

Biography

Susan Olesik received her A.S. from Vincennes University B.A. from DePauw University in 1977 and her Ph.D. in 1982 from the University of Wisconsin-Madison, under the auspices of James W. Taylor in analytical mass spectrometry. She was a postdoctoral fellow for analytical separation science with Milos Novotny at Indiana University from 1982-1984 and on gas phase ion chemistry with Tomas Baer at University of North Carolina-Chapel Hill from 1984-1986. She has been a faculty member at The Ohio State University since 1986, being promoted to Associate Professor in 1992 and Professor in 1997. Her awards include: 2021 Analytical Scientist - 100 Most Influential Analytical Chemists, 2020 Ohio State University Distinguished University Professor, 2020 Eastern Analytical Symposium Award for Outstanding Achievements in the Fields of Analytical Chemistry, 2019 Analytical Scientist-Top 20 Most Influential Analytical Chemists, 2017 Analytical Scientist-Top 10 Analytical Mentor, 2016 OSU President's and Provost's Council on Women –Glass Breaker's Award, 2014 American Chemical Society (ACS) Helen M Free Award for Public Outreach, 2014 ACS Award in Chromatography, 2012 AAAS Fellow, 2010 OSU College of Engineering - Building Bridges Excellence Award, 2009 ACS Fellow, 2008 ACS National Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences; 2008 Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences; 2006 OSU Alumni Association Heinlen Award; 2005 Columbus Technical Council (CTC) Technical Person of the Year; 2004 ACS Columbus Section Award for Outstanding Achievement & Promotion of Chemical Sciences; 2000 AWISCO Woman in Science Award; and a commendation from NASA for contributing a GC column to Cassini-Huygen's probe. She is most known for research in three areas of separation science — Enhanced-fluidity Liquid Chromatography (EFLC), development of carbon stationary phases and design of nanoscale materials for chromatographic as well as mass spectrometric applications. Recent areas of study include studies of biologically relevant compounds and improving in efficiency in separation science and ionization efficiency in surface assisted laser desorption ionization (SALDI) using nanoparticle and nanofiber arrays and devices.