

**Dr. Bob (Babasaheb) Sonawane**  
**Senior Toxicologist/ Risk Assessor, USA**  
**Consulting Partner for TOXINDIA**

**Key Qualifications**

Dr. Bob has over 35 plus years' research and management experience in toxicology and pharmacology, and health risk (non-cancer and cancer) assessment of environmental agents. He is an author and/or co-author of over 100 publications and several book chapters in toxicology and pharmacology, children's environmental health and risk assessment of environmental chemicals. Dr. Bob was involved in providing leadership in coordinating and managing as well as contributing to development of several chemical health risk assessment of the US EPA's IRIS, PPRTV and other regulatory programs.

Dr. Bob conducted, directed and managed research in developing methods, models and tools, databases, health risk assessment guidelines to better characterize uncertainties in risk assessment of environmental agents. He has provided leadership and represented US EPA in over 20 plus countries, served as a liaison and contributed to several inter-and intra-agency committees, workgroups, strategic research planning groups and task forces related to toxicology and risk assessment issues, He was instrumental in the development of reproductive(1987) and developmental toxicity (1991) risk assessment guidelines, health risk assessment training courses, databases on physiological parameters for PBPK modeling across life stages of experimental animals and humans, ontogeny of xenobiotic metabolizing enzymes, approaches for incorporating pharmacokinetics in children's health risk assessment, dose-metric adjustments and scaling factors across life stages, aging and toxic response, biomarkers of exposure and effects in children, genetic polymorphisms and metabolism of xenobiotics, excretion of chemicals in breast milk, etc. Dr. Bob initiated, planned, organized, sponsored and/or participated in numerous scientific workshops, meetings and conferences actively promoting environmental health and risk assessment issues and challenges of environmental agents in several countries around the world.

Dr. Bob received numerous prestigious awards and honors, citations, certificates, Science and Technology Achievement and Special Act Awards for his exemplary research in toxicology and risk assessment of environmental agents. These include but not limited to Gold, Silver, Bronze Medals including "Joseph Seifter Memorial Award" for higher commitment to the scientific excellence and understanding of the public health impact of regulatory science. In 2016, Dr. Bob received the most "Distinguished Career Service Award" and the "Distinguished Service Citation" by the Administrator of US EPA. In 2016, he also received EPA's Bronze Medal for the Commendable Service-Human Health Risk Assessment National Program Team.

## EDUCATION

Ph.D., Univ. of Missouri, Columbia, Missouri, USA, 1971

M.S. with Honors, University of Pune, Pune, India, 1965

B.S. with Honors, University of Pune, Pune, India, 1962

## YEARS OF EXPERIENCE

35 plus

## PROFESSIONAL AFFILIATIONS

Member -Society of Toxicology

Member -Society of Risk Analysis

## AREAS OF EXPERIENCE

Toxicology/ Pharmacology

Human Health Risk Assessment of Xenobiotics

Children's Environmental Health and Pediatric Pharmacology

Pharmacokinetics

## Employment History

Toxicology and Risk Assessment Consulting Services, LLC (TRACS); Principal/ Partner; February 2016-present

Adjunct Professor, Department of Chemistry, Georgetown University, Washington DC, 2017-Present

U.S. Environmental Protection Agency (EPA), Office of Research and Development (ORD), National Center for Environmental Assessment (NCEA)-Washington Division, Effects Identification and Characterization Group, Washington, DC, Supervisory Interdisciplinary Toxicologist, 1995- 2015

U.S. EPA, ORD, Office of Health and Environmental Assessment, Human Health Assessment Group, Washington, DC, Chief, Reproductive and Developmental Toxicology Branch, 1990–1995

U.S. EPA, ORD, Office of Health and Environmental Assessment, Reproductive Effects Assessment Group, Washington, DC, Biologist, 1985–1990

Food and Drug Administration, Center for Veterinary Medicine, Division of Toxicology, Rockville, MD, Senior Staff Fellow, 1983–1985

University of Pennsylvania, School of Medicine and School of Veterinary Medicine, Philadelphia, PA, Research Assistant Professor of Pediatrics, Biochemistry and Animal Biology, 1976–1983

Children's Hospital of Philadelphia, Department of Pediatrics, Philadelphia, PA, Senior Research Associate, 1975–1976

National Institute of Environmental Health Sciences, Research Triangle Park, NC, NIH Post-Doctoral Fellow, 1972–1975

University of Missouri, School of Medicine, Columbia, MO, Research Specialist in Toxicology, 1971–1972

## Detail Assignments

Acting Director, U.S. EPA/ORD/NCEA, Washington DC. Oct. 1999-Feb. 2000

- Acting Deputy Director, Environmental Criteria and Assessment Office, Cincinnati, OH, April- July 1990
- Acting Branch Chief, U.S. EPA/ORD Office of Health and Environmental Assessment, Human Health Assessment Group, Reproductive and Developmental Toxicology Branch, Washington, DC; Sept.-Dec. 1989