

John P. Giesy, Jr., Technical Director - Environmental Risk

Discipline/Specialty

- Environmental Toxicology

Education

- B.S., Summa Cum Laude, Honors in Biology, Alma College, Alma Michigan, 1970
- M.S., Michigan State University, East Lansing, Michigan, Fisheries & Wildlife (Limnology), 1971
- Ph.D., Michigan State University, East Lansing, Michigan, Fisheries & Wildlife (Limnology), 1974

Scuba Certifications

- NASDS, 1978

Security Clearances

- Q:1974 1976 (US DOE); L:1976 1981 (US DOE), 1993-1994 (US Navy, Midway Island)

Languages

- English (native)
- French
- German

SUMMARY OF QUALIFICATIONS

Professor Giesy was born in 1948 in Youngstown Ohio, but considers himself a *Michigander*, since he lived most of his life in the state of Michigan. He attended Alma College in Alma, Michigan where, in 1970, he obtained a B.S. Degree, *Summa cum laude* with honors in Biology. Prof. Giesy obtained Masters and Doctor of Philosophy Degrees in Limnology from Michigan State University in 1971 and 1974, respectively. From 1974 until 1981 he was affiliated with the Savannah River Ecology Laboratory and a faculty member in the Institute of Ecology and Department of Zoology at the University of Georgia. Until 2006, he was Distinguished Professor of Zoology at Michigan State University in East Lansing, Michigan, where he was also a Professor of Veterinary Medicine and on the faculties of the Center for Integrative Toxicology and National Food Safety and Toxicology Center. Currently, he is Professor and Canada Research Chair at the University of Saskatchewan where he is a faculty member in the Dept. of Veterinary Biomedical Sciences and on the Faculty of the Toxicology Centre and Professor of Zoology Emeritus at MSU.

RELEVANT EXPERIENCE

Dr. Giesy has conducted a number of research projects on the fates and effects of trace contaminants. A total of more than \$80,786,606 has been awarded to him to conduct these studies. A few of the current and recent projects are listed below. A complete listing of projects is available upon request. In addition, Dr. Giesy serves as a consultant to many state and federal agencies, foundations, and corporations.

Consultantships:

Academy of Finland, Research Council for Biosciences and Environment: Helsinki, Finland

External proposal reviewer, 2004

Alabama Attorney General: Montgomery, AL 1994

Review of sediment toxicity information from Dye plant

Alkyl Phenol Ethoxylates Research Council: Washington, D.C.

Development of long-range strategic study plan for ecological risk

assessments of Alkylphenol ethoxylates and their degradation products.

Field studies of concentrations of APEOs and their degradation products in surface water, sediments and fish tissues.

American Forest and Paper Association: 2000

Ecological risk assessment of polychlorinated dioxins in fishes in rivers of Maine to bald eagles.

Development of a bald eagle restoration plan for the State of Maine

BASF Corporation: Ludwigshafen, West Germany.

Assisted in selecting and implementing environmental fate models to study the probable fate of products. 1988.

Belgian Prime Minister; Science Policy Office - National Impulse Program in Marine Sciences: Brussels Belgium. 1991.

Review of program and research proposals on science and economics research on the North Sea.

Brown and Caldwell, Inc. Maui, Hawaii

Analysis of Industrial Chemicals in Waste Waters from Honolulu"

Camp, Dresser and McKee: Detroit, Michigan

Natural resource damage assessment for effects of PCBs and dioxins in Saginaw Bay, Michigan

Canadian Foundation for Innovation

Expert Committee to review proposals in the area of Bioproducts, 2008

Canadian Government Chemical Management Plan

Review of proposals (2008)

Canada Research Chairs program: Ottawa, Canada

External reviewer of chair application to University of Guelph, 2005

External reviewer of chair application to University of Waterloo, 2005

Canadian Network of Toxicology Centres: Guelph, Ontario.

Board of directors. 1991-Present.

External audit of programs-member of audit team

Cantox corp: Mississauga, Ontario, Canada.

Expert panel for Project for Chlorine Institute on chlorinated hydrocarbons in the environment. 1992.

Reviewer- Scientific principles for evaluating the potential for adverse effects from chlorinated organic chemicals in the environment. 1995

Member of Expert Panel for the review of the Human and Ecological Risk Assessment of the Herbicide Roundup (Glyphosate). 1998

CBR-Canada: Sidney B.C. Canada.

Review of sediment quality guidelines for polycyclic aromatic hydrocarbons. 1991.

Chemical Manufacturer's Association: Washington, D.C.

Briefings on chlorinated hydrocarbons in the environment to CMA Council. 1991

Briefings to congressional staffers on the senate and house sides. Issues: Chlorinated hydrocarbons, especially xeno-estrogens in the environment. Re-authorization of the Clean Water Act.

Chlorine Chemistry Council: Washington, D.C., 2001

Review of Research foundation for Health and Environmental Effects Science Research Plan for Fy 2001-2006.

Chlorine Institute. Washington, D.C.

Preparation of position papers on the sources, fates and effects of chlorinated compounds in the environment. The 1900 page document covers 9 product categories and over 90 compounds. 1992-1994

City of Columbus, Ohio Water Works: 1979.

City University of Hong Kong, Co-operative Education Center, Faculty of Science and Engineering, 2005-Present

Student mentor for environmental sciences

Pilot study to reduce halomethane precursors in feed water by ultrafiltration.

Clemson University- The Institute of Wildlife and Environmental Toxicology (TIWET):

External Advisory Board. 1991-1994. 1996-1997; Co-chairperson 1993-1994.

Consultant to hire a new director for TIWET

Commerce Township, Michigan

Assessment of Potential Toxicity of Ammonia to the redsided dace in Michigan Waters. A risk assessment conducted for Commerce Township, Michigan, 2005

Consumer Power Company: Jackson, MI.

Review of potential hazards due to coal ash stored at Woodtick Point, Ohio and use of material in constructing a sea wall in Lake Erie. 1989.

Assessment of the risk of Arsenic and Selenium migrating off site at an ash disposal basin at the Campbell plant near Grand Haven Michigan.

Assessment of the potential risks of dam removal on rivers in Michigan. Residues in fish and sediments were measured and a risk assessment conducted.

State of Delaware, Attorney General's Office:

"Marine Sediment Contamination by Coal." 1984.

Dow-Corning, Corp. Midland, Michigan

Science advisory group (SAG) for silicones in the environment Jointly with Procter & Gamble Co. 1991.

Reassessment of silicones in the environment. 1994.

External promotion reviewer, 2004

DowAgrosciences, Inc.: Indianapolis, IN

Ecological Risk Assessments of chlorpyrifos in surface waters, 1998

Comments to US EPA on their ecological risk assessment for chlorpyrifos.

EarthWatch Institute: Maynard, MA

Member of Speaker Bureau, 2002-

East Lansing, Waste Water Treatment Plant:

Bioassay for waste water permitting.

East Michigan Environmental Action Council: Birmingham, Michigan.

Revision of Hazardous Waste Siteing Response Handbook. 1989-1990.

ECETOC, Brussels, Belgium

Briefing on Estrogenic Compounds in the Environment, 1994

Cardno ENTRIX., Houston, TX:

Senior Consultant, 1995-Present

Environment Agency of England and Wales: Wallingford, England, UK

External reviewer Environment Agency Science on Endocrine Disruptors, 2004

Environmental Policy Center Law Companies Environmental Group:
Review of Risk Dialogue Group Documents.

European Commission, Directorate General-12, Brussels, Belgium
Joint EU/US Endocrine Disruptor Expert Panel on Research Directions, 1999

External Advisory Council - Institute of Wildlife and Environmental Toxicology, Clemson, University: 1990-1993.

Florida Department of Environmental Protection: Tallahassee, Florida.
Task Force on Water Pollution Control. Metals in fish effects on fish, mercury and cadmium. 1983.

Assessment of Potential Toxicity of Ammonia to the reddsided dace in Michigan Waters. A risk assessment conducted for Commerce Township, Michigan, 2005

Greely and Hanson Inc: Chicago, Illinois; 1983.
Assessment of the use of "MicrotoxR" as a rapid screening tool for acute toxicity studies.

Hoechst-Roussel Agri-Vet Company: Sommerville, NJ.
Review of testing protocols for agricultural chemical ecotoxicology. 1986-1990.

General consultant on agricultural chemical ecotoxicology. 1985-1990.

HydroQual, Inc: Mahwah, NJ.
Design of study for registration of Chlorpyrifos for Turf Grass applications. 1987.

Idaho Board of Education Specific Research Grant Program
Review of research proposals, 1993.

Kalamazoo River Study Group: Kalamazoo, Michigan
Ecological Risk Assessment of PCBs in Sediments of the Kalamazoo River, Michigan

Kemper Insurance Co.: See Tressler et al.

Kimberly-Clark, Inc.:
Advisory Group, fates and effect of chlorinated dioxins and similar compounds. 1992-Present.

Lewis Publishers: Chelsea, MI. CRC Press, Boca Raton, FL, 1987-Present.
Editorial board.

Advances in trace substances research.

Limnotech Inc: Ann Arbor, Michigan. 1983-1990.

Optimization of sampling plan for U.S.E.P.A. Water Quality Monitoring and the Waste load Allocation Program.

Litigation land developers vs. Fairfax County, VA. Assessment of Effects of Treatment of Occuquon Reservoir with Copper Sulfate. General waste and runoff water allocation problem.

MAXUS Energy Corp: 1991.

Sediment monitoring and assessment.

Michigan Council on Environmental Quality: Lansing, Michigan

Panel to set Environmental Priorities for the State of Michigan, January, 1990.

Michigan Department of Agriculture: Lansing, Michigan

Advisory Working Group on Dioxin, 2002

Michigan Department of Natural Resources, Biology Division: Lansing, Michigan, 1981-Present.

Review of water quality criteria for metals.

Assessment of effluent toxicity at the Anthony Ragnone Waste Water Treatment Plant, 1982. In situ acute and chronic fish bioassay. Responses to ammonia and chlorine. Enzyme and substrate analysis, histopathology.

Review of "draft document," Interdepartmental Risk Assessment in Michigan.

Development of surface water quality standard for selenium. 1985.

Michigan Department of Natural Resources:

Review of "Michigan Site Assessment System (MSAS)." A model for priority of sites for remedial action under the Michigan Environmental Response Act (ACT 307)." 1987.

Hazardous Waste Site Review Board. Seven member board to study and make recommendations on the licensing and regulation of generating, transporting, treating, storing or disposal of hazardous materials. Appointment by Governor. 1989-1990.

"Development of a Multi-Media Inventory for Bioaccumulative Compounds of Concern (BCCs) for the Saginaw Bay Watershed", Advisory Committee, 1994-Present.

Michigan Department of Public (Community) Health: Lansing, Michigan

Development of advisories for consumption of fish from the Great Lakes by humans, May 1989-present.

Sampling plan and chemical analyses of samples of Great Lakes fishes, May, 1989.

Review of proposed methods to remove PBBs from contaminated people and livestock, April, 1990.

Division of Toxicology and Chemistry and Division of Occupational Epidemiology. Delegate to the workshop on development of a biomonitoring program. 2002.

Biomonitoring Planning Team. Development of list of chemicals of concern for possible monitoring.

Michigan Great Lakes Protection Fund:

Program Review, 1991.

Michigan Legislative Services Bureau Science Office: Lansing, Michigan

Herbicide active ingredients. 1984.

Michigan United Conservation Clubs:

Effects of Contaminants on Furbearers of the Great Lakes Region. Preparation of Study Plan. 1989.

Moneco Consultants, Ltd: Calgary, Alberta, Canada.

Review of Water Quality Criteria documents. Benzene and Chlorinated Benzenes. 1986-1987.

Monsanto Corp (Solutia, Inc.).

External Reviewer-Environmental Stewardship programs. 1985

Member of Expert Panel for the review of the Human and Ecological Risk Assessment of the Herbicide Roundup (Glyphosate). 1998

National Wildlife Federation: Washington, D.C.

Review of Great Lakes Initiative Plan for control of toxics in the Great Lakes.

National Academy of Sciences and National Research Council

Committee on Hormone-Related Toxicants in the Environment: 1997-1999

Committee on Risk-Based Criteria for Non-RCRA Hazardous Waste: 1998-1998

Committee on Vietnam Agent Orange Research Interests and Priorities: 1998-

1999

National Agricultural Chemical Association (NACA): Washington, D.C.

Development of testing protocols to determine the environmental impact of agricultural chemicals. 1984-Present.

National Air and Stream Improvement Institute (NCASI): Kalamazoo, Michigan.

Briefing on chlorinated dioxins in the environment to officials of pulp and paper industries, Chicago, IL. 1992.

National Institutes of Health, National Institute of Environmental Health Sciences, Superfund Basic Research Program

Review of Superfund Basic Research Program applications, October 4-7, 2004,

Research Triangle Park, NC.

Natural Environment Research Council: Swindon, UK

External reviewer Directed Research Grants Program, 2004

New York State Department of Conservation:

Review of "Biothreat" model for hazard assessment of hazardous waste sites. 1987.

New York State Department of Health: Albany, New York

Review of Research Scientist for promotion. 2005

New Zealand Ministry of the Environment: Auckland, New Zealand.

Lead consultant for national environmental risk assessment of organochlorine compounds, 1997-1999.

Netherlands Health Council, 2002

Review of method for the development of environmental risk limits for PCBs in the environment

NOVA WGBH Television: Boston

Review of Programming on Environmental Issues, 1994

Novartis, Inc.

Member of Expert panel to conduct an ecological risk assessment of atrazine as an Endocrine Disruptor, 1997

Oak Ridge National Laboratory, Environmental Sciences Division: Oak Ridge, Tennessee

Member Advisory Committee, 1998-2001.

Chair Advisory Committee on Environmental Health Initiative, 2000

Ontario Ministry of the Environment; Water Resources Branch: Toronto, Ontario

Comprehensive review of: Water Quality Criteria Development Document on Benzene and Substituted Benzenes in the Aquatic Environment. 1985.

Laboratory Sediment Biological Testing Protocol. 1991.

Organization for Economic Cooperation and Development: Paris, France.

Development of sediment quality criteria. 1991.

Reviewer AOECD Guidelines for the Testing of Chemicals: Chironomid Toxicity Test Using Spiked Water, 1998

Oxidental Petroleum, Inc.: 1991.

Sediment monitoring and assessment.

Partners in Research: Arlington, VA

Review of Ambient Aquatic Life Water Quality Criteria for Nonylphenol". External expert for review of this proposed US EPA regulation. 1997

Pharmacia & Upjohn, Inc. Kalamazoo, Michigan (see Upjohn, Co.)

Advisor on environmental stewardship, 1997.

Prismatic Images: Flint, Michigan.

Educational films on fisheries and aquatic biology. 1984-1985.

Proctor and Gamble, Inc.: Cincinnati, OH

Science advisory group on silicones in the environment. March, 1991.

Research and Evaluation Inc: Chapel Hill, N.C.

Reviews of EPA Test Rules, Integrated Support Documents and Ad Hoc Reviews. 1985-Present.

Research and Evaluation Associates Inc: Chapel Hill, NC.

Review of *ad hoc* document submitted to US EPA entitled "96-hr flow-through toxicity study of butylbenzyl phthalate to the freshwater crayfish, *Procambarus sp.* 1986.

Residuals Management Inc., Madison, Wisconsin: 1982-1984.
Fate of PCBs in Shiawassee River due to cleanup operations.

City of Rochester, Michigan: 1991-1992.
Bioassays for waste water permitting.

Risk and Decision Processes Center Philadelphia: Philadelphia, Pennsylvania
Review of issues in citing a hazardous waste facility. 1991.

Saginaw National Watershed Initiative, 1994-Present.
Technical Steering Committee

SETAC Foundation for Environmental Education: Pensacola, Florida
Chairman, Board of Directors, 1992-1993.

Silicones Environmental Health & Safety Council
Science Advisory Group (SAG) for silicones in the environment, 1994

South Florida Water Management District: West Palm Beach, FL,
Review of research results- "The Influence of Phosphorus on Mercury Cycling and Bioaccumulation in the Everglades". 1995

St. Mary's College, Halifax, Nova Scotia:
Tenure and Promotion review, Department of Biology, 2007.

State of New York, Department of Health
External examiner, promotion and tenure, 2004

Texas Learning Technology Group
Technical advisor for development of a multi-media program entitled "EcoExpert: Health Risks in Our Town". This computer-based program is to be used in public and K-12 educational programs.

The Texas Institute for Advancement of Chemical Technology
External reviewer for Insights, V. 6 , 1995 "Chlorine in Perspective"

Three M Corporation: Minneapolis, Minnesota. 1993-Present
Review of environmental toxicology programs. 1993
Assessment of products for environmental fates and effects. 1993.
Corporate environmental stewardship strategic planning. 1996-Present.

Ecological Risk Assessment of products containing perfluorinated compounds. 1999-2004

Registration of perfluorinated products in the United States and Japan. 2000

T N & Associates, Inc.: Cincinnati, Ohio

Acquisition and Critical Review of Literature on the Ecological Effects of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and related Compounds on Aquatic Life and Associated Wildlife. Primary consultant on project design, data acquisition and report preparation. Contract to US EPA.

Trans-boundary Contaminants Work Group: 2007-Present

A working group established by the Upper Columbia White Sturgeon Recovery Initiative (UCRWSRI) and Columbia River International Environmental Monitoring Program (CRIEMP) to investigate and prepare reports on contaminants in the Columbia River. The Committee is made up of individuals from the various state, provincial, federal, and tribal agencies as well as independent academics and consultants.

Transpharm, Inc. Basel, Switzerland: 2007

Assessment of the steroidogenic properties of newly designed drugs.

Trent university. Trent Ontario, Canada: 2007

Chemistry Department, Review of candidate for promotion and tenure

United States Conference of Mayors:

Risk assessment of dioxins in soils due to use of urban bio-solids as a soil amendment, 1998.

University of California: Oakland, California

External reviewer of grants for the Coastal Environmental Quality Initiative, 2004

University of California - Davis Ecotoxicology Program

External Review Panel. 1994.

University of California – Davis, Wildlife Health Center

Review grant proposals, 2001.

University of California-Santa Cruz: Santa Cruz, California

External reviewer for promotion and tenure, 1997

University of Wyoming: Laramie, Wyoming

External promotion and tenure reviewer, 2004

Upjohn, Corp., Kalamazoo, MI. 1993-Present

Environmental monitoring for organic and inorganic contaminants in water recharge system. 1993

Monitoring for octachlordibenzo-p-dioxin in soil and groundwater. 1994

Sediment toxicity assessment of several plants in Michigan Maryland and Virginia. 1994-1995

Monitoring for concentrations of organic compounds in fishes from surface waters adjacent to production facilities. 1994-1995

Expert witness in defense in litigation relative to PCB contamination of the Kalamazoo River. Depositions and testifying witness.

U.S. Army Corps of Engineers: Buffalo District Office.

Design of program for monitoring of residues leaching from contained dredge material disposal sites in Buffalo Harbor, 1987.

U.S. Dept. Interior, National Sea Grant Program:

Scientific panel to review Chesapeake Bay Toxics Research Program. 1992.

US Dept. Agriculture, Agricultural Systems Program:

Review of proposals to the National Research Initiative Competitive Grants Program. Annually 1998-2004

***US Dept. Agriculture, Animal Growth and Nutrient Utilization Program:
Washington, DC***

External reviewer of research proposals, 2004

U.S. EPA Office of Research and Development:

Review of core research program. Chair person of SETAC *ad hoc* review committee.

***U.S. Environmental Protection Agency/U.S. Department of Justice:
Washington, D.C.***

Expert witness, United States of America against Petro Processors of Louisiana, Inc. Toxic waste site litigation, 1983. Background information, case development and testimony as aquatic toxicologist.

Office of Waste Programs Enforcement. Enforcement Case Support Expert Resources Inventory System. Clement Associates, Inc. Arlington, VA 1984-Present.

U.S. Environmental Protection Agency: Washington, D.C.

Hudson River PCB Site Reassessment Committee, 1991.

Amphipod bioassay workshop, 1991-1992.

Sediment Quality Criteria Workshop, 1992-Present.

Water Quality Criteria for Metals, 1993-present.

Aquatic Risk Assessment and Risk Mitigation. Dialogue group for Pesticides. 1993. 17 member task force to develop procedures for assessing the hazard of pesticides to aquatic ecosystems.-Invited Delegate -Member Steering Committee

US Environmental Protection Agency: Reviewer of ACE model Acute to Chronic Estimation (Version 2.0), 2003

U.S. Environmental Protection Agency, Science Advisory Board: Washington, D.C.

Ecological Processes and Effects Committee: Sediment Quality Guidelines for Metals in Sediments, 1999.

Ecological Processes and Effects Committee: Aquatic Life Criteria for Water-Metals, 1999.

Ecological Processes and Effects Committee: Ecological Soil Screening Levels for

Superfund Sites, 1999.

U.S. Environmental Protection Agency, Environmental Fate and Effects Branch, Office of Pesticide Programs, Science Advisory Panel: Washington, D.C.

Ecological Committee on FIFRA Risk Assessment Methods (ECOFRAM), 1999

U.S. Environmental Protection Agency Environmental Biology Review Panel of the Exploratory Research Program, Office of Research and Development.

Review of proposals submitted to the program, including traveling to the Study Panel Meetings.

1984 - Dallas, TX.

1986 - Duluth, MN.

1989 - Las Vegas, NV.

1990 - Tempe, AZ.

1991 - Knoxville, TN.

1991 - Sarasota, FL.

1994 - Washington, DC.

***U.S. Fish and Wildlife Service, Great Lakes Fisheries Laboratory:
1982-Present.***

ATP analysis in fish eggs, effects of xenobiotics on fish eggs; trace metal speciation.

Review of Technical Document on Toxicity of Metals of Fishes. 1992.

***VCI (Verband Der Chemische Industrie Deutschland): Frankfurt, West
Germany, 1988.***

Development of systems to rank hazardous materials, based on probable toxicity, carcinogenicity, teratogenicity and persistence in the environment. Including terrestrial and aquatic organisms and plants. QSAR techniques were used. 1988.

Selection and implementation of models to predict the fate of organic compounds in aquatic systems. Design of pond studies to evaluate the models, including sensitivity analyses. 1988.

Verasa, Inc. (For US EPA), 2002

Review of document entitled "Estimating Bioaccumulation Factors for Dioxins and Related Compounds".

Versar, Inc., Springfield VA.

Review of the US EPA document entitled "Framework for Applications of the Toxicity Equivalence Methodology for Polychlorinated Dioxins, Furans Biphenyls and Ecological Risk Assessment". 2003

Wageningen Agricultural University: Wageningen, The Netherlands

Program Review for Ecotoxicology, May 1999.

Warren Waste to Energy Inc: Warren, MI: 1984.

Assessment as Release of Metals from Fluidized Bed Incineration of Municipal Waste for Energy Recovery from Waste. Permitting with State of Michigan.

Wildlife International Ltd: St. Michaels, MD.

Development of Protocol for Multi-species Testing for the Effects of Pyrethroid Insecticides on Aquatic Organisms. 1985.

World Health Organization Advisorships

Development of Toxic Equivalency Factors of polychlorinated dibenzo-*p*-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs) and polychlorinated biphenyls (PCBs) for fish, birds and mammals: 1996-1999.

Global Assessment of the State-of-the-Science of Endocrine Disruptors. United Nations Environment WHO Program and International Programme on

Chemical Safety: 1998.

W.W. Engineering & Science. Grand Rapids, MI, 1994

Review of report on sediment toxicity assessment for St. Mary's River, Michigan.

HONORS AND AWARDS:

- Varsity letter winner—Wrestling, Alma College
- National Science Foundation Undergraduate Research Fellow: 1969
- Alpha Society (Scholarship, Leadership, Athletics): 1970
- Phi Sigma Pi (Scholastic Honorary): 1969
- Omicron Delta Kappa (Men's Leadership Honorary): 1970
- Beta Beta Beta Alma College Chapter (Biology Honorary), President: 1969-1970
- ***Frank G. Brooks, Regional Best Paper Award, Beta, Beta, Beta***: 1970
- ***Woodrow Wilson Fellow*** - Honorable Mention: 1970
- ***National Science Foundation Fellow*** - Honorable Mention: 1970
- ***Fulbright Fellow***, Environmental Toxicology Program University of Bayreuth, Federal, Republic of Germany: 1987-1988
- ***Chevron Distinguished Lecture Award***- University, California-Davis: 1989
- ***Sigma Xi Junior Investigator Research Award*** Michigan State University Chapter (for Continued Excellence in Scientific Research): 1989
- Researcher of the Month Laboratory Animal Resources Department, Michigan State University (for excellence in research on animals): 1989
- ***CIBA GEIGY Agricultural Recognition Award*** in Environmental Science: 1990
- Pew Scholars Program - Presidential Nominee, Michigan State University: 1992
- ***Willard F. Shephard Award*** for service to the field of pollution control. Michigan Water Pollution Control Association: 1992
- Election to the International Platform Association: 1992
- ***International Man of the Year in Environmental Toxicology*** - International Biographical Centre, Cambridge, England:
(1) 1992-1993
(2) 2000-2001
- ***Distinguished Professor Award*** - Michigan State University: 1993
- ***QUINTESENCE: Excellence in Environmental Contamination & Toxicology***: 1994
For the publication: Hoke, R.A., P.D. Jones, A.E. McCubbin, M.J. Zabik and J.P. Giesy. 1994. Use of *in vitro* assays of sediment extracts to detect and quantify contaminants with similar modes of action. *Chemosphere* 28:169-181.
— "This publication was selected as an example of excellence in the field of Environmental Contamination & Toxicology for 1) its significance and impact on the scientific field as a whole; quality of design and overall scientific

excellence."

- **Vollenweider Environmental Science Award:** 1994. Awarded annually by Environment Canada Government (Canadian Center For Inland Waters, Burlington) for "excellence in International Freshwater Research and Scientific Leadership"
- **SETAC Founders Award:** 1995. This is the most prestigious award presented by the Society of Environmental Toxicology and Chemistry (SETAC) to an Individual for outstanding contributions to the fields of Environmental Toxicology & Chemistry".
- **Alma College Distinguished Alumni Award:** 1996. This award is given an individual who has "distinguished themselves through service to society and Alma College".
- **Best student paper Award from the Society of Environmental Toxicology and Chemistry: 1997**
- Richter, C.A., J.P. Giesy, V.L. Tieber and M.S. Denison. 1997. An *in vitro* Rainbow Trout Cell Bioassay for Aryl Hydrocarbon Receptor-Mediated Toxins. *Environ. Toxicol. Chem.* 16:543-550.
- **Best student paper Award from the Society of Environmental Toxicology and Chemistry: 1999**
Villeneuve, D.L., C.A. Richter, A.L. Blankenship and J.P. Giesy. 1999. Rainbow Trout Cell Bioassay Derived Relative Potencies for Halogenated Aromatic Hydrocarbons: Comparison and Sensitivity Analysis. *Environ. Toxicol. Chem.* 18:879-888.
- **Best student paper award from International Symposium on Halogenated Environmental Organic Pollutants and POPs, Organohalogen Compounds, 2001.**
Khim, J.-S., K.-T. Lee, D. L. Villeneuve, K. Kannan, J. P. Giesy and C.-H. Koh. 2001. Characterization of Dioxin-Like and Estrogenic Compounds in Environmental Samples from Onsan Bay and It's Inland Region, Korea. *Organohalogen Compounds.* 51:31-34.
- **ISI Highly Cited Author Recognition- 2002:** J.P. Giesy was identified by Current Contents as one of the world's most cited authors. Based on the frequency with which his papers are cited by other authors, Current Contents has identified Prof. Giesy as a person who is in the top 0.1% of active authors. In 2001 Prof. Giesy was recognized as an ISI Highly Cited Author (ISIHightlyCited.com).
- **ISI Highly Cited Author Recognition-2002:** J.P. Giesy was the 7th most cited author out of approximately 20,000 people who published in the fields of Ecology and Environment over the period 1992-2002 (ISI Current Contents: ISIHightlyCited.com) <http://www.in-cites.com/scientists/env-eco.html>
- **InCites Highly Cited Author Recognition-2003:** J.P. Giesy was the 6th most cited author in the Fields of Ecology and Environment over the period of 1993-2003: <http://www.in-cites.com/top/2003/fourth03-env.html>
- **InCites Highly Cited Author Recognition-2003:** J.P. Giesy is the 3rd most

cited author in the area of Polychlorinated Biphenyls in the environment:

<http://www.esi-topics.com/pcb/interviews/JohnPGiesy.html>

- ***InCites Highly Cited Author Recognition-2004:*** J.P. Giesy was the 6th most cited author in the Fields of Ecology and Environment over the period of 1994-2004. Based on 147 papers monitored for the period Prof. Giesy had a total of 3,060 citations with an average citations per paper of 20.82: <http://www.in-cites.com/top/2004/fourth04-env.html>
- ***InCites Highly Cited Author Recognition-2005:*** J.P. Giesy was the 4th most cited author in the Fields of Ecology and Environment over the period of 1995-2005. Based on 155 papers monitored for the period, Prof. Giesy had a total of 4,077 citations with an average citations per paper of 26.3: <http://in-cites.com/top/2005/index.html#Environment%20/Ecology>
- ***InCites Highly Cited Author Recognition-2006:*** J.P. Giesy was the 2nd most cited author in the Fields of Ecology and Environment over the period of 1996-2006. Based on 171 papers monitored for the period, Prof. Giesy had a total of 4,669 citations with an average citations per paper of 27.3: <http://in-cites.com/top/2006/fifth06-env.html>
- ****InCites Highly Cited Author Recognition-2007:*** J.P. Giesy was the 2nd most cited author in the Fields of Ecology and Environment over the period of 1997-2007. Based on 175 papers monitored for the period, Prof. Giesy had a total of 4,884 citations with an average citations per paper of 27.9: <http://in-cites.com/top/2007/fourth07-env.html>
- ***Best Ecological Risk Assessment Paper published during 2001 in Human and Ecological Risk Assessment***
Solomon K. R, Giesy J.P., Kendall R. J, Best L. B., Coats J. R, Dixon K. R., Hooper M. J., Kenaga E.E., McMurry ST. 2001. Chlorpyrifos: Ecotoxicological Risk Assessment for Birds and Mammals in Corn Agro-ecosystems. *Human Ecol Risk Assess.* 7:497-632.
- **The following paper was selected by the Journal Toxicological Sciences to be highlighted and a special review article written:**
Hu, W., P. D. Jones, B. L. Upham, J. E. Trosko, C. Lau and J. P. Giesy. 2002. Inhibition of Gap Junctional Intercellular Communication by Perfluorinated Compounds in Dolphin Kidney and Rat Liver Epithelial Cell Lines. *Tox. Sci.* 68:429-436. *The Citation for the Highlight article is:* Ruch, R.J., 2002. Toxicological Highlight: Intercellular Communications, Homeostasis and Toxicology. *Toxic. Sci.* 68:265-266.
- ***Environmental Science and Technology Highly Cited Paper Award.***
- **Highly Cited Papers are** The listed papers were in the top 20 cited papers out of the thousands of papers published in ES&T and designated as "Highly Cited articles" because they were in the top 1% of the most-cited papers during the last 10 years. Citations are counted from all sources, and are cumulated from the year of publication through the current year.
http://pubs.acs.org/journals/promo/most/highly_cited/index.html
- **The following paper was the 3rd most cited papers published in ES&T for 2006.**

Yeung, L. W. Y, I. M. K., So, G. Jiang, S. Taniyasu, N. Yamashita, M. Song, Y. Wu, J. Li, J. P. Giesy and P. K. S. Lam. 2006. Perfluorooctanesulfonate and Related Fluorochemicals in Human Blood Samples from China. *Environ. Sci. Technol.* 40:715-720.

- **The following paper was the 11th most cited papers published in ES&T for 2007.**

Giesy, J. P. and K. Kannan. 2001. Global Distribution of Perfluorooctane Sulfonate and Related Perfluorinated Compounds in Wildlife. *Env. Sci. Technol.* 35:1339-1342.

- ***SETAC Environmental Education Award: 2002.***

This is one of the 5 most prestigious awards given by the Society of Environmental Toxicology and Chemistry (SETAC). "The award is presented annually to recognize an individual, group or organization for significant contributions to environmental education. You have been recognized by the society with this award for contributions to improving environmental science curricula and development of programs to enhance environmental literacy and awareness at the undergraduate and graduate levels at your university and throughout the world as well as through participation in many advisory boards, foundations, committees and consultancies. In addition the award represents a lifetime of impact on all aspects of environmental science through the many outstanding students, post docs and visiting scientists whom you have trained."

- ***Who's Who Award for Achievement: 2002***
- ***21st Century Award for Achievement: 2002***
- ***Sir E.W. Russell Lectureship Award: 2003*** Given by the British Soil Science Society for significant contributions in science.
- ***All-University Excellence in Diversity Award—Individual Lifetime Achievement***, Michigan State University: 2005
- ***International Man of the Year***: American Biographical Institute Board of International Research. 2007. For overall accomplishment and contributions to society.
- ***Best student platform presentation***. 34th Aquatic Toxicity Workshop, Halifax, Nova Scotia, October 2, 2007. "Gene expression and histological structure as biomarkers of chemical exposure in Japanese medaka." With A. Tompsett, J.-W. Park, J.L. Newsted, M. Hecker, P.D. Jones and X. Zhang.

Environmental Toxicology and Chemistry Highly Cited Paper Award. The following paper was one of the 5 most cited papers published in ET&C during 2008: Solomon, K. R., D. B. Baker, R. P. Richards, K. R. Dixon, S. J. Klaine, T. W. LaPoint, R. J. Kendall, J. M. Giddings, J. P. Giesy, L. W. Hall, Jr., C. P. Weisskopf and W. M. Williams. 1996. Ecological Risk Assessment of Atrazine in North American Surface Waters. *Environ. Toxicol. Chem.* 15:31-76.
<http://www.setajournals.org/perlserv/?request=index.html>