

John P. Giesy, Ph.D., FRSC, FSETAC

<https://www.giesy.net/>

Prof. Giesy was born in 1948 in Youngstown, Ohio, USA, but lived most of his life in the state of Michigan. He is a dual citizen of the United States of America (by birth) and Canada (2015). He has lived in Ohio, Oklahoma, Louisiana, California, South Carolina, Germany, Hong Kong and Texas. 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 a Doctor of Philosophy Degrees in Limnology from Michigan State University (MSU) in 1971 and 1974, respectively. **Currently, he is Emeritus Distinguished Professor of Biomedical Science at the U of S and Integrative Biology at MSU and Visiting Distinguished Professor of Environmental Science at Baylor University in Waco, Texas, USA.** From 1974 until 1981, he was affiliated with the Savannah River Ecology Laboratory and a faculty member in the Institute of Ecology and Dept of Zoology at the University of Georgia. Until 2006, he was Distinguished Professor of Zoology at MSU, East Lansing, Michigan, where he was also a Professor of Veterinary Medicine and in the faculties of the Center for Integrative Toxicology and National Food Safety and Toxicology Center. From 2006 until 2024, he was Professor and Canada Research Chair at the University of Saskatchewan (U of S), where he is a faculty member in the Dept of Veterinary Biomedical Sciences and on the Faculty of the Toxicology Centre. He was a Distinguished Visiting Prof. School of Biology, University of Hong Kong (2014-2018), Concurrent Prof. of Environmental Science at Nanjing University (2003-present), China, and Honorary Prof. of Biology at Hong Kong Baptist University, and a Guest Prof. at Xiamen University, China, Honorary Prof. State Key Laboratory of Environmental Criteria and Risk Assessment, Chinese Research Academy of Environmental Sciences, Beijing, China. He is an environmental toxicologist and chemist with interests in both the fates and effects of potentially toxic compounds and elements, particularly in the areas of ecological risk assessment, aquatic toxicology, wildlife and avian toxicology. He has conducted research into the movement, bioaccumulation, and effects of toxic substances at different levels of biological organization, ranging from biochemical to ecosystem. He has done extensive research in the areas of metal speciation, multispecies toxicity testing, biochemical indicators of stress in aquatic organisms, fate, and effects of PAHs, halogenated hydrocarbons, including chlorinated dibenzo-dioxins and -furans, PCBs and pesticides. In addition to his work in aquatic toxicology, Prof. Giesy has become world-famous for his wildlife toxicology studies, particularly in the area of endocrine-modulating compounds. In addition to his work as an ecologist and biochemical toxicologist, he has developed and applied both analytical and bio-analytical techniques to environmental issues. He discovered the phenomenon of photo-enhanced toxicity of organic compounds, such as PAHs. He was the first to discover perfluorinated compounds in the environment, an important new class of environmental contaminants. He has been active in the development and application of methods for the assessment of the toxicity of contaminated sediments, especially in the North American Great Lakes. He has received \$245,049,190 CAD from local, state, federal, and international agencies and organizations to conduct his research, which has resulted in the publication of **1455 books, book chapters, journal articles and has given 1,734 lectures worldwide**. Three times (1997 & 1999, 2002), a paper on which he was a co-author has been selected as the best paper published in *Environ. Toxicol. & Chem.* In 2001, a paper he co-authored on probabilistic risk assessments was selected as the best paper by *Human and Environmental Risk Assessment* and in 2012, one of his papers was the 2nd runner-up for best paper in *ES&T*. He has authored 5 and edited 11 books. Two of his books, *Microcosms in Ecological Research* and *Sediments: The Chemistry and Toxicology of In-Place Pollutants* have become classics. His research is widely used and cited by other researchers. He is in the *top 0.001% of active authors (ISI Current Contents)* and the most cited author in the world in the combined fields of Ecology and Environmental Sciences with an Hirsch (H) index of 154 (Google Scholar[®]: <http://scholar.google.com/citations?user=vt-PMP8AAAAJ&hl=en>) with over 109,220 citations. His i10 Index (number of papers cited more than 10 times) is 1197. His research has been featured in magazines and newspaper articles. Prof. Giesy is a member of many editorial boards and is the editor of the Environmental Toxicology and Risk Assessment section of *Chemosphere*. Prof. Giesy works frequently in Europe with many universities, research establishments, and governments. He has served on six National Academy of Sciences panels, including: 1) Endocrine Disruptors, 2) Remediation of PCB-Contaminated Sediments, and 3) Bioavailability of Residues from Sediments and Soils. Prof. Giesy served on the Boards of Scientific Councilors (BOSC) of the National Toxicology Program (NTP) of the National Institutes of Health (NIH) (2003-2006) and the US EPA Office of Research and Development (ORD) (Executive Committee) (2003-2010). He was a chartered member of the US EPA Science Advisory Board (SAB) (2008-2015). He was chairman of the Board of Scientific Review under the Canadian Environmental Protection Act, that reviews and arbitrates between regulators and the regulated communities when disagreements occur. Prof. Giesy has received many distinctions and awards, including, in 1990, he received the *Sigma Xi Meritorious Research Award*. In 1993, he received the title of *Distinguished Professor* from Michigan State University. Prof. Giesy is also the recipient of the *Chevron Distinguished Lectureship Award* for his research on the toxic effects of environmental contaminants on wildlife, the *CIBA-GEIGY Agricultural Recognition Award* for his work on microcosms and pesticides and the *Willard F. Shepard Award* from the *Michigan Water Pollution Control Association*. In 1994, Prof. Giesy received the prestigious *Vollenweider Medal for Aquatic Sciences* from the National Water Research Institute of Canada for his work on contaminants in the North American Great Lakes. In 1995, Prof. Giesy received the *Founders Award*, which is the highest award given by the *Society of Environmental Toxicology and Chemistry* for continued excellence in research and education. In 2002, he received the *SETAC/Menzie-Curra Environmental Education Award* for his many activities in environmental education, including his undergraduate and graduate training. Dr. Giesy was selected as the *International Man of the Year-Environmental Toxicology* in 1993 and received the *QUINTESENCE Award: Excellence in Environmental Contamination & Toxicology* for a paper published in 1994. He received the *Distinguished Alumni Award* from Alma College in 1996. In 2003, he received the *Sir E.W. Russell Award in the Sciences* from the British Soil Science Society. In 2009, he received the *Einstein Professor Award* from the Chinese Academy of Sciences. In 2010, he was elected to the National Academy of Sciences of Canada, Division of Earth, Ocean and Atmospheric Sciences, Discipline of Earth Sciences. He is a fellow of the Royal Society of Canada and the Royal Society of Chemistry, UK. In 2012, he was recognized with the Scientific Committee on Problems of the Environment (SCOPE) as the recipient of the *SCOPE-Zhongyu Environmental Sciences Life Achievements Award, Miroslaw Romanowski Medal of the Royal Society of Canada, University of Saskatchewan J.W. George Ivany Internationalization Award* and *Society of Environmental Toxicology and Chemistry Capacity-Building Award*. He is the recipient of the University of Saskatchewan *Distinguished Researcher Award* (2016). He was a member of the Boards of Directors of the *International Association for Sediment and Water Science* and the *International Association of Great Lakes Research*. Prof. Giesy was president of the Michigan State University chapter of *Sigma Xi*, the *Research Society* and received the *Researcher of the Year Award* in 1994. Prof. Giesy is a charter member and has served on the Board of Directors of the *Society of Environmental Toxicology and Chemistry (SETAC)* from 1986 until 1992, and as President of the Great Lakes Regional chapter in 1984 and President of the international SETAC organization in 1990-and 1991. He was Chairman of the Board of Directors of the *SETAC Foundation for Environmental Education* in 1992-93 and Vice President from 1993-2000. He is currently a SETAC Fellow. At Alma College, he has been a member of the Alumni Board and President of the Alumni Organization in 1995-96 and a member

of the board of Directors from 1994-97. In 2019 he received an ***Honorary Ph.D. Degree Doctor Honoris Causa in the field of Environmental Sciences***, conferred by Masaryk University, Czech Republic. Prof. Giesy is listed in 43 biographical listings, including: *Who's Who in Canada*, *Who's Who in America* and *Who's Who in the World*.

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