

## Isao Noda

### Biography



Isao Noda was born in Tokyo, Japan. He came to the United States in 1969 and was graduated from Columbia University in the City of New York in 1974 with B.S. degree in chemical engineering. He also received his M.S. in bioengineering (1976), as well as M.Phil. (1978) and Ph.D. (1979) in chemical engineering from Columbia. In 1997 he received D.Sc. degree in chemistry from the University of Tokyo. After retiring from the Procter and Gamble Company in 2012, he became an Affiliated Professor at the Department of Materials Science and Engineering, University of Delaware and also holds a position of Senior Vice President of Innovation at MHG, Inc. in Bainbridge, GA. His research interest is in the broad area of polymer science and spectroscopy. He is well known for the development

novel class of bio-based biodegradable plastics and also a versatile analytical technique called two-dimensional infrared (2D IR) correlation spectroscopy. He is a recipient of the 1991 William F. Meggers Award from the Society for Applied Spectroscopy and the 2002 Williams-Wright Award from the Coblenz Society. He was selected as the 2005 Chemist of the Year by the Cincinnati Section of the American Chemical Society. He received the International Academic Cooperation and Exchange Medal in 2008 from the Chinese Chemical Society and Chinese Optical Society, the New York State Society for Applied Spectroscopy's Gold Medal in 2009, the 2011 Bomem-Mechelson Award from the Coblenz Society, and the 2011 Ellis R. Lippincott Award jointly from the Optical Society of America, the Society for Applied Spectroscopy and the Coblenz Society. He became a Fellow in 2011 and Honorary Member in 2013 of the Society for Applied Spectroscopy and a Fellow of the Optical Society of America in 2012.

### Selected Publications

1. I. Noda, P.R. Green, M.M. Satkowski, and L.A. Schechtman, "Preparation and properties of a novel class of polyhydroxyalkanoate copolymers," *Biomacromolecules*, **6**(2), 580-586 (2005).
2. I. Noda and Y. Ozaki, *Two-Dimensional Correlation Spectroscopy — Applications in Vibrational and Optical Spectroscopy*, Wiley: Chichester, UK, 2004.
3. I. Noda, "A generalized two-dimensional correlation method applicable to infrared, Raman, and other types of spectroscopy," *Appl. Spectrosc.*, **47**(9), 1329-36 (1993).
4. I. Noda, "Latex Elastomer with a Permanently Hydrophilic Surface," *Nature*, **350**(6314), 143-144 (1991).
5. I. Noda, "Two-dimensional infrared (2D IR) spectroscopy," *J. Am. Chem. Soc.*, **111**(21), 8116-8118, (1989).