

SHORT BIO:

Prof. Dr. Ashok Vaseashta received a Ph.D. from the Virginia Polytechnic Institute and State University, Blacksburg, VA in 1990 followed by Kobe's post-doctoral fellowship. Currently, he is CEO/CTO and Executive Director for research with the International Clean Water Institute in Virginia, USA. He served as a Professor at Virginia Tech and Marshall University, Director of Research at the Institute for Advanced Sciences Convergence and International Clean Water Institute for Norwich University Applied Research Institutes, Vice-Provost (Rector) for Research in South Carolina, and Executive Director and Chair of the Institutional Review Board at a State University in New Jersey. His earlier honorary positions included being a Visiting Professor at the Riga Technical University, Latvia, 3 NanoSAE Research Centre, University of Bucharest, Romania, Transilvania University of Brasov, Romania, member of CIRET, France, and a Visiting Scientist at the Weizmann Institute of Science, Israel. He served the U.S. Department of State in two rotations, as a strategic S&T advisor in the Bureau of International Security and Nonproliferation, Office of Weapons of Mass Destruction and Terrorism, and U.S. diplomat. Inspired by nature and guided by societal necessities, he strives for technological innovations to address the global challenges of the 21st century. His research interests span nanotechnology, environmental/ecological science, heuristics, and critical infrastructure safety and security. His research interests span foresight, nanotechnology, environmental/ ecological science, green chemistry, and the environmental impact of micro/nano plastics - all using the nexus of advanced technological solution platforms. He is the author/editor of 20 books and has published over 350 articles in scientific journals, book chapters, and conferences. He serves on the editorial boards of several international journals and is an active member of various professional organizations.