

Curriculum Vitae (Publications Only)

of

Scott D. Dyer

through January 2019

HOME ADDRESS

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BUSINESS ADDRESS

LeTourneau University
Department of Biology
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Longview, TX 75602
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EDUCATION

B.S. Biology, Iowa State University 1984
M.S. Toxicology, Iowa State University, 1986
Ph.D. Biology, University of North Texas, 1991

RESEARCH INTERESTS

Multiple stressors, chemical mixture assessment, laboratory to field assessment, structure-activity relationships; mechanisms of exposure and toxicity; sediment toxicity, methods and evaluation; risk and hazard assessment; geographical information systems; biomarkers; mode of action of xenobiotics; toxicokinetics; factors that modify toxicity; biomonitoring, water risk assessment

CURRENT POSITION

Assistant Professor

POSITIONS HELD

LeTourneau University, Department of Biology
Longview, TX, Assistant Professor July 2018 to present

Waterborne Environmental, Inc.
Senior Scientific Advisor July 2019

The Procter & Gamble Company May 1991 to July 2018
Cincinnati, Ohio, Principal Scientist

University of North Texas, Denton, Texas,
Research Assistant, January 1987 to May 1991
Department of Biological Sciences

Iowa State University, Ames, Iowa, Teaching Assistant in
Toxicological Methods, Toxicology Program, Fall 1986

Iowa State University, Ames, Iowa, Teaching Assistant in Pest-
Management, Insect Morphology, and Insecticide Toxicology,
Department of Entomology, 1984-1986

SERVICE

Board of Directors, Water Environment Research Foundation,
Water Environment & ReUse Foundation, One Water Foundation
2013-Present

Chair, Environmental Safety Subcommittee, Personal Care
Products Council
2015 – July 2018

Member, Environmental Ingredients Issues Committee, Cosmetics
Europe
2015 – July 2018

Member, Microplastics Task Force, European Chemical Industry
Council (CEFIC)
2017 – July 2018

Board of Directors, Confluence
(Cincinnati Water Technology Innovation Cluster)
2013 – 2015

Keynote speaker for National Clean Water Associations workshop
Greenville, SC May, 2015

Organizing Committee for SETAC Workshop “Simplifying
Environmental Mixtures – An Aquatic Exposure-based

Approach via Exposure Scenarios Pellston-Style SETAC
Workshop, 23-27 March 2015

Keynote Speaker Water 2.0. Industrial Internet Conference,
Cincinnati, Ohio Oct, 2014

Water Environment Research Foundation (WERF) Trace Organics
Program IAT 2008- Present

Featured Speaker at European Centre for Ecotoxicology and
Toxicology of Chemicals (ECETOC) Workshop on Combined
Exposure to Chemicals, Berlin, Germany July 2011

Featured Speaker at 3rd SETAC Europe Special Science
Symposium Prospective and Retrospective Environmental Risk
Assessment of Mixtures: Moving from Research to Regulation,
Brussels, Belgium February 2011

ECETOC Aquatic Toxicity of Mixtures Task Force, 2010-2011,
published as Technical Report No.111; Development of guidance
for assessing the impact of mixtures of chemicals in the aquatic
environment 2011

SETAC (Society of Environmental Toxicology & Chemistry)
Pellston Workshop on Tissue Residue Approach for Toxicity
Assessment: Invertebrates and Fish. Held in Leavenworth,
Washington, 7-12 June 2007. Proceedings published by SETAC
and CRC Press 2009

WERF Multiple Stressors Project Subcommittee, 96-IRM-2
1998 - 2001

WERF Multiple Stressors Project Subcommittee, 00-ECO-2 Chair
2000 - 2002

WERF Multiple Stressors Project Subcommittee, 01-WSM-3,
2001 - 2003

Board of Directors, Little Miami River Partnership 1998 - 2002

Little Miami River Partnership Technical Committee Chair
1998 – 2002

SETAC Pellston Workshop on Assessing the Effects of Complex Stressors in Ecosystems. September 11-16, 1999. Proceedings published 2001.

Society of Environmental Toxicology & Chemistry (SETAC)
Technical Committee 1997-2001

SETAC Pellston Workshop on Multiple Stressors in Ecological Risk Assessment September 13-18, 1997. Proceedings published 1999.

Organizing Committee for SETAC/USEPA/ASTM-sponsored Symposium “Modelling and Measuring the Vulnerability of Ecosystems at Regional Scales for Use in Ecological Risk Assessment and Risk Management”. Seattle, Washington, August 17-20, 1998

Organizing Committee for SETAC-sponsored mini-Pellston workshop on “Modelling and Measuring the Vulnerability of Ecosystems at Regional Scales for Use in Ecological Risk Assessment and Risk Management”. Seattle, Washington, August 20-21, 1998

Co-Chair of Mechanisms and Modes of Action Session. SETAC, Washington, D.C., November 1996

IPCS Environmental Health Criteria on Boron Review Panel, ECETOC Official Observer October 18-22, 1996

National Science Foundation/USEPA Water and Watersheds Panel, July 1995

Vice-Chair of Environmental Fate and Effects Subcommittee, Soap and Detergent Association, New York, N.Y. 1994 - 1995

Member of Boron Task Force, Soap and Detergent Association, New York, N.Y. 1992 - 2002

Member of The Task Force on the Ecotoxicology of Borates, ECETOC, Brussels, Belgium. 1994 - 2002

Member of The Task Force on the Aquatic Toxicity of Mixtures, ECETOC, Brussels, Belgium. 2000-2001

Chair of Surfactant-Sediment Task Force, Soap
and Detergent Association/American Cleaning Institute,
Washington, D.C. 1993 - 2012

Chair of Aquatic Safety Subcommittee,
Soap and Detergent Association, New York, NY. 1992 - 1994

Chair of Symposia "Stress Proteins in the Environment",
12th Annual Meeting of the Society of Environmental Toxicology
and Chemistry, Cincinnati, OH. 1992

Chair of Poster/Discussion Session "Integrating Field Studies Into
Risk Assessments", 12th Annual Meeting of the Society of
Environmental Toxicology and Chemistry, Cincinnati, OH 1992

Student Counselor of the South Central Chapter of the Society of
Environmental Toxicology and Chemistry 1990-1991

Member of the Toxicology Program Curriculum Committee,
Iowa State University 1986

HONORS AND AWARDS

Top 5 article from *Environmental Toxicology & Chemistry* for
2012

Young Scientist Award, Agrichemicals Division, American
Chemical Society 1991

J.K.G. Silvey Society Scholarship in Environmental Biology,
University of North Texas 1988

Environmental Protection Agency Traineeship Award, University
of North Texas
1987

Gamma Sigma Delta Honor Society of Agriculture, Iowa State
University 1986

Phi Kappa Phi Honor Society, Iowa State University 1986

Sigma Xi, The Scientific Research Society, Iowa State University
1986

SOCIETY MEMBERSHIPS

J.K.G. Silvey Society
Phi Kappa Phi Honor Society
Sigma Xi, The Scientific Research Society
Society of Environmental Toxicology and Chemistry (SETAC)
American Scientific Affiliation

MONOGRAPHS

Dyer, S.D. 1991. Evaluation of the efficacy of the stress protein response as a biochemical biomonitoring tool. Ph.D. Dissertation, University of North Texas, Denton, Texas.

Dyer, S.D. 1986. Effects of hardness and salinity on the acute toxicity and uptake of fenvalerate by bluegill (Lepomis macrochirus) M.S. Thesis, Iowa State University, Ames, Iowa.

PUBLICATIONS

Fan, M, Liu Z, Dyer S, Federle T, Wang X. 2019. Development of environmental risk framework and methodology for consumer product chemicals in China. Environ. Toxicol. Chem. 38: 250-261. <https://doi.org/10.1002/etc.4300>

Quinn SE, Dyer SD, Fan M, Keller VDJ, Johnson AC, Williams RJ. 2018. Predicting risks from down-the-drain chemicals in a developing country: Mexico and linear alkylbenzene sulfonate as a case study. Environ. Toxicol. Chem. <https://doi.org/10.1002/etc.4181>

Posthuma L, Brown C, De Zwart D, Diamond J, Dyer SD, Holmes CM, Marshall S, Burton GA. 2017. Prospective mixture risk assessment and management prioritizations for river catchments with diverse land uses. Environ. Toxicol. Chem. Manuscript. doi:10.1002/etc.3960.

Diamond J, Altenburger R, Coors A, Dyer S, Focazio M, Kidd K, Koelmans AA, Leung KMY, Servos M, Snape J, Tolls J, Zhang X. 2017. Use of prospective and retrospective risk assessment methods that simplify chemical mixtures associated with treated domestic wastewater discharges. Environ. Toxicol. Chem. doi:10.1002/etc.4013

Connors KA, Dyer SD, Belanger SE. 2017. Advancing the quality of environmental microparticulate research. *Environ. Toxicol. Chem.* doi:10.1002/etc.3829.

Fan M, Liu Z, Dyer S, Zhang X. 2017. Environmental risk assessment of polycyclic musks HHCB and AHTN in consumer product chemicals in China. *Sci. Tot. Environ.* DOI: 10.1016/j.scitotenv.2017.05.036.

Posthuma L, Dyer SD, DeZwart D, Kapo K., Holmes CM, Burton GA. 2016. Eco-epidemiology of aquatic ecosystems: Separating chemicals from multiple stressors. *Sci. Tot. Environ.* 15: 1303-1319.

Kapo KE, Deleo PC, Vamshi R, Holmes CM, Ferrer D, Dyer SD, Wang X, White-Hull C. 2016. iSTREEM®: An approach for broad-scale in-stream exposure assessment of "down-the-drain" chemicals. *Integ. Environ. Assess. & Mgt.* 12:782-92.

Pilière AFH, Verberk, WCEP, Gräwe M, Breure AM, Dyer SD, Posthuma L, de Zwart D, Huijbregts MAJ, Schippe, AM. 2016. On the importance of trait interrelationships for understanding environmental responses of stream macroinvertebrates. *Freshwater Biology* 61: 181-194.

Belanger SE, Barron M, Craig P, Dyer SD, Galay-Burgos M, Hamer M, Marshall S, Posthuma L, Raimondo S, Whitehous P. 2016. Future needs and recommendations in the development of species sensitivity distributions: Estimating toxicity thresholds for aquatic ecological communities and assessing impacts of chemical exposures: Advancing Species Sensitivity Distributions in ecotoxicology. *Integrated Environmental Assessment and Management.* DOI 10.1002/ieam.1841.

Brill JL, Belanger SE, Chaney JG, Dyer SD, Raimondo S, Barron MG, Pittinger CA. 2016. Development of algal interspecies correlation estimation models for chemical hazard assessment. *Environ. Toxicol. Chem.* 35: 2368-2378.

Dyer SD. 2015. In response: Viewpoint on chemicals and multiple stresses: An industry perspective. *Environmental Toxicology & Chemistry (ET&C) Perspectives.* 34: 1206–1208.

Kapo KE, McDonough K, Federle T, Dyer S, Vamshi R. 2015. Mixing zone and drinking water intake dilution factor and wastewater generation distributions to enable probabilistic assessment of down-the-drain consumer product chemicals in the U.S. *Sci. Tot. Environ.* 518-519C:302-309.

Pilière, A, Schipper AM, Breure TM, Posthuma L, de Zwart D, Dyer SD, Huijbregts MAJ. 2014. Comparing responses of freshwater fish and invertebrate community integrity along multiple environmental gradients. *Ecol. Indicators.* 43:215-226.

Pilière, A, Schipper AM, Breure TM, Posthuma L, de Zwart D, Dyer SD, Huijbregts MAJ. 2014. Unraveling the impacts of multiple environmental factors on freshwater invertebrate communities. *Freshwater Sci.* 33:1148-1158.

Kapo KE, Holmes CM, Dyer SD, DeZwart D, Posthuma L. 2014. Developing a foundation for eco-epidemiological assessment of aquatic ecological status over large geographic regions by leveraging existing data resources and models. *Environ. Toxicol. Chemistry.* 33:1665-1677.

Federle TW, Sun P, Dyer S, Kiel B. 2014. Probabilistic assessment of environmental exposure to the polycyclic musk, HHCB and associated risks in wastewater treatment plant mixing zones and sludge amended soils in the United States. *Sci. Tot. Environ.*

Sanderson H, van Compernelle R, Dyer SD, Price BP, Nielsen AM, Selby M, Ferrer D, Stanton K. 2013. Occurrence and risk screening of alcohol ethoxylate surfactants in three U.S. river sediments associated with wastewater treatment plants. *Sci. Tot. Environ.*

Simonich SM, Sun P, Casteel K, Dyer S, Wernery D, Garber K, Carr G, Federle T. 2013. Probabilistic analysis of risks to U.S. drinking water intakes from 1,4-dioxane in domestic wastewater treatment plant effluents. *Integ. Environ. Assess. Mgt.* 9: 547–682.

Mudge SM, Deleo PC, Dyer SD. 2013. The effect of secondary treatment and eco-region on the environmental fate of fatty alcohol based surfactants. *Sci. Tot. Environ.* 470-471: 835- 843.

Cowan CE, Belanger S, Dorn P, Dyer S, McAvoy D, Sanderson H, Versteeg D, Ferrer D, Stanton K. (accepted). Environmental Safety of the Use of Major Surfactant Classes in North America. *Critical Reviews in Environmental Science and Technology.* 2014.

Feng C, Wu F, Mu Y , Meng W, Dyer SD, Fan M, Raimondo S, Barron MG. 2013. Interspecies Correlation Estimation-Applications in Water Quality Criteria and Ecological Risk Assessment. *Environ. Sci. Technol.* 47: 11382-11383.

Feng, CL, Wu, FC, Dyer, SD, Chang, H, Zhao, XL. 2013. Derivation of freshwater quality criteria for zinc using interspecies correlation estimation models to protect aquatic life in China. *Chemosphere* 90: 1177-1183.

Mulder C, Boit, A, Mori, S, Vonk, JA, Dyer, SD, Faggiano, L, Geisen S, Wall DH. 2012. Distributional (In)Congruence of Biodiversity-Ecosystem Functioning. *Adv. Ecological Research* 46: 1-88.

Boxall, ABA, Rudd MA, Brooks BW, Caldwell DJ, Choi K, Hickmann S, Innes E, Ostapyk K, Staveley JP, Verslycke Th, Ankley GT, Beazley KF, Belanger SE, Berninger JP, Carriquiriborde P, Coors Am, DeLeo PC, Dyer SD, Ericson JF, Gagné F, Giesy JP, Guoin Tr, Hallstrom, L, Karlsson MV, Joakim Larsson, DG, Lazorchak JM, Mastrocco F, McLaughlin A, McMaster ME, Meyerhoff RD, Moore R, Parrott, JL, Snape, JR, Murray-Smith R, Servos, MR, Sibley, PK, Straub, JO, Szabo ND, Topp E, Tetreault GR, Trudeau, VL, Van Der Kraak G. Pharmaceuticals and personal care products in the environment: What are the big questions? *Env. Hlth Persp.* 120: 1221-1229.

Johanning J, Hancock G, Escher B, Adekola A, Bernhard MJ, Cowan-Ellsberry C, Domoradzki J, Dyer S, Eickhoff C, Embry M, Erhardt S, Fitzsimmons P, Halder M, Hill J, Holden D, Johnson R, Rutishauser S, Segner H, Schultz I, Nichols J. Assessment of Metabolic Stability Using the Rainbow Trout (*Oncorhynchus*

mykiss) Liver S9 Fraction. *Curr Protoc Toxicol.* 2012 Aug;Chapter 14:Unit 14.10.1-28.

Burton G. A. De Zwart D, Diamond J., Dyer S, Kapo K, Liess M, Posthuma L. 2012. Making ecosystem reality checks the status quo. *Environ. Toxicol. Chem. Focus Article* 31: 1-10.

Mudge SM, DeLeo PC, Dyer SD. 2012. Quantifying the anthropogenic fraction of fatty alcohols in a terrestrial environment. *Environ. Toxicol. Chem.* 31:1-13. Selected as top 5 best articles in ET&C for 2012.

DeLeo PC, Mudge SM, Dyer SD. 2011. Use of Market Forensics to Estimate the Environmental Load of Ingredients from Consumer Products. *Environ. Forensics* 12: 349-356.

Van den Brink PJ, Alexander AC, Desrosiers M, Goedkoop W, Goethals PLM, Liess M., Dyer SD. 2011. Traits-based approaches in bioassessment and ecological risk assessment: Strengths, weaknesses, opportunities and threats. *Integ. Environ. Assess. Mgt.* 7: 198-208.

Dyer S, Warne M St J, Meyer JS, Leslie HA, Escher BI. 2011. Tissue residue approach for chemical mixtures. *Integr. Environ. Assess. Mgt.* 7: 99-115.

Escher BI, Ashauer R, Dyer S, Hermens JLM, Lee J-H, Leslie HA, Mayer P, Meador JP, Warne M St J. 2011. Crucial role of mechanisms and modes of toxic action for understanding tissue residue toxicity and internal effect concentrations of organic chemicals. *Integr. Environ. Assess. Mgt.* 7: 28-49.

Escher BI, Cowan-Ellsberry CE, Dyer S, Embry MR, Erhardt S, Halder M, Kwon J-H, Johanning K, Oosterwijk MTT, Rutishauser S, Segner H, Nichols J. 2011. *Chem. Res. Toxicol.* 24: 1134-1143.

Van den Brink P J, Alexander AC, M. Desrosiers, W. Goedkoop, P. L. M. Goethals, M. Liess, S. Dyer Van den Brink PJ, Alexander JA, Desrosiers M, Goedkoop M, Goethals PLM, Liess M, Dyer SD. 2011. Use of traits-based bioassessment approaches in biomonitoring and ecological risk assessment. *Integ. Environ. Assess. Mgt.* 7: 198-208.

Slye JL, Kennedy JH, Johnson DR, Atkinson SF, Dyer SD, Ciarlo M, Stanton K, Sanderson H, Nielson AM, Price BB. (2011). Relationships between benthic macroinvertebrate community structure and geospatial habitat, in-stream water chemistry in the effluent-dominated Trinity River, Texas, USA. *Environ. Toxicol. Chem.* 30: 1127-1138.

S.F. Atkinson, D.R. Johnson, B.J. Venables, J.L. Slye, J.H. Kennedy, S.D. Dyer, B.B. Price, M. Ciarlo, K. Stanton, H. Sanderson, A. Nielsen. 2009. Use of Watershed Factors to Predict Consumer Surfactant Toxic Units in the Upper Trinity River, Texas. *Sci. Tot. Environ.* 407:4028-4037.

Scott D. Dyer, Mary Jo Bernhard, Christina Cowan-Ellsberry, Elisabeth Perdu-Durand, Susanne Demmerle, and Jean-Pierre Cravedi. 2009. In Vitro Biotransformation of Surfactants in Fish. Part II - Alcohol Ethoxylate (C16EO8) and Alcohol Ethoxylate Sulfate (C14EO2S) to Estimate Bioconcentration Potential. *Chemosphere.* 76: 989-998.

Veenstra, Gauke; Catherine Webb, Hans Sanderson, Scott E. Belanger, Peter Fisk, Allen Nielson, Yutaka Kasai, Andreas Willing, Scott Dyer, David Penney, Hans Certa, Kathleen Stanton, Richard Sedlak (2009). "Human health risk assessment of long chain alcohols". *Ecotoxicology and Environmental Safety*: 1016–1030.

Sanderson, Hans; Scott E. Belanger, Peter R. Fisk, Christoph Schäfers, Gauke Veenstra, Allen M. Nielsen, Yutaka Kasai, Andreas Willing, Scott D. Dyer, Kathleen Stanton, Richard Sedlak, (May 2009). "An overview of hazard and risk assessment of the OECD high production volume chemical category—Long chain alcohols [C6–C22] (LCOH)". *Ecotoxicology and Environmental Safety* 72 (4): 973–979.

Schäfers, C., U. Boshof, H. Jüriling, S.E. Belanger, H. Sanderson, S.D. Dyer, A.M. Nielsen, A. Willing, K. Gamon, Y. Kasai, C.V. Eadsforth, P.R. Fisk and A.E. Girlin. 2009. Environmental properties of long-chain alcohols, Part 2: Structure–activity relationship for chronic aquatic toxicity of long-chain alcohols.

Belanger SE, Sanderson H, Fisk PR, Schäfers C, Mudge SM, Willing A, Kasai Y, Nielsen AM, Dyer SD, Toy R. Assessment of the environmental risk of long-chain aliphatic alcohols. *Ecotoxicol Environ Saf.* 2009 May;72(4):1006-15.

Katherine E. Kapo, G. Allen Burton Jr., Dick de Zwart, Leo Posthuma, and Scott D. Dyer. 2008. Quantitative Lines of Evidence for Screening-Level Diagnostic Assessment of Regional Fish Community Impacts: A Comparison of Spatial Database Evaluation Methods. *Environ. Sci. Technol.*, 2008, 42 (24), 9412-9418.

Dyer, S.D., Versteeg, D.J., Belanger, S.E., Chaney, J.G., Raimondo, S., Barron, M.G. 2008. Comparison of species sensitivity distributions derived from interspecies correlation models to distributions used to derive water quality criteria. *Environ. Sci. Technol.* 42: 3076-3083.

Scott D. Dyer, Mary Jo Bernhard, Christina Cowan-Ellsberry, Elisabeth Perdu-Durand, Susanne Demmerle, Jean-Pierre Cravedi. 2008. In vitro biotransformation of surfactants in fish. Part I: Linear alkylbenzene sulfonate (C12-LAS) and alcohol ethoxylate (C13EO8). *Chemosphere* 72, 850-862.

Christina E. Cowan-Ellsberry, Scott D. Dyer, Susan Erhardt, Mary Jo Bernhard, Amy L. Roe, Martin E. Dowty, Annie V. Weisbrod. 2008. Approach for extrapolating in vitro metabolism data to refine bioconcentration factor estimates. *Chemosphere*, 70, 1804-1817.

Solomon, K.R., Brock, T.C.M., DeZwart, D., Dyer. S.D., Posthuma, L., Richards, S.M., Sanderson, H., Sibley, P.K., van den Brink, P. 2008. Extrapolation in the context of criteria setting and risk assessment. In: *Extrapolation practice for ecotoxicological effect characterization of chemicals*: Eds: Solomon, K.R., Brock, T.C.M., DeZwart, D., Dyer. S.D., Posthuma, L., Richards, S.M., Sanderson, H., Sibley, P.K., van den Brink, P. Chapter 1, pp 1-32.

Sanderson, H., Dyer, S.D., Nabholz, J.V. 2008. QSAR and Extrapolation. In: *Extrapolation practice for ecotoxicological effect characterization of chemicals*: Eds: Solomon, K.R., Brock, T.C.M., DeZwart, D., Dyer. S.D., Posthuma, L., Richards, S.M.,

Sanderson, H., Sibley, P.K., van den Brink, P. Chapter 3, pp 75-104.

Posthuma, L., Richards, S.M., DeZwart D., Dyer, S.D., Sibley, P.K., Hickey, C.H., Altenberger, R. 2008. Mixture extrapolation approaches. In: Extrapolation practice for ecotoxicological effect characterization of chemicals: Eds: Solomon, K.R., Brock, T.C.M., DeZwart, D., Dyer. S.D., Posthuma, L., Richards, S.M., Sanderson, H., Sibley, P.K., van den Brink, P. Chapter 5, pp 135-186..

Solomon, K.R., Brock, T.C.M., DeZwart, D., Dyer. S.D., Posthuma, L., Richards, S.M., Sanderson, H., Sibley, P.K., van den Brink, P. 2008. Conclusions. In: In: Extrapolation practice for ecotoxicological effect characterization of chemicals: Eds: Solomon, K.R., Brock, T.C.M., DeZwart, D., Dyer. S.D., Posthuma, L., Richards, S.M., Sanderson, H., Sibley, P.K., van den Brink, P. Chapter 8, pp 257-268.

Nichols, J., Erhardt, S., Dyer, S., James, M., Moore, M., Plotzke, K., Segner, H., Schultz, I., Thomas, K., Vasiluk, L., Weisbrod, A. 2007. Use of in vitro absorption, distribution, metabolism, and excretion (ADME) data in bioaccumulation assessments for fish. *Human and Ecological Risk Assessment*. 13: 1164-1191.

Dyer, S.D., H. Sanderson, S.W. Waite, R. van Compernelle, B. Price, A. M. Nielson, A. Evans, A. J. DeCarvalho, D. J. Hooton, A. J. Sherren. (2006). Assessment of alcohol ethoxylate surfactants and fatty alcohols mixtures in river sediments and prospective risk assessment. *Environmental Monitoring and Assessment*. 120: 45-63.

Hans Sanderson, Scott D. Dyer, Bradford B. Price, Allen M. Nielsen, Remi van Compernelle, Martin Selby, Kathleen Stanton, Alex Evans, Michael Ciarlo and Richard Sedlak. (2006). Occurrence and weight-of-evidence risk assessment of alkyl sulfates, alkyl ethoxysulfates, and linear alkylbenzene sulfonates (LAS) in river water and sediments. *Science of The Total Environment*. 368: 695-712.

Hans Sanderson, Bradford B. Price, Scott D. Dyer, Alvaro J. DeCarvalho, David Robaugh, Scott W. Waite, Stephen W. Morrall, Allen M. Nielsen, Manuel L. Cano and K. Alex Evans. (2006).

Occurrence and hazard screening of alkyl sulfates and alkyl ethoxysulfates in river sediments. *Science of The Total Environment*. 367: 312-323.

De Zwart, D., S. D. Dyer, L. Posthuma, C. P. Hawkins. (2006). Use of predictive models to attribute potential effects of mixture toxicity and habitat alteration on the biological condition of fish assemblages. *Ecological Applications* 16:1295-1310.

Dyer, S.D., Versteeg, D.J., Belanger, S.E., Chaney, J.G., Mayer, F.L. (2006). Interspecies Correlation Estimates (ICE) Predict Protective Environmental Concentrations. *Environ. Sci. Technol* 40: 3102-3111

Bernhard, M.J. and S. D. Dyer. (2005). Fish critical cellular residues for surfactants and surfactant mixtures. *Environ. Toxicol.Chem.* 24: 1738-1744.

Wang, X., M. Homer, S. D. Dyer, C. White-Hull, C. Du. (2005). A river water quality model integrated with a web-based geographic information system. *J. Environ. Mgt.* 75 : 219-228

Stevenson, R.J., Bailey, R.C., Harrass, M.C., Hawkins, C.P., Alba-Tercedor, Couch, C., Dyer, S., Fulk, F.A., Harrington, J.M., Hunsaker, C.T., Johnson, R.K. (2004). Designing data collection for ecological assessments. In: Ecological assessment of aquatic resources: linking science to decision-making. Eds, Barbour M.T., Norton, S.B., Preston, H.R., Thornton, K. M. Barbour, R. Preston and K. Thornton. SETAC Press, Pensacola, FL., pp. 272.

Stevenson, R.J., Bailey, R.C., Harrass, M.C., Hawkins, C.P., Alba-Tercedor, Couch, C., Dyer, S., Fulk, F.A., Harrington, J.M., Hunsaker, C.T., Johnson, R.K. (2004). Interpreting results of ecological assessments. In: Ecological assessment of aquatic resources: linking science to decision-making. Eds, Barbour M.T., Norton, S.B., Preston, H.R., Thornton, K. M. Barbour, R. Preston and K. Thornton. SETAC Press, Pensacola, FL., pp. 272.

Dyer, S.D., Charles Peng, Drew C. McAvoy, Nick J. Fendinger, Patrick Masscheleyn, Lourdes V. Castillo, and Jose Marie U. Lim. (2003). The influence of untreated wastewater to aquatic communities in the Balatuin River, The Philippines. *Chemosphere*. 52: 43-53.

Dyer, S. D. and X. Wang. (2002). A comparison of stream biological responses to discharge from wastewater treatment plants in high and low population density areas. *Environ. Toxicol. Chem.* 21:1065-1075.

Dyer, S.D. (2001). Determination of the aquatic PNEC_{0.05} for boron. *Chemosphere*: 44: 369-376.

E. J. Dorward-King, G. Suter, L. Kapustka, D. R. Mount, D. K. Reed-Judkins, S. Cormier, S. D. Dyer, M. G. Luxon, R. Parrish and G. A. Burton. (2001). Chapter 1, Distinguishing Among Factors that Influence Ecosystems. Pp. 1-26. In: *Ecological Complexity: New Directions for Assessing Responses to Stress*. Eds. G. A. Burton, D. Baird. SETAC Press, Pensacola, FL.

G. Allen Burton, Jr., Scott D. Dyer, Susan M. Cormier, Glenn W. Suter, and Elaine J. Dorward-King. (2001). Chapter 2, Identifying Watershed Stressors Using Database Evaluations Linked With Field and Laboratory Studies: A Case Example. Eds. G. A. Burton, D. Baird. SETAC Press, Pensacola, FL.

Dyer, S.D., C. E. White-Hull, and B.K. Shepherd. 2000. Assessments of chemical mixtures via toxicity reference values overpredict hazard to Ohio fish communities. *Environ. Sci. Technol.* 34:2518-2524.

Peng, C., K. Jung, T. Arakaki, S. D. Dyer, C. E. White-Hull, and X. Wang. 2000. Development of a Geographic Information System for Environmental Risk Assessment in Asia: Linking Sewage Infrastructure with River Models, Chemistry and Biology. Proceedings of the Second International Symposium on Advanced Environmental Monitoring, Cheju Island, Korea, Oct. 31 – November 2, 2000.

Dyer, S. D., D. T. Stanton, J. R. Lauth, and D. S. Cherry. 2000. Acute and chronic structure activity relationships for alcohol ethersulfates. *Environ. Toxicol. Chem* 19: 608-616.

Wang, X., C. White-Hull, S. Dyer, and Y. Yang. 2000. GIS-ROUT: a River Model for Watershed Planning. *Environ. Planning B: Planning and Design.* 27:231-246.

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