ABSTRACT:
Agriculture is the foundation of civilization. The prevention of hunger, food security, enabled the growth of cities; cities led to nations, and nations discovered the science and technology that allowed our numbers to grow. But agriculture comes with costs including deforestation, environmental destruction, and emerging diseases. Meeting the growing world population’s demand for food, especially meat, while ensuring global health and sustainability in an era of climate change is one of the great challenges of the 21st century.

One Health is the concept that human, animal, and environmental health are linked. This concept can serve as a framework to analyze the interrelationships between food security, the environment, and emerging diseases. Approximately 75 percent of newly emerging diseases come from animals, called “zoonoses.” Mosquito-borne zoonoses, such as West Nile virus and Zika virus, exemplify the importance of implementing a One Health approach to interdisciplinary threats. One Health is being embraced worldwide.

BIOGRAPHY:
In April 2006, she published Confronting Zoonoses, Linking Human and Veterinary Medicine in the Center for Disease Control and Prevention's (CDC) Journal of Emerging Infectious Diseases. That publication helped launch the One Health Initiative (http://www.onehealthinitiative.com) that seeks to improve the health of all species by increasing communication and collaboration between human, animal, and environmental health specialists. She is the author of “Who’s in Charge? Leadership during epidemics, bioterror attacks, and other public health crises” published in 2009 by Praeger Security International. She writes online columns for the Bulletin of the Atomic Scientists, and has published in many peer-reviewed journals. Her second book, One Health and the Politics of Antimicrobial Resistance, was published in June 2016 by Johns Hopkins University Press. Princeton University awarded her course, “Hogs, Bats, and Ebola: An Introduction to One Health policy,” with a 250th Anniversary Fund for Innovation in Undergraduate Education.

A native of California, Dr. Kahn holds a B.S. degree in Nursing from UCLA, an M.D. from Mt. Sinai School of Medicine, a Master's degree in Public Health from Columbia University and a Master's degree in Public Policy from Princeton University. Dr. Kahn is a fellow of the American College of Physicians (ACP) and is a recipient of the New Jersey Chapter’s Laureate Award. In 2014, she received a Presidential Award for Meritorious Service from the American Association of Public Health Physicians, and in 2016, the American Veterinary Epidemiology Society (AVES) awarded her with their highest honor for her work in One Health: the K.F. Meyer-James H. Steele Gold Head Cane Award.