

## **BIOGRAPHICAL SKETCH: MENACHEM ELIMELECH**

Menachem Elimelech is the Roberto Goizueta Professor of Chemical and Environmental Engineering at Yale University. 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. From 2009 to 2013 he was a World Class University Professor at Korea University in Seoul, Korea.

Professor Elimelech's research is in the general area of physical and chemical processes at the water-energy nexus. Specifically, the research in his group involves: (i) engineered osmosis for sustainable production of water and power, (ii) environmental applications and implications of nanomaterials, (iii) membrane separations for desalination and water reuse, and (iv) 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. 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; the 2008 American Institute of Chemical Engineers Lawrence K. Cecil Award in Environmental Chemical Engineering; World Class University Professorship at Korea University in 2009; the Yale University Liza Cariaga-Lo Faculty Award for Diversity in Scholarship and Service in 2010; the American Society of Civil Engineers Simon Freese Award and Lecture in 2011; American Water Work Association (AWWA) First Place Best Doctoral Dissertation Award in 2012 (Doctoral Student Meagan Mauter); Yale University Postdoctoral Mentoring Prize in 2012; Association of Environmental Engineering and Science Professors (AEESP) Outstanding Paper Award in 2012 (with Amy E. Childress); the Charles R. O'Melia Distinguished Educator Award, Association of Environmental Engineering and Science Professors in 2014; the Thomson Reuters Highly Cited Researcher in 2014 (Environment/Ecology) and in 2015 (Chemistry), the Chinese Academy of Sciences Distinguished Scholar (formerly known as "Einstein Professorship") in 2015, and the Eni Prize for 'Protection of the Environment' in 2015.