

Candidate for Treasurer-Elect

Dr. Kan Shao



Dr. Kan Shao is an Associate Professor of Environmental and Occupational Health at Indiana University School of Public Health, where he primarily works on human health risk assessment research and education. He received a dual Ph.D. degree in Civil & Environmental Engineering and Engineering & Public Policy from Carnegie Mellon University in 2011 and was a postdoctoral fellow at the National Center for Environmental Assessment at the US EPA from 2011 to 2014. Dr. Shao's research primarily focuses on advancing dose-response assessment methods to support chemical risk assessment. His major contributions to the field of quantitative chemical risk assessment include the development of the benchmark dose (BMD) methodology, the improvement of toxicological study design for BMD estimation, and various methods (especially Bayesian approaches) proposed to quantify different types of

uncertainties in dose-response modeling and to promote the framework of probabilistic risk assessment. Currently, he serves as the PI on several research projects funded by the US government, such as the National Institute of Health (NIH). His research work has been published in a number of high-impact journals, including *Environmental Health Perspectives*, *Environmental International*, and *Environmental Science & Technology*. His publications have been recognized by a few awards. Dr. Shao is also actively involved in a professional society. He is now an Associate Editor (i.e., Section Editor) of the journal *Drug and Chemical Toxicology*, and served as a reviewer for a number of government risk assessment reports, including the California EPA and US EPA. He is now the President-Elect of the American Association of Chinese in Toxicology (AACT) and also served as the Secretary/Treasurer of the Society of Toxicology (SOT) Risk Assessment Specialty Group from 2017 to 2019. Previously, he served as Vice-Chair, Chair, and Past-Chair for the SRA Dose-Response Specialty Group from 2012 to 2016 successively.