



Dr. Akira Mizuno was born in Aichi, Japan, in 1951. He received the B.S. degree in electrical engineering from Nagoya University, Nagoya, Japan, in 1973, and the M.S. and Ph.D. degrees in electrical engineering from the University of Tokyo, Tokyo, Japan, in 1975 and 1978, respectively. Between 1978 and 1981, he was with Ishikawajima-Harima Heavy Industries Company, Ltd., Tokyo. From 1982 to 1984, he was a Visiting Research Fellow with the Department of Physics, Florida State University, Tallahassee, FL, USA, where he was involved in a project involving electron beam charging and precipitation of aerosol and industrial dusts. From 1981 and 2003, he was with Toyohashi University of Technology, Toyohashi, Japan, where he became a Professor with the Department of Ecological Engineering in 1994. From 2002 to 2005, he was concurrently a Professor with the Department of Electrical Engineering, University of Tokyo. From 2003 to 2004, he was a Professor with the Institute for Molecular Research, Okazaki National Institutes, Okazaki, Japan. Since 2004, he has been with Toyohashi University of Technology, where he is currently a Professor with the Department of Environmental and Life Sciences. His current research interests include applied electrostatics and high-voltage engineering, which includes electrostatic precipitation, particle charging, plasma sterilization, methanol synthesis, and environmental technologies, especially in charge of several projects developing new methods of manipulating single-deoxyribonucleic-acid molecules. Prof. Mizuno is a member of the Institute of Electrostatics Japan, the Institute of Electrical Engineers of Japan, the Japan Association of Aerosol Science and Technology, the Society of Chemical Engineers Japan, the Japan Society of Applied Physics, and the Japan Society of Plasma Science and Nuclear Fusion Research. He is the Editor of the International Journal of Plasma Environmental Science and Technology.