

**JAMES R. COUGHLIN, Ph.D.**  
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**Consultants in Food/Nutritional/Chemical Toxicology and Safety**  
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**Academic Background:**

- Bachelor's Degree, Chemistry, Siena College, Loudonville, New York.
- Master's Degree, Food Science and Technology, University of California, Davis.
- Ph.D., Agricultural and Environmental Chemistry, University of California, Davis.
- Postdoctoral Fellowship, Environmental Toxicology, University of California, Davis.

**Industrial/Professional Experience:**

Dr. Coughlin has over 35 years experience in food/nutrition science and regulatory affairs; food, chemical and environmental toxicology and safety; chemical risk assessment; diet and cancer evaluations, especially coffee and meats; risk-benefit evaluation of foods and food ingredients; GRAS food additive safety evaluations; safety and benefits of functional foods; California Proposition 65; health effects of dietary nitrite and nitrate; safety of imported food ingredients and biotechnology-derived foods; food and environmental chemical analyses; naturally occurring food toxicants; antioxidants in foods and supplements; and scientific risk communication. He provides strategic scientific, toxicologic, nutritional, communications and regulatory counsel to many food, functional food, dietary supplement, chemical, and consumer products companies and their trade associations, law firms and public relations firms.

- Before undertaking his current role as a consultant in 1991, he spent ten years at General Foods Corp. and Kraft General Foods Inc. managing external toxicology, safety and regulatory affairs, including several years as Director of International Scientific Relations. Health and regulatory issues surrounding coffee/caffeine, processed meats, food additives and contaminants, pesticide residues, and environmental toxicants in drinking water and beverages were among his areas of expertise.
- In the early 1990's, he served as President of the Association for Science and Information on Coffee (ASIC), the Paris-based scientific society dedicated to improving worldwide research on coffee growing, processing, biotechnology, quality, health and safety. He is a frequently invited speaker at ASIC's international conferences and has been serving many years as a Member of the ASIC Board.
- He has been deeply involved in the assessment and management of California Proposition 65 requirements since the law's passage in 1986. He served for many years on the Editorial Advisory Board of *Prop 65 News* and the *Prop. 65 Clearinghouse* Advisory Board. Acrylamide and other heat-induced carcinogens in foods, as well as listed metals like lead and arsenic, have been among his key issues under Prop 65 in recent years.
- As a Professional Member of the Institute of Food Technologists (IFT), he has been elected three times as Chair of the Toxicology and Safety Evaluation Division and helped establish this division and the IFT's International Division. He served for six years on the IFT Expert Panel assisting the FDA in assessing food bioterrorism defense, and has continued to serve for many years as IFT's Codex Alimentarius Subject Expert on food contaminants. He is currently serving as an IFT Food Science Communicator and is a frequent symposium organizer and invited speaker for IFT.
- Dr. Coughlin served as Vice President of the International Society for Trace Element Research in Humans (ISTERH) and organized numerous ISTERH symposia. He also guided a decade-long scientific research program trying to establish the nutritional essentiality of boron and has developed his expertise on the risk assessment of essential elements as well as toxic elements like lead, arsenic and cadmium.

**Honors and Awards:**

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| 2009 | Fellow, Institute of Food Technologists.   |
| 2003 | U.S. FDA/CFSAN Director's Special Citation, IFT Bioterrorism Threat Assessment Group.  |
| 2000 | American Meat Institute, Industry Advancement Award for Sodium Nitrite Safety Defense. |
| 1991 | Medal of Honor, Association for Science and Information on Coffee.                     |