

HUQIU ZHANG, PH.D.

EDUCATION

Ph.D. – Organic Chemistry, University of Tennessee, Knoxville, 1995

M.S. – Chemistry, Fudan University, Shanghai, China, 1987

B.S. – Chemistry, Fudan University, Shanghai, China, 1984

CERTIFICATIONS AND AFFILIATIONS

Six Sigma Green Belt, General Electric Company

Society of Plastics Industry (SPI) China Work Group

Food, Drug, and Cosmetics Packaging Materials Committee – Chair 2012 to 2013, Executive Board Member 2006 to 2009

International Subcommittee – Chair 2008 to 2009

EMPLOYMENT HISTORY

2023 to present – Sevee & Maher Engineers, Inc., Park Ridge, Principal and Senior Chemist

2020 to 2023 – Sevee & Maher Engineers, Inc., Park Ridge, IL, Senior Chemist

2013 to 2020 – Intertek, Arlington Heights, IL, Vice President - Chemical Management

2010 to 2013 – The Coca-Cola Company, Atlanta, GA, Director - Packaging, Scientific and Regulatory Affairs

2009 to 2010 – BASF Corporation, Florham Park, NJ, Product Steward - Senior III

2008 to 2009 – Ciba Corporation (acquired by BASF in 2009), Tarrytown, NY, Head of Regulatory Services, NAFTA

1995 to 2008 – GE Plastics (Acquired by SABIC in 2007), Selkirk, NY, Program Manager of Product Stewardship

1990 to 1995 – University of Tennessee, Chemistry Department, Knoxville, TN – Research Assistant and Teaching Assistant

1987 to 1989 – Fudan University, Shanghai, China, University Lecturer

PROFESSIONAL EXPERIENCE

Based in Chicago, IL, Dr. Zhang is an SME principal with over 28 years of international experience in regulatory compliance for consumer product chemical safety, food contact, and food packaging. She is recognized internationally for advanced expertise in regulations and approvals, process improvement, and scientific and regulatory affairs, including sustainability and Extended Producer Responsibility (EPR).

Dr. Zhang specializes in global food contact regulatory compliance assessments, new materials regulatory approvals, optimizing chemical testing programs, applying best analytical methods, and implementing chemical controls and Good Manufacturing Practices (GMP) in the manufacturing process. She applies exceptional problem-solving and communication skills to simplify complex regulatory compliance issues or scientific chemistry problems.

Her product stewardship expertise covers the entire supply chain of consumer products and food and food packaging, including chemical manufacturing, material manufacturing and compounding, consumer product manufacturing, and recycling of plastics and paper for food packaging.

Dr. Zhang has advanced expertise in GMP, manufacturing quality control, chemical management strategy, supply chain management, product global regulatory compliance, chemical hazard identification, and exposure evaluation or risk assessment.

Dr. Zhang has in-depth knowledge and understanding of global regulatory environments, particularly in the United States, the European Union, and China. She played a critical role in opening a communication channel between the U.S. Food and Drug Administration and its counterpart in China, and in building collaborative relationships between regulatory agencies and industry associations.

Examples of her professional accomplishments include:

- Led the chemical consulting, testing, inspection, and certification solutions and services for consumer product, food contact product and food packaging industries and plastic/paper recycling materials safety and global regulatory compliance, including risk and compliance assessments, compliance testing, and new food contact material global regularity clearance.
- Directed the corporate Scientific & Regulatory Affairs Packaging Program for a leading global beverage manufacturer/retailer, which encompassed packaging materials approvals, safety assessment, global food regulatory compliance, risk management, and regulatory advocacy.
- Managed the Chemical Intermediates Business product stewardship program for one of the world's largest chemicals producers. The role involved oversight of product safety, compliance with TSCA (Toxic Substances Control Act), REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), CEPA (Center for European Policy Analysis), U.S. FDA, and FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) regulatory requirements. Led sustainability program efforts.
- Oversaw regulatory service teams in the chemical and material product registration, product stewardship of internal chemical products, and delivery of third-party client regulatory consulting projects.

PRESENTATIONS/PUBLICATIONS/SCIENTIFIC PEER REVIEW ACTIVITIES

Dr. Zhang is a long-standing contributor to the Journal of Plastic Film & Sheeting.

She has frequently been invited to speak as an industry expert at professional conferences, including the following:

- Global Food Contact Conference, Smithers, May 23-24, 2024
- International Molded Fiber Association 25th Annual Conference, International Molded Fiber Association, October 4-6, 2023
- "Hazard Analysis and Risk Assessment in Food Contact," conference, Italian Institute of Packaging, March 30-31, 2022

- International Conference on Food Contact Compliance, Italian Institute of Packaging, September 29-30, 2021
- "Asia-Pacific Food Contact Legislation" seminar, Italian Institute of Packaging, July 29-30, 2020
- "Food Contact Material/Article Safety and Compliance Seminar," Intertek, October 10-11, 2019, Istanbul, Turkey
- "Asian-Pacific Food Contact Legislation," Istituto Italiano, May 16-17, 2019, Brussels, Belgium
- Food Packaging Conference, German Association for Plastic Packaging & Film, May 14-15, 2019, Bad Homburg, Germany
- "Regulatory Market Access," FlexPackCon, October 28-31, 2018, Phoenix, Arizona, USA
- "Food Contact Regulations Europe," Chemical Watch, May 3-4, 2018, Brussels, Belgium
- "Multilayer Flexible Packaging," AMI, April 10-11, 2018, Chicago, Illinois, USA
- "Food Contact Regulations USA," Chemical Watch, March 8-9, 2018, Washington, DC, USA

Dr. Zhang has co-authored a number of peer-reviewed journal articles.

Adcock, James and Huqiu Zhang. "Highly Fluorinated Adamantanols: Synthesis, Acidities, and Reactivities." *The Journal of Organic Chemistry*, Vol 61, July 26, 1996.

Adcock, James and Huqiu Zhang. "Perfluorinated Stellanones: The Synthesis of Perfluorinated Bisnoradamantane. Long-Range ^{19}F NMR Virtual Coupling." *The Journal of Organic Chemistry*, Vol 61, March 22, 1996.

Kaseli, Mira, James Adcock, Huimin Luo, Huqiu Zhang, Haifang Li, and William Noble. "Onset on Anh Hyperconjugation in the Transition State of Carbonyl Addition by Deactivation of Periplanar Vicinal Bonds" *Journal of the American Chemical Society*, Vol 117, July 1, 1995.

Adcock, James and Huqiu Zhang. "Polarized C-H Groups as Novel Hydrogen-Bond Donors in Hydryl-F-Alkyl Esters: Unequivocal Examples of the Pinchas Effect" *The Journal of Organic Chemistry* Vol 60, April 1, 1995.

Yao, Zipeng and Huqiu Zhang. "Synthesis of n- (2-chloroethyl) -aromatic aldimine and its reaction with sodium alkoxide." *Journal of Fudan University*, Vol 1, 1989.