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Biography

Junho Jeon

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Professor Junho Jeon, Ph.D., has built a career at the intersection of environmental toxicology and chemistry. His work spans continents and disciplines, pushing the boundaries of our knowledge about the environmental fate of trace organic chemicals. Junho Jeon's academic journey began at the Gwangju Institute of Science and Technology (GIST) in South Korea, where he earned his Ph.D. in Environmental Toxicology and Chemistry. His research laid a robust foundation in understanding the complex interactions between chemicals and biological systems. This early phase of his career was marked by a keen interest in how pollutants affect aquatic life, setting the stage for his future endeavors. For a postdoctoral career, he moved to Switzerland and worked as a scientist in the Department of Environmental Chemistry at the Swiss Federal Institute of Aquatic Science and Technology (Eawag). At Eawag, he delved into the bioaccumulation and biotransformation of trace organic chemicals in aquatic organisms. A significant achievement during this period was the development of a non-target screening (NTS) method using liquid chromatography-high resolution mass spectrometry (LC-HRMS) to identify and analyze metabolites. Upon returning to Korea, Dr. Jeon applied his expertise as a senior researcher at the National Institute of Chemical Safety. His role involved critical work on chemical safety protocols and environmental monitoring. This experience paved the way for his academic career at Changwon National University. In September 2014, he joined the Department of Environmental Engineering as an assistant professor. Since then, he has been a pivotal figure in advancing research on the fate of chemicals in the environment, with a focus on bioaccumulation and the identification of emerging pollutants and their transformation

products. Recently, he developed an analytical method to identify and quantify residual substances in marine products. His findings have uncovered a range of emerging contaminants in seafood, highlighting the ongoing challenges in environmental pollution and food safety. This work not only advances scientific understanding but also has significant implications for public health and regulatory policies. Beyond his research, Professor Jeon actively contributes to the scientific community. He is an editorial board member of *Scientific Reports*. His commitment extends to several domestic societies, including *Korean Society of Environmental Analysis*, *Korean Society of Environmental Toxicology and Health*, and *Korean Society of Environmental Engineers*.