

Biography

Angela K. Wilson

Angela K. Wilson is the John A. Hannah Distinguished Professor of Chemistry at Michigan State University (MSU). She is also the Associate Dean for Strategic Initiatives in the MSU College of Natural Sciences and the Director of the MSU Center for Quantum Computing, Science, and Engineering (MSU-Q). From 2016-2018, she served as the Director (head) of the Division of Chemistry at the U.S. National Science Foundation (NSF). At NSF, she led the strategic direction and national funding priorities in chemistry for NSF. Prior to this, she served as Regents Professor and the Associate Vice Provost for Faculty and head of UNT's Office of Faculty Success and was the founder and director of the Texas Center for Advanced Scientific Computing and Modeling (CASCaM). In the AVP role, she led the development of a broad range of DEIR policies, practices, and initiatives.

Among Angela's national and international honors are Fellow of the American Chemical Society, Fellow of the American Physical Society, Fellow of the American Association for the Advancement of Science, Francis P. Garvan-John M. Olin Medal, International Union of Pure and Applied Chemistry (IUPAC) Distinguished Woman in Chemistry, the Wilfred T. Doherty Award, and the 2023 Iota Sigma Pi National Honorary Award. In 2018, she was inducted into the Michigan Women's Hall of Fame. She is on the editorial advisory board of the *Journal of Physical Chemistry* and *Cell Reports Physical Chemistry*, as well as the editorial board of *Scientific Reports*. For five years, she served as editor of the Elsevier journal *Computational and Theoretical Chemistry* (formerly *THEOCHEM*). She has edited six books including "*Pioneers of Quantum Chemistry*".

Angela has served as President of the Division of Physical and Biophysical Chemistry of the International Union of Pure and Applied Chemistry (IUPAC), Chair of the Chemistry Section of the American Association for the Advancement of Science (AAAS), and as the 2022 President of the American Chemical Society, the world's largest scientific society.

Angela's physical (computational and theoretical) chemistry research spans quantum mechanical and quantum dynamical method development, transition metal and heavy element chemistry, drug discovery, environmental chemistry, catalysis, thermodynamics, and sustainability. Her computational chemistry methodologies are utilized worldwide.

Angela has been a speaker and writer on Diversity, Equity, Inclusion and Respect (DEIR) topics for over two decades on topics including workplace climate, strategies for success, pathways, negotiation, critical conversations, imposter syndrome and DEIR strategies for leaders.

Angela earned her Ph.D. in chemical physics from the University of Minnesota and B.S. in chemistry from Eastern Washington University. She was a postdoctoral fellow at Pacific Northwest National Laboratory.