salinity on Flavin-Containing Monooxygenase expression and activity in Rainbow Trout (*Oncorhynchus mykiss*). *Journal of Comparative Physiology B* 171: 421-429.
72. F. Tilton, W. H. Benson, and D. Schlenk (2001), Elevation of serum 17- β -estradiol in channel catfish following injection of 17- β -estradiol, ethynyl estradiol, estrone, estriol and estradiol-17- β -glucuronide. *Environmental Toxicology and Pharmacology* 9:169-172
73. D. Schlenk, D. Huggett, D.B. Block, D.S., Grisle, S., Allgood, J., Bennet, E., Holder, A.W., Hovinga, R.M. Bedient, P. (2001) Toxicity of Fipronil and its Degradation Products to *Procambarus sp.*: Field and Laboratory Studies. *Archives of Environmental Contamination and Toxicology* 41: 325-332.
74. F.X. Han, J.A. Hargreaves, W.L. Kingery, D.B. Huggett, D. Schlenk (2001) Accumulation, distribution, and toxicity of copper in sediments of catfish ponds receiving periodic copper sulfate applications. *Journal of Environmental Quality* 30:912-919.
75. Beeler, A. B.; Schlenk, D.; Rimoldi, J. M. Synthesis of fipronil sulfide, an active metabolite, from the parent insecticide fipronil. *Tetrahedron Lett.* (2001), 42(32), 5371-5372.
76. J. Wang, S. Grisle, and D. Schlenk (2001) Effects of salinity on aldicarb toxicity to juvenile rainbow trout (*Oncorhynchus mykiss*) and striped bass (*Morone saxatilis x chrysops*). *Toxicological Sciences* 64:200-207.
77. I.A. Khan, J. Allgood, L.A. Walker, E.A. Abourashed, D. Schlenk, W.H. Benson (2001) Determination of heavy metals and pesticides in ginseng products. *J. AOAC Int.* 84: 936-939.
78. B. Larsen, and D. Schlenk (2002) Effect of Urea and Temperature on the Expression and Activity of Flavin-Containing Monooxygenase expression in the liver and gill of rainbow trout (*Oncorhynchus mykiss*). *Fish Physiology and Biochemistry* 25:19-29.
79. D. Schlenk, B. Furnes, X. Zhou, and B.C. Debusk (2002) Cloning and sequencing of cytochrome P450 2X1 from channel catfish (*Ictalurus punctatus*). *Marine Environmental Research* 54:391-394.
80. J. R. Todorov, A. A. Elskus, D. Schlenk, P. L. Ferguson, B. J. Brownawell, and A. E. McElroy (2002) Estrogenic Responses of Larval Sunshine Bass (*Morone saxatilis* X *M. chrysops*) Exposed to New York City Sewage Effluent. *Marine Environmental Research* 54:691-695.
81. F. Tilton, W.H. Benson, and D. Schlenk (2002) Evaluation of Estrogenic Activity from a Municipal Wastewater Treatment Plant with Predominantly Domestic Input. *Aquatic Toxicology* 61:211-224.

82. A. El-alfy, E. Bernache, and D. Schlenk (2002) Effects of salinity on the uptake and elimination of aldicarb in Japanese medaka *Aquatic Toxicology* 61:225-232.
83. D.Schlenk,, E. Sapozhnikova, J.P. Baquirian, and A.Z.Mason (2002) Utilization of biochemical and health endpoints in fish to guide analytical chemistry analyses of sediments. *Environmental Toxicology and Chemistry* 21: 2138-2145.
84. A. El-Alfy, B. Larsen, and D. Schlenk (2002) Effect of Cortisol and Urea on Flavin Monooxygenase Activity and Expression in Rainbow Trout, *Oncorhynchus mykiss*. *Marine Environmental Research* 54:275-278.
85. A. El-Alfy, and D. Schlenk (2002) Effects of 17-beta estradiol and testosterone on the expression of flavin containing monooxygenase mediated toxicity of aldicarb in Japanese medaka. *Toxicological Sciences* 68:381-388.
86. D.B.Huggett, B.W. Brooks, B. Peterson, C.M. Foran, D. Schlenk. (2002) Toxicity of Select Beta-Adrenergic Receptor Blocking Pharmaceuticals (β -Blockers) on Aquatic Organisms. *Archives of Environmental Contamination and Toxicology* 43:229-235.
87. D.B. Huggett, I.A. Khan, C.M. Foran and D. Schlenk (2003) Determination of Beta-Adrenergic Receptor Blocking Pharmaceuticals in United States Wastewater Effluent *Environmental Pollution* 121:199-205.
88. D. Schlenk, X. Zhang, C. Yeung, J. Zhang, J. Cashman, A. Rettie (2002) Role of flavin-containing monooxygenases in the sulfoxidation of aldicarb in humans. *Pesticide Biochemistry and Physiology* 73: 67-73.
89. R. Riedel, D. Schlenk, D. Frank, B. Costa-Pierce (2002) Analyses of organic and inorganic contaminants in Salton Sea fish. *Marine Pollution Bulletin* 44:403-411.
90. L. A. Roy, J. L. Armstrong , K. Sakamoto, S. Steinert , E. Perkins, D. P. Lomax , L. L. Johnson and D.Schlenk (2003) The relationships of biochemical endpoints to histopathology, and population metrics in feral flatfish species collected near the municipal outfall of Orange County,CA. *Environmental Toxicology and Chemistry* 22:1309-1317.
91. B. Furnes, J., Feng, S.,Sommer, and D. Schlenk (2003) Identification of novel variants of the flavin-containing monooxygenase gene family in African Americans. *Drug Metabolism and Disposition* 31:187-193.
92. J. R. Cashman, K. Camp, S. S. Fakharzadeh, P. V. Fennessey, R. N. Hines, O. A. Mamer, S. C. Mitchell, G. Preti, D. Schlenk, R. L. Smith, S. S. Tjoa, D. E. Williams and S. Yannicelli (2003) Biochemical and Clinical Aspects of the Human Flavin-Containing Monooxygenase Form 3 (FMO3) Related to Trimethylaminuria. *Current Drug Metabolism* 4: 151-170.

93. D. Schlenk (2003) Use of Biochemical Endpoints to determine relationships between contaminants and impaired fish health in a freshwater stream. *Human and Ecological Risk Assessment* 9:59-66.
94. Huggett, D.B., C.M. Foran, B. Brooks, J. Weston, B.P. Peterson, E.M. Marsh, D. Schlenk (2003) Comparison of In vitro and in vivo bioassays for estrogenicity in fractionated effluent from Municipal Wastewater Effluents. *Toxicological Sciences* 72:77-83.
95. J. M. Kuhajek and D. Schlenk (2003) Effects of the brominated phenol, lanosol, on cytochrome P-450 and glutathione transferase activities in *Haliotis rufescens* and *Katharina tunicata*. *Comparative Biochemistry and Physiology* 134C:473-479 .
96. V. Lattard, J. Zhang, Q., Tran, B. Furnes, D. Schlenk, J. R. Cashman (2003) Two novel polymorphisms of the FMO3 gene in Caucasians and African American populations: Comparative genetic and functional studies. *Drug Metabolism and Disposition* 31;854-860.
97. L.A. Roy, S. Steinert, S.M. Bay, D. Greenstein, Y. Sapozhnikova, O. Bawardi, I. Leifer and D. Schlenk (2003) Biochemical effects of PAH exposure in hornyhead turbot (*Pleuronichthys verticalis*) exposed to a gradient of PAH contaminated sediments collected from a natural petroleum seep in CA, USA. *Aquatic Toxicology* 65:159-169.
98. D. Schlenk, N. Zubcov, E. Zubcov (2003) Effects of salinity on the uptake, biotransformation and toxicity of dietary seleno-L-methionine to rainbow trout. *Toxicological Sciences* 75:309-313.
99. E. Zubcov, N. Boicenco D. Schlenk, L. Ungureanu, N. Zubcov, L. Biletschi, Z. Bogonin (2003) The influence of river Raut and Bic on the ecological state of the Dniester River. *Buletinul Cadaemiei de Stiinte a Moldovei. Stiinte biologice, chimice si agricole*. 1(290): 135-139.
100. E. Sapozhnikova, O. Bawardi, L. Roy, D. Schlenk, D (2004) Pesticides and PCBs in sediments and fish from the Salton Sea, California, USA. *Chemosphere* 55: 797-809.
101. K. K. Schrader, C. M. Foran, B. D. Holmes, D. K. Schlenk, N. P. D, Nanayakkara, B. T. Schaneberg (2004) Toxicological Evaluation of Two Anthraquinone-based Cyanobactericides. *North American Journal of Aquaculture* 66:119-124.
102. D. Schlenk, C. Yeung, A. Rettie (2004) Unique Stereoselective Sulfoxidation of Thioethers Indicates Novel Flavin-Containing Monooxygenase in Liver of Rainbow Trout. *Marine Environmental Research* 58:499-503.
103. B. Furnes and D. Schlenk (2004) Evaluation of Xenobiotic N- and S-oxidation by Variant Flavin-containing Monooxygenase 1 (FMO1) Enzymes. *Toxicological Sciences* 78: 196-203.

104. L. Xie, Y. Sapozhnikova, O. Bawardi, and D. Schlenk (2005) Evaluation of wetland and tertiary wastewater treatments for estrogenicity using in vivo and in vitro assays. *Archives of Environmental Contamination and Toxicology* 48: 82-87.
105. D. Schlenk, Y. Sapozhnikova, G. Cliff. (2005) Incidence of organochlorine pesticides in muscle and liver tissues of South African great white sharks *Carcharodon carcharias*. *Marine Pollution Bulletin* 50: 208-211.
106. B. Furnes and D.Schlenk (2005) Extrahepatic metabolism of carbamate and organophosphate thioether compounds by the FMO and P450 system. *Drug Metabolism and Disposition* 33: 214-218.
107. Y. Sapozhnikova, E. Zubcova, L. Ungureanu, L.Roy, D. Schlenk (2005) Evaluation of pesticides and metals in fish of the Dniester river, Moldova *Chemosphere* 60:196-205.
108. D. Vidal, S.Bay, D.Schlenk (2005) Effects of selenium accumulation on larval rainbow trout (*Oncorhynchus mykiss*). *Archives of Environmental Contamination and Toxicology* 49:71-75.
109. W. Liu, J. Gan, D. Schlenk, W. A. Jury (2005) Enantioselectivity in Environmental Safety of Current Chiral Insecticides. *Proceedings of the National Academy of Sciences* 102 : 701–706
110. C. Seruto, Y. Sapozhnikova, D.Schlenk (2005) Evaluation of the Relationships Between Biochemical Endpoints of PAH Exposure and Physiological Endpoints of Reproduction in Male California Halibut (*Paralichthys californicus*) Exposed to Sediments from a Natural Oil Seep. *Marine Environmental Research* 69:454-465.
111. Y. Sapozhnikova, E. Zubcova, L. Ungureanu, S. Hungerford, D. Schlenk (2005) Evaluation of organic and inorganic compounds in sediments of the Dniester River, Moldova . *Archives of Environmental Contamination and Toxicology* 49:439-448.
112. D. Schlenk, Y. Sapozhnikova, M.A. Irwin, L. Xie, W. Hwang, S. Reddy, B.J. Brownawell, J. Armstrong, M. Kelly, D. E. Montagne, E. P. Kolodziej, D. Sedlak, S.Snyder (2005) *In vivo* Bioassay Guided Fractionation of Marine Sediment Extracts from the Southern California Bight for Estrogenic Activity. *Environmental Toxicology and Chemistry* 24:2820-2826.
113. L. Xie, K. Thrippleton, M.A. Irwin, G. S. Siemering, A. Mekebri, D. Crane, K. Berry and D. Schlenk (2005). Evaluation of Estrogenic Activities of Aquatic Herbicides and Surfactants Using A Rainbow Trout Vitellogenin Assay. *Toxicological Sciences* 87: 391-398.

114. P.B. Bedient, R.D. Horsak, D.Schlenk, R.M. Hovinga, J.D. Pierson (2005) Environmental impact of fipronil to the Louisiana crawfish industry. *Environmental Forensics* 6: 289-299.
115. J. Garcia-Hernandez, Y.Sapozhnikova, D.Schlenk, Z. Mason, O. Hinojosa (2006) Evaluation of avian health in the Colorado River delta, Mexico. *Environmental Toxicology and Chemistry* 25:1640-1647.
116. M.A. Rempel, J. Reyes, S. Steinert, W. Hwang, J. Armstrong, K. Sakamoto, K. Kelley, and D. Schlenk (2006) Evaluation of Relationships Between Reproductive Metrics, Gender and Vitellogenin Expression in Demersal Flatfish Collected Near the Municipal Wastewater Outfall of Orange County, California, USA. *Aquatic Toxicology* 77:241-249.
117. J. Zha, Z. Wang, D. Schlenk (2006) Effects of pentachlorophenol on the reproduction of Japanese medaka (*Oryzias latipes*). *Chemico-Biological Interactions* 161:26-36
118. D. C. Hao, J. Sun, B. Furnes, D. Schlenk, M.X. Li, S. L. Yang and L. Yang (2006) Haplotype frequency distribution and linkage disequilibrium analysis of single nucleotide polymorphisms at the human FMO3 gene locus. *Biochemical Genetics* 44:391-407.
119. X. Deng, M. Carney, D. E. Hinton, S. Lyon, G. Woodside, C. N. Duong, S.-D. Kim, and D. Schlenk (2007) Biomonitoring Recycled Water in the Santa Ana River Basin in Southern California. *Journal of Toxicology and Environmental Health* 71:109-118.
120. X. Deng, M. A. Rempel, J. Armstrong, K. Sakamoto and D. Schlenk (2007) Seasonal Evaluation of Reproductive Status and Exposure to Environmental Estrogens in Hornyhead Turbot at the Municipal Wastewater Outfall of Orange County, CA. *Environmental Toxicology* 22:464-471.
121. L. Wang, W. Liu, C. Yang, Z. Pan, J. Gan, C. Xu, M. Zhao, Y. Ma, D. Schlenk (2007) Enantioselectivity in estrogenic potential and uptake of bifenthrin. *Environmental Science and Technology* 41: 6124-6128.
122. S. Raisuddin, K. W. H. Kwok, K. M. Y. Leung, D. Schlenk, J.-S. Lee (2007). The copepod *Tigriopus*: a promising marine model organism for ecotoxicology and environmental genomics. *Aquatic Toxicology* 83:161-173.
123. V.S. Gadepalli, J. M. Rimoldi, F. R. Fronczek, M. Nillos, J. Gan, X. Deng, G. Rodriguez-Fuentes, D. Schlenk (2007) Synthesis of fenthion sulfoxide and fenoxon sulfoxide enantiomers: Effect of sulfur chirality on acetylcholinesterase activity. *Chemical Research in Toxicology* 20:257-262.
124. D. C. Hao, J. Sun, B. Furnes, D. Schlenk, M.X. Li, S. L. Yang, L. Yang (2007) Allele and genotype frequencies of polymorphic FMO3 gene in two genetically distinct populations. *Cell Biochemistry and Function* 25(4):443-53.

125. D.Schlenk, G. Batley, C. King, J. Stauber, M. Adams, S. Simpson, W. Maher, J. T. Oris (2007) Effects of light on microalgae concentrations and selenium uptake in bivalves exposed to selenium amended sediments. *Archives of Environmental Contamination and Toxicology* 53:365-370.
126. O. Bawardi, J. Rimoldi, and D. Schlenk (2007) Impacts of hypersaline water on the biotransformation and toxicity of fenthion on rainbow trout (*Oncorhynchus mykiss*), Striped Bass (*Morone saxatilis* X *Morone chrysops*) and Tilapia (*Oreochromis mossambicus*). *Pesticide Biochemistry and Physiology* 88:321-327.
127. S. Mosadeghi, B. Furnes, A.Y.O. Matsuo, D. Schlenk (2007) Expression and Characterization of cytochrome P450 2X1 in channel catfish (*Ictalurus punctatus*). *Biochimica Biophysica Acta* 1770:1045-1052.
128. M. Nillos, G. Rodriguez-Fuentes, J. Gan, D. Schlenk (2007) Enantioselective Acetylcholinesterase Inhibition of the Organophosphorus Insecticides Profenofos, Fonofos and Crotoxyphos. *Environmental Toxicology and Chemistry* 26:1949-1954.
129. B.C. DeBusk, M. Slattery, Jang-Seu Ki, Jae-Seong Lee, R. Aparicio-Fabre, D.Schlenk (2008) Species differences and effects of soft coral extracts from *Sinularia maximus* on the expression of cytochrome P4501A and 2N in butterflyfishes (*Chaetodon* spp.). *Fish Physiology and Biochemistry* 34:483–492.
130. M. Coronado, H. De Haro, X. Deng, M. A. Rempel,, R. Lavado, and D. Schlenk (2008) Estrogenic activity and reproductive effects of the UV-filter oxybenzone (2-hydroxy-4-methoxyphenyl-methanone) in fish. *Aquatic Toxicology* 90:182–187.
131. G. Rodriguez-Fuentes, R. Aparicio-Fabre, Q. Li, and D. Schlenk (2008) Osmotic Regulation of a Novel Flavin-Containing Monooxygenase in Primary Cultured Cells from Rainbow Trout (*Oncorhynchus mykiss*). *Drug Metabolism and Disposition* 36:1212-1217.
132. D.Schlenk (2008) Are steroids really the cause for fish feminization? A mini-review of in vitro and in vivo guided TIEs. *Marine Pollution Bulletin* 57: 250–254.
133. D. Schlenk, (2008) Response to: Comments on "Evaluation of Estrogenic Activities of Aquatic Herbicides and Surfactants Using a Rainbow Trout Vitellogenin Assay" *Toxicological Sciences* 104:231-233.
134. M.A. Rempel, Y.Wang, J. Armstrong, D. Schlenk (2008). Uptake of estradiol from sediment by hornyhead turbot (*Pleuronichthys verticalis*) and effects on oxidative DNA damage in male gonads. *Marine Environmental Research* 66: 111-112.
135. J.-S. Lee, S. Raisuddin, D. Schlenk and (2008) *Kryptolebias marmoratus*: a potential model species for molecular carcinogenesis and ecotoxicogenomics. *Journal of Fish Biology* 72, 1871–1889.

136. A. Y.O. Matsuo, E. P. Gallagher, M. Trute, P. L. Stapleton, R. Lavado, D. Schlenk (2008) Characterization of phase I biotransformation enzymes in coho salmon (*Oncorhynchus kisutch*). *Comparative Biochemistry and Physiology* 147C:78-84.
137. G. Rodriguez Fuentes, J. Armstrong, D. Schlenk (2008) Characterization of muscle cholinesterases from two demersal flatfish collected near a municipal wastewater outfall in Southern California. *Ecotoxicology and Environmental Safety* 69: 466-471.
138. R. Lavado, J.E. Loyo-Rosales, E. Floyd, E.P. Kolodziej, S.A. Snyder, D.L. Sedlak, and D. Schlenk (2009). Site-specific profiles of estrogenic activity in agricultural areas of California's inland waters. *Environmental Science and Technology* 43: 9110-9116.
139. S. K. Krueger, M. C. Henderson, L. K. Siddens, J. E. VanDyke, A. D. Benninghoff, P. A. Karplus, B. Furnes, D. Schlenk, and D. E. Williams (2009) Characterization of Sulfoxxygenation and Structural Implications of Human Flavin-Containing Monooxygenase Isoform 2 (FMO2.1) Variants S195L and N413K. *Drug Metabolism and Disposition* 37:1785–1791.
140. K.L. Richardson, G. Gold Bouchot, D.Schlenk (2009). The characterization of cytosolic glutathione transferase from four species of sea turtles – loggerhead (*Caretta caretta*), green (*Chelonia mydas*), olive ridley (*Lepidochelys olivacea*), and hawksbill (*Eretmochelys imbricata*). *Comparative Biochemistry and Physiology* 150: 279–284.
141. M.G. Nillos, S. Qin, C. Larive, D.Schlenk and J. Gan (2009) Epimerization of Cypermethrin Stereoisomers in Alcohols. *Journal of Agricultural and Food Chemistry* 57: 6938-6943.
142. X. Yi , E. Kim, H-J. Jung, D. Schlenk, and J. Jung (2009) A toxicity monitoring study on identification and reduction of toxicants from a wastewater treatment plant. *Ecotoxicology and Environmental Safety* 72:1919–1924.
143. M. G. Nillos, K. Lin, J. Gan, S. Bondarenko, and D. Schlenk (2009) Enantioselectivity in fipronil aquatic toxicity and degradation. *Environmental Toxicology and Chemistry* 28: 1825-1833.
144. C. N. Duong, D. Schlenk, N. I. Chang, and S. D. Kim (2009) The effect of particle size on the bioavailability of estrogenic chemicals from sediments. *Chemosphere* 76:395-401.
145. G. Rodriguez-Fuentes, C. Coburn, M. Currás-Collazo, G. Guillén D. Schlenk (2009) Effect of hyperosmotic conditions on flavin-containing monooxygenase activity, protein and mRNA expression in rat kidney. *Toxicology Letters* 187:115-118.
146. M. A. Rempel, H. Hong, Y. Wang, X. Deng, J. Armstrong, J. Gully, D. Schlenk (2009) Site-specific effects of 17 β -estradiol in hornyhead turbot (*Pleuronichthys*

verticalis) collected from a wastewater outfall and reference location. Environmental Research 109: 552-558.

147. K.N. Baer, S. Mosadeghi, and D.Schlenk (2009) The effects of pulp and paper mill effluents on the immune status of juvenile largemouth bass. Drug and Chemical Toxicology 32: 59-67.

148. M. A. Rempel, B. Hester, H. DeHaro, H. Hong, Y. Wang and D. Schlenk (2009) Effects of 17 β -Estradiol, and its metabolite, 4-hydroxyestradiol on fertilization, embryo development and oxidative DNA damage in sand dollar (*Dendraster excentricus*) sperm. Science of the Total Environment 407: 2209-2215.

149. R. Lavado, J. M. Rimoldi, D. Schlenk (2009) Mechanisms of fenthion activation in rainbow trout (*Oncorhynchus mykiss*) acclimated to hypersaline environments. Toxicology and Applied Pharmacology 235:143-152.

150. M. E. Baker, B. Ruggeri, J. Sprague, C. Eckhardt, J. Lapira, I. Wick, L. Soverchia, M. Ubaldi, A. M. Polzonetti-Magni, D. Vidal-Dorsch, S. Bay, J. R. Gully, K. Kelley, D. Schlenk, E. C. Breen, R. Šášik and G. Hardiman (2009) Analysis of Endocrine Disruption in Southern California Coastal Fish using an Aquatic Multi-Species Microarray. Environmental Health Perspectives 117:223-230.

151. C.N.Duong, J.S. Ra, D. Schenk, H. K. Choi , S. D. Kim. (2010) Sorption of estrogens onto different fractions of sediment and its effect on vitellogenin expression in male Japanese medaka. Archives of Environmental Contamination and Toxicology, 59:147-156.

152. M.G. Nillos, J.Gan,, and D. Schlenk (2010) Chirality of Organophosphorus Pesticides: Analysis and Toxicity. Journal of Chromatography B 878:1277–1284.

153. K.L. Richardson, D.Schlenk (2010). Polychlorinated biphenyls and biotransformation enzymes in three species of sea turtles from the Baja California peninsula of Mexico. Archives of Environmental Contamination and Toxicology 58:183-193.

154. M.G. Nillos, S. Chajkowski, J. Rimoldi, J. Gan, R. Lavado, D.Schlenk (2010) Stereoselective biotransformation of permethrin to estrogenic metabolites in fish. Chemical Research in Toxicology 23:1568-1575.

155. R. Lavado, D.Schlenk (2011) Microsomal biotransformation of chlorpyrifos, parathion and fenthion in rainbow trout (*Oncorhynchus mykiss*) and coho salmon (*Oncorhynchus kisutch*): mechanistic insights into interspecific differences in toxicity. Aquatic Toxicology 101: 57-63.

156. K. Richardson, D.Schlenk (2011) Biotransformation of 2,2',5,5'-tetrachlorobiphenyl (PCB 52) and 3,3',4,4'-tetrachlorobiphenyl (PCB 77) by liver microsomes from four species of sea turtles. Chemical Research in Toxicology 24: 718-725.

157. R. Lavado, L. Maryoung, D.Schlenk (2011) Hypersalinity Acclimation Increases the Toxicity of the Insecticide Phorate in Coho Salmon (*Oncorhynchus kisutch*). *Environmental Science and Technology* 45: 4623-4629.
158. D. Schlenk and R. Lavado (2011) Impacts of climate change on hypersaline conditions of estuaries and xenobiotic toxicity. *Aquatic Toxicology* 105: S78-S92.
159. X. Chen, L. Li , J. Cheng, L. L. Chan, D.-Z. Wang, K.-J.Wang, M. E. Baker, G. Hardiman, D. Schlenk, S. H. Cheng (2011) Molecular staging of marine medaka: A model organism for marine ecotoxicity study. *Marine Pollution Bulletin* 63: 309-317.
160. X. Jiang, X. Li, P. K. S. Lam, S. H. Cheng, D. Schlenk, Y. Sadovy de Mitcheson, Y. Li, J. Gu, L. L. Chan (2011) Proteomic analysis of hepatic tissue of ciguatoxin (CTX) 1 contaminated coral reef fish *Cephalopholis argus* and moray eel *Gymnothorax undulates*. *Harmful Algae* 13:65-71.
161. M. L. Brooks, E. Fleishman, L. R. Brown, P. H. Lehman, I. Werner, N. Scholz, C. Mitchelmore, J. R. Lovvorn, M. L. Johnson, D. Schlenk, S. van Drunick, J. I. Drever, D. M. Stoms, A. E. Parker, and R. Dugdale (2012) 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.
162. R. Lavado, D. Shi, and D. Schlenk (2012) Effects of salinity on the toxicity and biotransformation of l-selenomethionine in Japanese medaka (*Oryzias latipes*) embryos: Mechanisms of oxidative stress. *Aquatic Toxicology* 108:18-22.
163. N. L. Scholz, E. Fleishman, L. Brown, I. Werner, M. L. Johnson, M. L. Brooks, C. L. Mitchelmore, and D. Schlenk (2012) A perspective on modern pesticides, pelagic fish declines, and unknown ecological resilience in highly managed ecosystems. *Bioscience* 62:428-434.
164. V. Lorenzi, A.C. Mehinto, N. Denslow, and D.Schlenk (2012) Effects of exposure to the B-blocker propranolol on the reproductive behavior and gene expression of the fathead minnow, *Pimephales promelas*. *Aquatic Toxicology* 116:8-15.
165. D. Bulloch, R. Lavado, K. Forsgren, S. Beni, D. Schlenk, C. Larive, (2012) Analytical and Biological Characterization of Halogenated Gemfibrozil Produced through Wastewater Chlorination. *Environmental Science and Technology* 46:5583-5589.

166. Jesus A. Reyes, Doris E. Vidal-Dorsch, Daniel Schlenk, Steven M. Bay, Jeffrey L. Armstrong, Joseph R. Gully, Curtis Cash, Michael Baker, Timothy D. Stebbins, Gary Hardiman, and Kevin M. Kelley (2012) Evaluation of reproductive endocrine status in hornyhead turbot sampled from Southern California's urbanized coastal environments. *Environmental Toxicology and Chemistry* 31:2689-2700.
167. K. L. Forsgren, X. Deng, G.-H. Lu, S. M. Bay, D. E. Vidal-Dorsch, J. Armstrong, J. R. Gully, D. Schlenk (2012) Annual and seasonal evaluation of reproductive status in hornyhead turbot at municipal wastewater outfalls in the southern California bight. *Environmental Toxicology and Chemistry* 31:2701-2710.
168. Steven M. Bay, Doris E. Vidal-Dorsch, Daniel Schlenk, Kevin M. Kelley, Keith A. Maruya, and Joseph R. Gully (2012) Integrated coastal effects study: Synthesis of findings. *Environmental Toxicology and Chemistry* 31: 2711-2722.
169. J. Finn, M.Hui, V. Li, V. Lorenzi, N. de la Paz, S. H. Cheng, L.L. Chan, D.Schlenk (2012). Effects of propranolol on heart rate and development in Japanese meaka (*Oryzias latipes*) and zebrafish (*Danio rerio*). *Aquatic Toxicology* 122-123: 214-221.
170. D. Schlenk, R. Lavado, J. Loyo-Rosales, W. Jones, L. Maryoung, N. Riar, I. Werner, and D. Sedlak (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 & Technology* 46: 9106-9111.
171. M.H. Gjernes, D.Schlenk, A. Arukwe (2012) Estrogen receptor-hijacking by dioxin-like 3,3',4,4'-pentachlorobiphenyl (PCB126) in salmon hepatocytes involves both receptor activation and receptor protein stability. *Aquatic Toxicology* 124-125:197-208.
172. R. Lavado, R. Aparicio-Fabre, and D.Schlenk (2013) Effects of salinity acclimation on the pesticide metabolizing enzyme flavin-containing monooxygenase (FMO) in rainbow trout (*Oncorhynchus mykiss*). *Comparative Biochemistry and Physiology Part C* 157:9-15.
173. J.E. Drewes, P. Anderson, N. Denslow, A. Olivieri, D.Schlenk, S.A. Snyder, and K.A. Maruya (2013) Designing monitoring programs for chemicals of emerging concern in potable reuse- what to include and what not to include? *Water Science and Technology* 67:433-439.
174. K.L. Forsgren, N. Riar, D.Schlenk (2013) The effects of the pyrethroid insecticide, bifenthrin, on steroid hormone and gonadal development of steelhead (*Oncorhynchus mykiss*) under hypersaline conditions. *General and Comparative Endocrinology* 186:101-107.

175. Edward P. Kolodziej, Shen Qu, Kristy L. Forsgren, Sarah A Long, James B. Gloer,; Gerrad D. Jones,; Daniel Schlenk, Jonas Baltrusaitis, David M. Cwiertny (2013) Identification and Environmental Implications of Photo-Transformation Products of Trenbolone Acetate Metabolites. *Environmental Science and Technology* 47:5031-5041.
176. Lian-Jun Bao, Fang Jia, Jordan Crago, Eddy Y. Zeng, Daniel Schlenk, Jay Gan (2013) Assessing Bioavailability of DDT and Metabolites in Marine Sediments Using Solid Phase Microextraction with Performance Reference Compounds. *Environmental Toxicology and Chemistry* 32:1946-1953.
177. Doris E. Vidal-Dorsch, Steven M. Bay, Cataldo Ribocco, L. James Sprague, Mila Angert, Colleen Ludka, Oliana Carnevali, Darrin J. Greenstein, Daniel Schlenk, Kevin M. Kelley, Jesus A. Reyes, Shane Snyder, Brett Vanderford, Lan C. Wiborg, Dawn Petschauer, Roman Sasik, Michael Baker, Gary Hardiman (2013) Genomic and phenotypic response of hornyhead turbot exposed to municipal wastewater effluents. *Aquatic Toxicology* 140-141:174-184.
178. Brant Jorgenson, Erica Fleishman, Kate MacNeale, Daniel Schlenk, Nathaniel Scholz, Julann Spromberg, Inge Werner, Donald A. Weston, Qingfu Xiao, Thomas Young, Minghua Zhang (2013) Predicted Transport Of Pyrethroid Insecticides From An Urban Landscape To Surface Water. *Environmental Toxicology and Chemistry* 32:2469-2477.
179. Michael E. Baker, Doris E. Vidal-Dorsch, Cataldo Ribocco, L. James Sprague, Mila Angert, Narimene Lekmine, Colleen Ludka, Andrea Martella, Eugenia Ricciardelli, Steven M. Bay, Joseph R. Gully, Kevin M. Kelley, Daniel Schlenk, Oliana Carnevali, Roman Šášík, Gary Hardiman (2013) Molecular analysis of endocrine disruption in hornyhead turbot at wastewater outfalls in southern california using a second generation multi-species microarray. *PLOS ONE* 8(9) e75553 1-16.
180. Navneet Riar, Lindley Maryoung, and Daniel Schlenk (2013) Effects of salinity acclimation on the endocrine disruption and acute Toxicity of bifenthrin in freshwater and euryhaline strains of *Oncorhynchus mykiss*. *Environmental Toxicology and Chemistry* 32: 2779-2785.
181. Keith Maruya, Paul Anderson, Nancy Denslow, Jorg Drewes, Adam Olivieri, Geoff Scott, Shane Snyder, Daniel Schlenk (2014) An Adaptive, Comprehensive Monitoring Strategy for Chemicals of Emerging Concern (CECs) in California's Aquatic Ecosystems. *Integrated Environmental Assessment and Management* 10:69-77.
182. Ramon Lavado, Roseaura Aparicio-Fabre, Daniel Schlenk (2014) Effects of salinity acclimation on the expression and activity of Phase I enzymes (CYP450 and FMOs) in coho salmon (*Oncorhynchus kisutch*). *Fish Physiology and Biochemistry* 40:267-278.
183. Doris E. Vidal-Dorsch, Steven M. Bay, Darin Greenstein, Michael Baker, Gary Hardiman, Jesus Reyes, Kevin Kelley, Dan Schlenk, (2014) Biological responses of

marine flatfish exposed to municipal wastewater effluent. *Environmental Toxicology and Chemistry* 33:583-591.

184. Beate Escher, Mayumi Allinson, Rolf Altenburger, Peter Bain, Patrick Balaguer, Wibke Busch, Jordan Crago, Andrew R. Humpage, Nancy Denslow, Elke Dopp, Klara Hilscherova, Anupama Kumar, Marina Grimaldi, B. Sumith Jayasinghe, Barbora Jarosova, Ai Jia, Sergej Makarov, Keith Maruya, Alex Medvedev, Alvina Mehinto, Jamie Mendex, Anita Poulsen, Erik Prochazka, Jessica Richard, Andrea Schifferli, Daniel Schlenk, Stefan Scholz, Fujio Shiraishi, Shane Snyder, Guanyong Su, Janet Tang, Bart Van Der Burg, Sander van der Linden, Inge Werner, Sandy Westerheide, Chris Wong, Min Yang, Bonnie Yeung, Xiaowei Zhang, Frederic Leusch (2014) Benchmarking organic micropollutants in wastewater, recycled water and drinking water with in vitro bioassays. *Environmental Science and Technology* 48:1940-1956.

185. Varenka Lorenzi, Daniel Schlenk (2014) Impacts of Combined Salinity and Temperature Extremes on Different Strains and Species of Tilapia Inhabiting the Watershed of the Salton Sea. *North American Journal of Aquaculture* 76:211-221.

186. Ramon Lavado, Jiwen Li, John Rimoldi, Daniel Schlenk (2014) Evaluation of the stereoselective biotransformation of permethrin in human liver microsomes: Contributions of cytochrome P450 monooxygenases to the formation of estrogenic metabolites. *Toxicology Letters* 226:192-197.

187. Kady Lyons, Ramon Lavado, Daniel Schlenk, Christopher G. Lowe (2014) Bioaccumulation of organochlorine contaminants and EROD activity in southern California round stingrays (*Urobatis halleri*) exposed to planar aromatic compounds. *Environmental Toxicology and Chemistry* 33:1380-1390.

188. Kristy L. Forsgren, Shen Qu, Ramon Lavado, David Cwiertny, Daniel Schlenk (2014) Trenbolone acetate metabolites promote ovarian growth and development in adult Japanese medaka (*Oryzias latipes*). *General and Comparative Endocrinology* 202:1-7.

189. Lindley A. Maryoung, Ramon Lavado, Daniel Schlenk (2014) Impacts of hypersaline acclimation on the acute toxicity of the organophosphate chlorpyrifos to salmonids. *Aquatic Toxicology* 152:284-290.

190. Allison Kupsco and Daniel Schlenk (2014) Mechanisms of selenomethionine developmental toxicity and the impacts of combined hypersaline conditions on Japanese medaka (*Oryzias latipes*). *Environmental Science and Technology* 48:7062-7068.

191. Fang Jia, Lian-Jun Bao, Jordan Crago, Daniel Schlenk, Jay Gan (2014) Use of Isotope Dilution Method (IDM) to Predict Bioavailability of Organic Pollutants in Historically Contaminated Sediments. *Environmental Science and Technology* 48:7966-7973.

192. David M. Cwiertny, Shane A. Snyder, Daniel Schlenk, and Edward P. Kolodziej (2014) Environmental Designer Drugs: When Transformation May Not Eliminate Risk. *Environmental Science and Technology* 48: 11737-11745.
193. Woo-Keun Kim, Sung-Kyu Lee, June-Woo Park, Kyung ho Choi, Jordan Crago, Daniel Schlenk, Jinho Jung (2014) Integration of multi-level biomarker responses to cadmium and benzo[k]fluoranthene in the pale chub (*Zacco platypus*). *Ecotoxicology and Environmental Safety* 110:121-128.
194. Jordan Crago, Kelly Tran, Anthony Budicin, Benjamin Schreiber, Ramon Lavado, Daniel Schlenk (2014) Exploring the impacts of two separate mixtures of pesticide and surfactants on estrogenic activity in male Fathead minnows and rainbow trout. *Archives of Environmental Contamination and Toxicology* 68: 362-370.
195. Michael E. Baker, L. James Sprague, Cataldo Ribecco, Barbara Ruggeri, Narimene Lekmine, Colleen Ludka, Ivan Wick, Laura Soverchia, Massimo Ubaldi, Roman Šášík, Daniel Schlenk, Kevin M. Kelley, Jesus A. Reyes and Gary Hardiman (2014) Application of a targeted endocrine q-PCR panel to monitor the effects of pollution in southern California flatfish. *Endocrine Disruptors*, 2:1, e969598, DOI: 10.4161/23273739.2014.969598.
196. Daryl Bulloch, Eric Nelson, Steve Carr, Chris Wissman, Jeff Armstrong, Daniel Schlenk, and Cynthia Larive (2015) Occurrence of halogenated transformation products of selected pharmaceuticals and personal care products in secondary and tertiary treated wastewaters from Southern California. *Environmental Science and Technology* 49:2044-2051.
197. Donald P. Weston, Daniel Schlenk, Navneet Riar, Michael J. Lydy, Marjorie L. Brooks (2015) Effects of pyrethroid insecticides in urban runoff on Chinook salmon, steelhead trout, and their invertebrate prey. *Environmental Toxicology and Chemistry* 34:649-657.
198. Lindley A. Maryoung, Brian Blunt, Keith B. Tierney, and Daniel Schlenk (2015) Sublethal toxicity of chlorpyrifos to salmonid olfaction after hypersaline acclimation. *Aquatic Toxicology* 161:94-101.
199. Daniel Schlenk and David E. Williams (2015) In Memorium: Donald Raymond Buhler (1925-2014) *Aquatic Toxicology* 162:A1-A2.
200. Andréia Arantes Felício, Thiago Estevam Martins Parente, Lucilene Regina Maschio, Lílian Nogueira, Larissa Paola Rodrigues Venancio, Mauro de Freitas Rebelo, Daniel Schlenk, Eduardo Alves de Almeida (2015) Biochemical responses, morphometric changes, genotoxic effects and CYP1A expression in the armored cat fish *Pterygoplichthys anisitsi* after 15 days of exposure to mineral diesel and biodiesel. *Ecotoxicology and Environmental Safety* 115:26-32.

201. Jordan Crago and Daniel Schlenk (2015) The effect of bifenthrin on the dopaminergic pathway in juvenile rainbow trout (*Oncorhynchus mykiss*). *Aquatic Toxicology* 162:66-72.
202. Gabriela Rodríguez-Fuentes, Fernando J. Rubio-Escalante, Elsa Noreña-Barroso, Karla S. Escalante-Herrera, Daniel Schlenk (2015) Impacts of oxidative stress on acetylcholinesterase transcription, and activity in embryos of zebrafish (*Danio rerio*) following chlorpyrifos exposure. *Comparative Biochemistry Physiology* 172-173:19-25.
203. Thiago Scremin Boscolo Pereira, Camila Nomura Pereira Boscolo, Danilo Grünig Humberto da Silva, Sergio Ricardo Batlouni, Daniel Schlenk, Eduardo Alves de Almeida (2015) Anti-androgenic activities of diuron and its metabolites in male Nile tilapia (*Oreochromis niloticus*). *Aquatic Toxicology* 164:10–15.
204. Alvine C. Mehinto, Ai Jia, Shane A. Snyder, B. Sumith Jayasinghe, Nancy D. Denslow, Jordan Crago, Daniel Schlenk, Christopher Menzie, Sandy D. Westerheide, Frederic D.L. Leusch, Keith A. Maruya (2015) Interlaboratory comparison of *in vitro* bioassays for screening of endocrine active chemicals in recycled water. *Water Research* 83:303-309.
205. Lindley A. Maryoung, Ramon Lavado, Theo K. Bammler, Evan P. Gallagher, Patricia L. Stapleton, Richard P. Beyer, Federico M. Farin, Gary Hardiman, Daniel Schlenk (2015) Differential Gene Expression in Liver, Gill, and Olfactory Rosettes of Coho Salmon (*Oncorhynchus kisutch*) After Acclimation to Salinity. *Marine Biotechnology* 17:703-717.
206. Varenka Lorenzi, Ree Choe, Daniel Schlenk (2016) Effects of environmental exposure to diazepam on the reproductive behavior of fathead minnow, *Pimephales promelas*. *Environmental Toxicology* 31: 561–568.
207. Keith A. Maruya, Nathan G. Dodder, Alvine C. Mehinto, Nancy D. Denslow, Daniel Schlenk, Shane A. Snyder and Stephen B. Weisberg (2016) A tiered, integrated biological and chemical monitoring framework for contaminants of emerging concern (CECs) in aquatic ecosystems. *Integrated Environmental Assessment and Management* 12(3), 540-547.
208. Aileen Maldonado, Amber Johnson, Deborah Gochfeld, Marc Slattery, Gary K. Ostrander, Jon-Paul Bingham, Daniel Schlenk (2016) Hard Coral (*Porites lobata*) extracts and homarine on Cytochrome P450 expression in Hawaiian butterflyfishes with different feeding strategies. *Comparative Biochemistry and Physiology* 179:57-63.
209. Geoffrey Ivan Scott, Dwayne E. Porter, G. Tom Chandler, R. Sean Norman, C. Hart Scott, Miguel Ignacio Uyaguari-Diaz, Keith Maruya, Steve B. Weisberg, Michael H. Fulton, Ed F. Wirth, Janet Moore, Paul L. Pennington, Daniel Schlenk, George P. Cobb, Nancy D. Denslow (2016) Antibiotics as CECs: An Overview of the Hazards Posed by Antibiotics and Antibiotic Resistance. *Frontiers in Marine Science* 3:24.

doi: 10.3389/fmars.2016.00024.

210. Allison Kupsco Daniel Schlenk (2016) Stage susceptibility of Japanese medaka (*Oryzias latipes*) to selenomethionine and hypersaline developmental toxicity. *Environmental Toxicology and Chemistry* 35:1247-1256.

211. Jordan Crago, Cindy Bui, Sanji Grewal, Daniel Schlenk (2016) Age-Dependent Effects in Fathead Minnows from the anti-diabetic drug Metformin. *General and Comparative Endocrinology* 232: 185-90.

212. Thiago Scremin Boscolo Pereira, Camila Nomura Pereira Boscolo, Andreia Arantes Felício, Sergio Ricardo Batlouni, Daniel Schlenk, Eduardo Alves de Almeida (2016) Estrogenic activities of diuron metabolites in female Nile tilapia (*Oreochromis niloticus*). *Chemosphere* 146:497-502.

213. Shirin Mesbah Oskul, Graciél Diamante, Chunyang, Liao, Wei, Shi, Jay Gan, Daniel Schlenk, William H. Grover (2016) Assessing and reducing the toxicity of 3-D printed parts. *Environmental Science and Technology Letters* 3:1-6.

214. Augustine Arukwe, Jan Myburgh, Håkon A. Langberg, Aina O. Adeogun, Idunn Godal Braa, Monika Moeder, Daniel Schlenk, Jordan Paul Crago, Francesco Regoli, Christo Botha (2016) Developmental alterations and endocrine-disruptive responses in farmed Nile crocodiles (*Crocodylus niloticus*) exposed to contaminants from the Crocodile River, South Africa. *Aquatic Toxicology* 173: 83-93.

215. Jordan Crago, Elvis Genbo Xu, Allison Kupsco, Fang Jia, Alvine C. Mehinto, Wenjian Lao, Keith A. Maruya, Jay Gan and Daniel Schlenk (2016). Trophic transfer and effects of DDT in male hornyhead turbot (*Pleuronichthys verticalis*) from Palos Verdes Superfund site, CA (USA) and comparisons to field monitoring. *Environmental Pollution* 213:940-948.

216. Elvis Genbo Xu, Cindy Bui, Cassandra Lamerdin, Daniel Schlenk (2016). Spatial and temporal assessment of environmental contaminants in water, sediments and fish of the Salton Sea and its two primary tributaries, California, USA, from 2002-2012. *Science of the Total Environment* 559:130–140.

217. Aileen Maldonado, Ramon Lavado, Sean Knuston, Marc Slattery, Sridevi Ankisetty, Jared V Goldstone, Kayo Watanabe, Eunha Hoh, Rama S Gadepalli, John M. Rimoldi, Gary K. Ostrander, Daniel Schlenk (2016) Biochemical Mechanisms for Geographical Adaptations to Novel Toxin Exposures in Butterflyfish. *PLOS one* Volume: 11 Issue: 5: e0154208.

218. Elvis Genbo Xu, Edward M. Mager, Martin Grosell, Christina Pasparakis, Lela S. Schlenker, John D. Stieglitz, Daniel Benetti, E.Starr Hazard, Sean M. Courtney, Graciél Diamante, Juliane Freitas, Gary Hardiman, Daniel Schlenk (2016) Time- and oil-dependent transcriptomic and physiological responses to *Deepwater Horizon* oil in mahi-

mahi (*Coryphaena hippurus*) embryos and larvae. Environmental Science and Technology 50: 7842-7851.

219. Allison Kupsco, Daniel Schlenk (2016) Molecular Mechanisms of Selenium-Induced Spinal Deformities in Fish. Aquatic Toxicology 179:143-150.

220. Susanne M. Brander, Molly K. Gabler, Nicholas L. Fowler, Richard E. Connon, and Daniel Schlenk (2016) Pyrethroid pesticides as endocrine disruptors: Molecular mechanisms in vertebrates with a focus on fishes. Environmental Science and Technology 50:8977-8992.

221. Andréia A. Felício, Jordan Crago, Lindley A. Maryoung, Eduardo A. Almeida, Daniel Schlenk (2016). Effects of alkylphenols on the biotransformation of diuron and enzymes involved in the synthesis and clearance of sex steroids in juvenile male tilapia (*Oreochromus mossambica*). Aquatic Toxicology 180:345-352.

222. Juliane, Freitas, Allison Kupsco, Graciél Diamante, Andreia Felicio, Eduardo Alves de Almeida, Daniel Schlenk (2016) Influence of temperature on the thyroidogenic effects of Diuron and its metabolite 3,4-DCA in tadpoles of the American bullfrog (*Lithobates catesbeianus*). Environmental Science and Technology 50:13095-13104.

223. Allison Kupsco, Daniel Schlenk (2017) Developmental Expression and Regulation of Flavin-containing monooxygenase by the Unfolded Protein Response in Japanese Medaka (*Oryzias latipes*). Comparative Biochemistry and Physiology C. 191:7-13.

224. Allison Kupsco, Daniel Schlenk (2017) Comparative developmental toxicity of desalination brine and sulfate-dominated saltwater in a euryhaline fish. Archives of Environmental Contamination and Toxicology 72:294-302.

225. Elvis Genbo Xu, Edward M. Mager, Martin Grosell, E. Starr Hazard, Gary Hardiman, Daniel Schlenk (2017) Novel transcriptome assembly and comparative toxicity pathway analysis in mahi-mahi (*Coryphaena hippurus*) embryos and larvae exposed to Deepwater Horizon oil. Scientific Reports | 7:44546 | DOI: 10.1038/srep44546

226. Chunyang Liao, Allison Taylor, William F. Kenny, Daniel Schlenk, Jay Gan (2017) Historical Record and Fluxes of DDTs at the Palos Verdes Shelf Superfund Site, California. Science of the Total Environment 581-582: 697-704.

227. Gabrielle do Amaral e Silva Müller; Daína de Lima; Flávia Lucena Zacchi; Rômi Sharon Piazza; Karim Hahn Lüchmann; Jacó Joaquim Mattos; Daniel Schlenk; Afonso Celso Dias Bainy (2017) Analysis of transcriptional responses of normalizing genes on *Crassostrea brasiliiana* under different experimental conditions. Environmental Toxicology and Chemistry 36:2190-2198.

228. Graciél Diamante; Norma Menjivar-Cervantes; Man S Leung; David Volz; Daniel Schlenk (2017) Evaluation of G protein-coupled estrogen receptor (GPER) to 17 β -

estradiol-induced developmental toxicity in zebrafish *Aquatic Toxicology* 186 (2017) 180–187.

229. Shirin Mesbah Oskui, Heran C. Bhakta, Graciela Diamante, Huinan Liu, Daniel Schlenk, and William H. Grover (2017) Measuring the Mass, Volume, and Density of Microgram-Sized Objects in Fluid. *PLOS ONE* 12(4) e0174068.

230. Nicholas C. Pflug, Allison Kupsco, Edward P. Kolodziej Daniel Schlenk; Lynn M. Teesch, James B. Gloer, David M. Cwiertny (2017) Formation of bioactive transformation products during glucocorticoid chlorination. *Water Research & Technology* 3(3): 450-461.

231. Scott Coffin, Jay Gan and Daniel Schlenk (2017) Comparisons of field and laboratory estimates of risk of DDTs from contaminated sediments to humans that consume fish in Palos Verdes, California, USA. *Science of the Total Environment* 601-602, 1139-1146.

232. Graciela Diamante, Gabrielle do Amaral e Silva Müller, Norma Menjivar-Cervantes, Genbo Xu, David C. Volz, Afonso Celso Dias Bairy and Daniel Schlenk (2017) Regioselective developmental toxicity of hydroxylated chrysenes in zebrafish embryos. *Aquatic Toxicology* 189:77–86.

233. Qiuguo Fu, Jianbo Zhang, Dan Borchardt, Daniel Schlenk, and Jay Gan (2017). Direct conjugation of emerging contaminants in *Arabidopsis*: Indication for an overlooked risk in plants? *Environmental Science and Technology* 51:6071-6081.

234. Elvis Genbo Xu, Edward M. Mager, John Steiglitz, Martin Grosell, E. Starr Hazard, Gary Hardiman, Daniel Schlenk (2017) Developmental transcriptomic analyses for mechanistic insights into critical pathways involved in embryogenesis of pelagic mahi-mahi (*Coryphaena hippurus*). *PLOS one* 12(7): e0180454 .

235. Elvis Genbo Xu, Alex J. Khursigara, Jason Magnuson, E. Starr Hazard, Gary Hardiman, Andrew J. Esbaugh, Aaron. P. Roberts, Daniel Schlenk (2017). Larval red drum (*Sciaenops ocellatus*) sublethal exposure to weathered Deepwater Horizon crude oil: Developmental and transcriptomic consequences. *Environmental Science and Technology* (in press).

236. Edmond Sanganyado, Zhijiang Lu^a, Qiuguo Fu, Daniel Schlenk, Jay Gan (2017) Chiral Pharmaceuticals: A Review on Their Environmental Occurrence and Fate Processes. *Water Research* 124:527-542.

237. Luísa Becker Bertotto, Jaben Richards, Jay Gan, David Christopher Volz and Daniel Schlenk (2017) Effects of Bifenthrin Exposure on the Estrogenic and Dopaminergic Pathways in Zebrafish Embryos and Juveniles. *Environmental Toxicology and Chemistry* (in press).

BOOK CHAPTERS

1. D. Schlenk (1990) Dimethylaminoethanol. In: *Ethel Browning's Toxicity and Metabolism of Industrial Solvents; Nitrogen and Phosphorus Solvents* (D. R. Buhler and D. J. Reed, editors). Second edition; Elsevier, New York Vol 2 pp 417-421.
2. D. Schlenk (2001) Mechanisms of Cellular Injury. In: *Target Organ Toxicity in Marine and Freshwater Teleosts* (D.Schlenk, and W.H. Benson editors) Volume II Taylor and Francis Publishers, Washington DC 1-25.
3. D. Schlenk and R. Di Giulio (2002) Biochemical responses as indicators of aquatic ecosystem health. In *Biological Indicators of Aquatic Ecosystem Stress* (S.M. Adams editor) American Fisheries Society: Bethesda, MD pp 13-42.
4. D. Schlenk (2005) Biotransformation of Pesticides IN: *Biochemical and Molecular Biology of Fishes Vol. 6 - Environmental Toxicology - volume* (editors T.W. Moon and T.P. Mommsen) Elsevier, New York pp171-190.
5. Y. Sapozhnikova, A. Mcelroy, S. Snyder and D. Schlenk (2005) Estrogenic activity measurement in wastewater using in vitro and in vivo methods In: *Techniques of Aquatic Toxicology* Lewis Publishers; Boca Raton, FL. pp465-478.
6. D. Eaton, E. Gallagher, M. Hooper, D. Schlenk, P.Schmeider, C. Thompson (2007) Species differences in response to toxic substances: Shared Pathways of Toxicity; Value and limitations of omics technologies to elucidate mechanism / mode of action. In: *Emerging Molecular and Computational Approaches for Cross-Species Extrapolations* (W.H. Benson, R.T. Di Giulio Eds) Society of Environmental Toxicology and Chemistry (SETAC) Press: Pensacola, FL pp. 77-101.
7. D. Schlenk, W.H. Benson, S. Steinert, R.Handy and M.Depledge (2008) Biomarkers In: *The Toxicology of Fishes* (R. Di Giulio and D. Hinton editors). Taylor and Francis Publishers, Washington DC pp 683-731.
8. D.Schlenk, M. Celander, E. Gallagher, S.George, M.James, S. Kullman, P. van den Hurk, K. Willett (2008) Biotransformation in Fishes In: *The Toxicology of Fishes* (R. Di Giulio and D. Hinton editors). Taylor and Francis Publishers, Washington DC pp 153-234.
9. M.G.Nillos, J. Gan, D. Schlenk (2008) Chemical Analysis and Enantioselective Toxicity of Pyrethroids. In: *Synthetic Pyrethroids: Occurrence and Behavior in Aquatic Environments*. (J.Gan, F. Spurlock, P. Hendley, D. Weston editors). ACS Symposium Series 991. American Chemical Society, Washington DC pp 400-414.
10. M.A. Rempel D.Schlenk (2008) Effects of Environmental Estrogens and Antiandrogens on Endocrine Function, Gene Regulation, and Health in Fish. IN: *International Review of Cell and Molecular Biology* (Kwang Jeon ed) Elsevier: Amsterdam 267 pp251-296.

11. M.G. Nillos, J. Gan, D.Schlenk (2010) Effects of Chirality on Toxicity In: *General and Applied Toxicology*, 3rd edition.(B Ballantyne, T C Marrs, T Syversen Editors) London: MacMillan Volume 2: p 621-641.

12. D. Bulloch, R. Lavado, D.Schlenk (2010) Bioassay guided Fractionation (Toxicity Identification and Evaluation) for the determination of estrogenic agents in environmental samples. In *Emerging Contaminants: Pharmaceuticals, Personal Care Products and Organohalogenes* (R. Halden editor). ACS Symposium Series 1048. American Chemical Society, Washington DC pp 519-537.

13. A. Kupsco and Daniel Schlenk (2015) Oxidative stress, unfolded protein response and apoptosis in developmental toxicity. IN: *International Review of Cell and Molecular Biology* (Kwang Jeon ed) Elsevier: Amsterdam 317 pp1-66.

PEER-REVIEWED REPORTS

1. W.H. Benson, D. Schlenk, F. Tilton, T.W. Schultz and A.C. Layton (2000) Assessment of environmental estrogens in wastewater: potential for developmental and reproductive toxicity in fish. US Department of the Interior # GR-02679-17

2. D. Schlenk (2001) An ecological risk assessment of copper sulfate use in aquaculture. USDA/ARS.

3. D.Schlenk, D. Hinton, G. Woodside (2006) Online Methods For Evaluating The Safety Of Reclaimed Water. Water Environment Research Foundation 01-HHE-4A.

4. S. Snyder, C. Lue-Hing, J. Coruvo, J.E. Drewes, A. Eaton, R.C. Pleus, D.Schlenk (2010) Pharmaceuticals in the Water Environment. National Association of Clean Water Agencies/Association of Metropolitan Water Agencies.

5. Anderson, P. Denslow, N., Drewes, J.E.(Chair), Olivieri, A., Schlenk, D. and Snyder, S. (2010) Monitoring Strategies for Chemicals of Emerging Concern (CECs) in Recycled Water : Recommendations of a Science Advisory Panel. State Water Resources Control Board. 220pp.

6. Anderson, P. Denslow, N., Drewes, J.E., Olivieri, A., Schlenk, D (Chair). and Snyder, S. (2012) Monitoring Strategies for Chemicals of Emerging Concern (CECs) in California's Aquatic Ecosystems: Recommendations of a Science Advisory Panel. State Water Resources Control Board. 214pp

EDITED BOOKS

1. D. Schlenk and W.H. Benson (2001) *Target Organ Toxicity in Marine and Freshwater Teleosts* Volume 1. Taylor and Francis Publishers, Washington DC.

2. D. Schlenk and W.H. Benson (2001) *Target Organ Toxicity in Marine and Freshwater Teleosts* Volume 2. Taylor and Francis Publishers, Washington DC.

EDITORIALS

1. M. Nikinmaa, D. Schlenk (2006) Editorial. *Aquatic Toxicology* 80: 205-206.
2. M. Nikinmaa, D. Schlenk, (2008) Call for Papers for Special Issues of *Aquatic Toxicology*. *Aquatic Toxicology* 88: 153.
3. M. Nikinmaa, D. Schlenk, (2009) Editorial. *Amphibian Toxicology* *Aquatic Toxicology* 91: 101.
4. M. Nikinmaa, D. Schlenk (2009) Editorial *Aquatic Toxicology* 92: 113.
5. D. Schlenk and M. Nikinmaa (2009) Preface Zebrafish Issue. *Aquatic Toxicology* 95: 257.
6. M. Nikinmaa and D. Schlenk (2010) Editorial: Use of phrases. *Aquatic Toxicology* 97: 1-2.
7. M. Nikinmaa and D. Schlenk (2010) Editorial: Genomics in *Aquatic Toxicology* 97: 173.
8. D. Schlenk and M. Nikinmaa (2010) Preface for Nanomaterials in *Aquatic Toxicology* 100:139.
9. M. Nikinmaa, M. Celander, D. Schlenk (2011) Preface for Jubilee Issue: *Aquatic Toxicology* 30 years. 105: 1-2.
10. D. Schlenk, A.Z. Mason, K. Kelley (2012) PRIMO16. *Aquatic Toxicology* 108:1.
11. William Arnold, Bruce E. Logan, Daniel Schlenk, Staci Simonich (2016) The best of the best of 2016 *Environmental Science & Technology Letters* (2017), 4(4), 125-126.
12. D. Schlenk (2017) Brine Discharge: One size doesn't fit all. *Environmental Science & Technology Letters* 4(7), 256-257.