

# **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.

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## **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.

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## **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

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## **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

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## **Affiliations**

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

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## **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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