

Bryan W. Brooks, Ph.D.

Distinguished Professor, Environmental Science and Biomedical Studies; Director of Environmental Health Science at Baylor University

Waco, TX, US

Dr. Brooks examines water quality, environmental health & contaminants, and sustainability issues, particularly in rapidly urbanizing areas.

Description

Dr. Brooks' interdisciplinary research interests broadly include understanding how anthropogenic activities and stressors interact with various levels of biological organization, particularly in rapidly urbanizing regions. He actively engaged in environmental toxicology and chemistry, environmental public health, and hazard and risk assessment studies on six continents. Dr. Brooks and his students focus current research on water quality and water reuse/recovery, comparative toxicology and pharmacology, applied ecology, sustainable molecular design, environmental chemistry and bioaccumulation, developing approaches to define risks of contaminants of historical and emerging concern, natural resource extraction and the ecology and toxicology of harmful algae blooms. This research contributes to developing science-based approaches to define and manage complex environmental and health issues.

Industry Expertise

Environmental Services, Fishery and Aquaculture, Renewables and Environmental, Sanitation and Waste Management, Chemicals, Health and Wellness, Consumer Goods, Education/Learning, Safety, Research, Laboratory Services

Topics

Contaminants of Emerging Concern, Harmful Algal Blooms, Urbanization, Sustainability Issues, Environmental Contaminants, Comparative Toxicology and Pharmacology, Water Quality and Water Reuse, Water Resources Research, Environmental Risk Assessment, Environmental Health, Biomedical Science, Environmental Science, Freshwater Sciences, Fisheries and Aquaculture

Affiliations

Editor-in-Chief, Environmental Management (Springer Nature), Editor, Environmental Toxicology and Chemistry (Wiley), Editor, Integrated Environmental Assessment and Management (Wiley)

Education

University of North Texas,
Ph.D. Environmental Science

University of Mississippi
M.S. Biological Sciences

Accomplishments

Leadership Award

Water Environment Federation
2016

Eugene Kenaga Membership Award

Society of Environmental Toxicology and Chemistry
2016

Presidential Citation for Exemplary Service

Society of Environmental Toxicology and Chemistry World Council
2016, 2015, 2013

Fulbright Visiting Research Chair in Water and the Environment

2014

Visiting Erskine Fellow, University of Canterbury, Christchurch, New Zealand

2014

Scientific and Technological Achievement Award

U.S. Environmental Protection Agency, Office of Research and Development. 2013, 2009

Fellow, Environmental Public Health Leadership Institute

U.S. , Centers for Disease Control and Prevention

Certificate of Merit

National Environmental Health Association

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