

Dr. Julie Beth Zimmerman is an internationally recognized engineer whose work is focused on advancing innovations in sustainable technologies. Dr. Zimmerman holds joint appointments as a Professor in the Department of Chemical and Environmental Engineering and School of Forestry and Environmental Studies at Yale University. She also serves at the Senior Associate Dean for Academic Affairs at the Environment School. Her pioneering work established the fundamental framework for her field with her seminal publications on the “Twelve Principles of Green Engineering” in 2003. The framework is guiding the innovation of products and processes in academia and industry including her own research group on topics that include breakthroughs for the integrated biorefinery, designing safer chemicals and materials, novel materials for water purification, and analyses of the water-energy nexus. In addition, Dr. Zimmerman is an Associate Editor of the journal, Environmental Science and Technology and is a Member of the Connecticut Academy of Sciences.

Prior to coming to Yale University, Dr. Zimmerman was a program manager at the U.S. Environmental Protection Agency where she established the national sustainable design competition, P3 (People, Prosperity, and Planet) Award, which has engaged thousands of students from hundreds of universities across the U.S. since its inception in 2004. Professor Zimmerman is the co-author of the textbook, Environmental Engineering: Fundamentals, Sustainability, Design that is used in the engineering programs at leading universities domestically and abroad. Julie Zimmerman has assisted many of the Fortune 100 Companies in developing innovation strategies based on the principles of sustainability, green chemistry and green engineering through her consulting company Sustainability A to Z, LLC.

Dr. Zimmerman earned her B.S. from the University of Virginia and her Ph.D. from the University of Michigan jointly from the School of Engineering and the School of Natural Resources and Environment.