Biographical Sketch
Vicki H. Grassian
University of California San Diego

Vicki H. Grassian received her B.S. degree in Chemistry from the State University of New York at Albany. From there, she did her graduate studies at Rensselaer Polytechnic Institute (M.S., 1982) and the University of California-Berkeley (Ph.D., 1987). Following postdoctoral positions, she began her independent academic career at the University of Iowa as an Assistant Professor. At Iowa, Professor Grassian rose through the academic ranks and in 2010 was name the F. Wendell Miller Professor of Chemistry in the Department of Chemistry with appointments in the Departments of Chemical and Biochemical Engineering and Occupational and Environmental Health. She was also the appointed the Founding Director of the newly formed Nanoscience and Nanotechnology Institute by the Vice President for Research, a position she held for a decade and directed the Nanotoxicology Core of the NIEHS-funded Environmental Health Sciences Research Center in the College of Public Health. In 2013, Professor Grassian became co-Director of the Center for Aerosol Impacts on Chemistry of the Environment (CAICE) a multi-institutional NSF-Chemical Center of Innovation headquartered at the University of California San Diego (UC San Diego) campus. In January 2016, she joined the faculty at UC San Diego as Distinguished Professor with appointments in the Departments of Chemistry and Biochemistry, Nanoengineering and Scripps Institution of Oceanography and holds the Distinguished Chair of Physical Chemistry within the Department of Chemistry and Biochemistry. In August 2016, she was appointed Associate Dean of Physical Sciences at UC San Diego and in January 2018 became Executive Associate Dean of Physical Sciences.

Professor Grassian's research focuses on the chemistry and impacts of environmental interfaces. Her work falls under areas such as environmental molecular surface science including indoor surfaces, heterogeneous atmospheric chemistry, climate impact of atmospheric aerosols, and environmental and health aspects of nanoscience and nanotechnology. She has mentored over one hundred students in her laboratory during her career including thirty-two students who have received their PhDs under her guidance. Two of her Ph.D. students received distinguished dissertation awards. Many of her students and postdocs have gone on to develop research programs on environmental interfaces at national laboratories and academic institutions around the world.

She has given over 220 invited talks and presentations on her research including 2018 Florida State University – Hoffmann Lecture, 2017 TEDx San Diego, 2016 Indoor Air Conference Plenary Lecturer, 2015 Goldschmidt Conference Silver Anniversary Plenary Lecturer, 2012 Hascoe Distinguished Lecture at the University of Connecticut, and keynote speaker for the 2012 Dorothy Crowfoot-Hodgkin Symposium at the University of Zurich. She has published over 300 peer-reviewed publications and 16 book chapters. She has edited three books including *Environmental Catalysis* published by CRC press (2005) and *Nanoscience and Nanotechnology: Environmental and Health Impacts* published by John Wiley & Sons (2008).

Professor Grassian is also the recipient of several national and international awards for her research. In 2018, she received the American Institute of Chemists Chemical Pioneer Award for her significant contributions to the area of heterogeneous atmospheric chemistry and the emerging area of the environmental and health effects of nanomaterials. In the same year, she received the ACS Award for Incorporation of Sustainability into Chemistry Education for her leadership in articulating the roles of both chemistry research and chemical education in sustainability. In 2014, she was awarded the Royal Society of Chemistry John Jeyes Award for her pioneering contributions to the chemistry of environmental interfaces, heterogeneous atmospheric chemistry and the environmental implications of nanomaterials. She also received the ACS Midwest Award in 2014 which recognizes a scientist in the midwest region who has made meritorious contributions to the advancement of pure or applied chemistry, chemical education, and the profession of chemistry. In 2012, she received the National ACS Award for Creative Advances in Environmental Science and Technology for her original and creative contributions in understanding mineral dust aerosol through laboratory studies and their impact on atmospheric chemistry and climate.