John P. Giesy

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.** He is also Chair Professor at Large of Biology & Chemistry, at City University of Hong Kong and Concurrent Professor of Environmental Science at Nanjing University, China and a Guest Professor at Xiamen University, China. He is a NIEHS Preceptor and member of the National Institutes of Health Faculty. Prof. Giesy considers him self an environmental toxicologist with interests in many aspects of this field, including both the fates and effects of potentially toxic compounds and elements, particularly in the area 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. Prof. Giesy 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 is a world-class environmental chemist, having 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. Currently, Prof. Giesy and his research group are actively studying the toxicity and reproductive effects of organic compounds, with special emphasis on herbicides, chlorinated dioxins and perfluorinated compounds. Studies are being conducted in the field and laboratory on fish, fish-eating birds and mammals in the Great Lakes region, including mink and raptors such as hawks and eagles and in marine mammals. Prof. Giesy is an expert in ecological risk assessments of both industrial and agricultural chemicals. Prof. Giesy 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. Prof. Giesy has received $77,239,086 from local, state, federal, and international agencies and organizations to conduct his research, which has resulted in the publication of **696 books and peer-reviewed articles** and **1,165 lectures, world-wide**. 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*. He has authored five books and edited six 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 much used and cited by other researchers--Prof Giesy is in the *top 0.01% of active authors* (*ISI Current Contents:* and was the 2nd most cited author in the field of Ecology/Environmental Science over the period 1997-2007 (In-Cites; http://www.in-cites.com/top/2007/first06-env.html). His *h*-score is 55 with 12,437 citations to the 460 papers considered. His research has been featured in a number of magazine and newspaper articles. Prof. Giesy is the 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 as a member of US EPA Science Advisory Boards and a member of 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 currently serves on the Boards of Scientific Councilors (BOSC) of the National Toxicology Program (NTP) of the National Institutes of Health (NIH) and the US EPA Office of Research and Development (ORD) (Executive Committee). Prof. Giesy has received a number of distinctions and awards including: In 1990 he was the recipient of 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 and *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 Assoc*. 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 Dr. 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*** from for his many activities in environmental education, including hi undergraduate and graduate training. Dr. Giesy was selected as the ***International Man of the Year-Environmental Toxicology*** in 1993 and received the ***QUINTESSENCE Award: Excellence in Environmental Contamination & Toxicology*** for a paper published in 1994. Prof. Giesy received the ***Distinguished Alumni Award*** from Alma College in 1996. In 2003 Prof. Giesy received the ***Sir E.W. Russell Award in the Sciences*** from the British Soil Science Society. In 2009 Prof. Giesy received the *Einstein Professor Award* from the Chinese Academy of Sciences. Prof. Giesy 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 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 of the international *SETAC* organization in 1990-1991. He was Chairman of the Board of Directors of the *SETAC Foundation for Environmental Education* in 1992-93 and Vice President from 1993-2000. Prof. Giesy is a major donor to and sponsor of Michigan State University and Alma College. 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. Prof. Giesy is listed in 39 biographical listings, including *Who's Who in America and Who's Who in the World.*

April 17, 2009