

## BIOGRAPHICAL SKETCH: MENACHEM ELIMELECH

Menachem Elimelech is the Roberto Goizueta Professor of Chemical and Environmental Engineering at Yale University, and is the founder and current Director of the Environmental Engineering Program. Professor Elimelech received his B.S. and M.S. degrees from the Hebrew University in Jerusalem and his Ph.D. from Johns Hopkins University in 1989 in Environmental Engineering. In the Fall of 1996, he was a Visiting Associate at the California Institute of Technology (Environmental Engineering Science) and later (Spring and Summer 1997) a Guest Professor at the Swiss Federal Institute of Technology (ETH). In the Summer of 2002, he was the Exxon-Mobil Chair Professor at the National University of Singapore. Professor research interests center on problems involving physicochemical and biophysical processes in aquatic systems, including (1) environmental applications and implications of nanomaterials, (2) membrane separations for desalination and water quality control, (3) microbial transport and adhesion, (4) engineered osmosis for sustainable production of water and power, and (5) water and sanitation in developing countries. Professor Elimelech was the recipient of the 2005 Athalie Richardson Irvine Clarke Prize for excellence in water research and was elected to the National Academy of Engineering in 2006 “*for contributions to the theory and practice of advanced filtration technologies for the treatment and reuse of potable water*”. Professor Elimelech other awards include the W.M. Keck Foundation, Engineering Teaching Excellence Award in 1994; the American Society of Civil Engineers, Walter L. Huber Civil Engineering Research Prize in 1996; the 2002 Best Paper Award from the Association of Environmental Engineering and Science Professors (AEESP); an Excellence in Review Award from *Environmental Science & Technology* in 2004; a Yale University Graduate Mentor Award in 2004; the AEESP Frontier Award in Research in 2006; election to the Connecticut Academy of Sciences in 2006; and the 2008 American Institute of Chemical Engineers Lawrence K. Cecil Award in Environmental Chemical Engineering. Professor Elimelech serves on the Editorial Advisory Boards of *Colloids and Surfaces A, Desalination, Environmental Engineering Science, Langmuir*, and *Separation Science and Technology*.