WINTER LEADERSHIP WORKSHOP

DECEMBER 7 – 10, 2019
WASHINGTON, DC

SPEAKER
BIOGRAPHIES
DAVID BALTENSPERGER

Crop Science Society of America, Texas A&M University

Dr. David Baltensperger began his role as Professor and Department Head of Soil and Crop Sciences in October 2005 and recently completed serving his role as Interim Department Head for Ecosystem Science and Management.

Baltensperger provides leadership and administration for a large comprehensive program of research, teaching and extension in the Department of Soil and Crop Sciences. The department is widely recognized for its quality, size, and diversity of subject matter areas. Nationally and internationally recognized research programs are conducted by Soil and Crop Sciences Faculty in such disciplines as plant breeding and genetics, biotechnology, crop physiology, agronomy, forage and turfgrass management, cereal chemistry, soil science, weed science, and environmental soil, water and crop science.

Baltensperger earned his bachelor’s in 1976 in Biology from Nebraska Wesleyan University and master’s in 1978 in Agronomy from University of Nebraska. He received his doctorate from New Mexico State University in 1980.

Baltensperger comes to Texas A&M AgriLife Research and Extension from the University of Nebraska where he worked for 17 years as a plant breeder developing and co-developing crops that are grown on more than 2 million acres. Prior to Nebraska he worked as a legume breeder at the University of Florida for 9 years. Baltensperger received the Texas A&M College of Agriculture Outstanding Administrator in 2012 and New Mexico State Plant and Environmental Science Department Outstanding Alumni. Baltensperger is a Fellow in Crop Science Society of America, American Society of Agronomy and American Association for the Advancement of Science. He currently serves as President of the Crop Science Society of America, Chairman of the State Seed and Plant Board, Chair of Texas A&M Chapter of Gamma Sigma Delta and on numerous national boards and committees.

DANIEL CORREA

Day One Project Lead, Federation of American Scientists (FAS)

Daniel Correa is the director of the Day One Project. Prior to founding Day One, Correa helped shape science and technology policy for the Obama Administration for nearly four years, serving as Assistant Director for Innovation Policy at the White House Office of Science and Technology Policy. At the White House, Correa developed the Administration’s innovation strategy and led government-wide science and technology initiatives that invested hundreds of millions of dollars in government innovation, R&D commercialization, smart cities, entrepreneurship, and more.

Prior to joining the White House, Correa led development of technology, entrepreneurship, and innovation policy at the Information Technology and Innovation Foundation, a Washington, D.C. think tank. He has also held the position of Kauffman Fellow in Law, Economics and Entrepreneurship at Yale Law School. He received a law degree from Yale Law School, a masters degree in economics from Yale University, and a bachelor’s degree from Dartmouth College.
JOHN A. DOWNING

Director and Professor, Minnesota Sea Grant College Program and Dept. of Biology Swenson College of Science and Engineering

John Downing is Director of Minnesota Sea Grant College Program, and a past-president of the Association for the Sciences of Limnology and Oceanography (ASLO). As a past Chair of the CSSP Executive Board he participated in visits to Congress on behalf of CSSP and as a member of the Consortium of Aquatic Science Societies. He was a Regent’s Excellence Professor of Ecology, Evolution, and Organismal Biology, and the Department of Agricultural and Biosystems Engineering at Iowa State University. He is Chair of the Environmental Science Graduate Program. He is also an adjunct professor at Itasca Community College where he is helping create a water quality technology program to provide employment opportunities to students in an economically depressed region. His research interests include limnology, aquatic ecology, terrestrial ecology, microbial ecology, biogeochemistry, population conservation, and whole ecosystem restoration and management. He has advised many policy-makers and citizens groups concerning water resources, global change, and global carbon cycling as well as science policy, and science education, and is a frequent consultant to firms and boards regionally, nationally, and internationally. He was formerly a professor at McGill University and the University of Montreal where he was Director of the Laurentian Biological Station and Chair of the Natural Sciences and Engineering Research Council panel on Environment, Evolution & Ecology.

KELVIN DROEGEMEIER

Director, White House Office of Science and Technology Policy

As Director of The White House Office of Science and Technology Policy (OSTP), Dr. Kelvin K. Droegemeier serves as presidential science advisor and leads OSTP in its coordination of science and technology initiatives across the Federal Government. Kelvin’s background is in extreme weather, numerical weather prediction, and data assimilation.

Before joining The White House, Kelvin served as Vice President for Research and Regents’ Professor of Meteorology at the University of Oklahoma. He also co-founded, directed, and led the National Science Foundation (NSF) Science and Technology Center for Analysis and Prediction of Storms (CAPS) and served as co-founder and Deputy Director of the NSF Engineering Research Center for Collaborative Adaptive Sense of the Atmosphere (CASA).

Kelvin served two six-year terms on the National Science Board (NSF), including the last four years as Vice-Chairman, having been nominated by Presidents George W. Bush and Barack Obama and twice confirmed by the United States Senate. He has also served on and chaired numerous national boards and committees and is a Fellow of the American Meteorological Society and American Association for the Advancement of Science. He was appointed in 2017 as Oklahoma Cabinet Secretary of Science and Technology.

Born in Kansas, Kelvin earned a B.S. in meteorology from the University of Oklahoma and M.S. and Ph.D. degrees in atmospheric science from the University of Illinois at Urbana-Champaign.
AIMEE HOOD

Regulatory Science Communications Lead, Bayer Crop Science

Aimee Hood is the Regulatory and Scientific Engagement Lead at Bayer Crop Science. Her team of scientists has responsibility for engaging with scientists about the safety and benefits of Monsanto’s portfolio of products and regulatory processes that enable commercialization of these products. They also empower internal scientists to advocate for science. She has been with Bayer/Legacy Monsanto for over 20 years, with previous roles in Strategy and Operations, Quality Assurance and Manufacturing. She is proud to be a Bayer employee and loves to share stories about the great work that the company does and counter misinformation. Aimee is a STEM advocate and serves as president of a local high school’s advisory board and is a member of their Project Lead the Way Partnership Team. She has a degree in Biochemical Engineering from the University of Missouri-Columbia. In 2018, Bayer named her Working Mother of the Year.

ERIN JONES

Head of Sustainability & Outreach, Plant Breeding, Crop Science Division of Bayer

Erin Jones currently serves as Head of Sustainability & Outreach and is a member of the Plant Breeding Leadership Team for the Crop Science division of Bayer. Based in St. Louis, Missouri, Erin’s team is focused on cultivating an understanding of breeding innovations and strengthening the positive environmental and societal impact of our business in agriculture.

Erin came to Bayer in 2018 after working at Monsanto for 13 years. Throughout her 13-year tenure at Monsanto, Erin has held roles in Sales, selling Asgrow/DEKALB seed; Product Supply, in customer service and leading employee training; and now in Research & Development. Having grown up on a small beef cattle farm in north central Ohio, she has been inspired since childhood to contribute to environmentally sustainable solutions for agriculture. Erin is also passionate about career development and was instrumental in establishing a business resource group for employees in their 20s and 30s, offering programming for leadership and business acumen development as well as community outreach. Known as the Emerging Leaders Network (ELN), almost 10-years since inception, the group continues to be one for the largest business resource groups at Bayer.

Erin holds a MS in Crop Science from the University of Illinois in Champaign, IL, a MBA from Webster University in St. Louis, MO, and a BS in Agriculture and Education from Wilmington College in Wilmington, Ohio. In her spare time, Erin is a member of the Young Friends Board at the Danforth Plant Science Center in St. Louis, and enjoys traveling and hiking with her dog, Petey.
LISA KEEFE

Principal Research, Hauptman-Woodward Medical Research Institute

Dr. Keefe is a biophysicist whose work focuses on accelerating drug discovery through synchrotron-based structural biology. She is Vice President for Advancing Therapeutics at the Hauptman-Woodward Medical Research Institute (HWI) in Buffalo, NY, and Director of the Industrial Macromolecular Crystallography Association – Collaborative Access Team (IMCA-CAT) located at the Advanced Photon Source, Argonne National Laboratory in Illinois. At IMCA-CAT, her work is aimed at implementing state-of-the-art technology and innovative approaches at the macromolecular crystallography beamline in order to leverage the power of synchrotron radiation for structure-based drug design. Through her leadership, IMCA-CAT has developed into a world-class research facility for the pharmaceutical industry.

A graduate of Vassar College, Dr. Keefe earned a bachelor’s degree in chemistry with certification from the American Chemical Society. She holds a doctoral degree in Biophysics and Biophysical Chemistry from The Johns Hopkins University School of Medicine. Upon completing her doctorate, she was awarded a Department of Energy Alexander Hollaender Distinguished Postdoctoral Fellowship, working jointly with Argonne National Laboratory and Brookhaven National Laboratory.

Dr. Keefe is an active member of the American Crystallographic Association, serving on Council as Past President (2019), President (2018), Vice President (2017), and Secretary (2003-2008). She currently serves as consultant to the International Union of Crystallography, Commission on Synchrotron and XFEL Radiation.

MICHAEL LUBEELL

Mark W. Zemansky Professor of Physics, CCNY

Michael Lubell received his B.A from Columbia University and his M.S. and Ph.D. from Yale, where he was a faculty member for ten years before assuming his position at CCNY. He has held fellowships from the U.S. National Science Foundation, the U.S. Atomic Energy Commission and the Alfred P. Sloan Foundation and visiting appointments at Brookhaven National Laboratory, the University of Texas-Austin, the University of Bielefeld and the Santa Barbara Institute of Theoretical Physics (now the Kavli Institute). He served as CCNY Physics Department chairman for six and half years. He is a Fellow of the American Physical Society and the American Association for the Advancement of Science. For 22 years, beginning in 1994, he was director of public affairs of the American Physical Society.

Dr. Lubell's publications comprise more than 300 articles, abstracts and columns in scientific journals, books, conference proceedings and newspapers in the fields of high-energy physics; nuclear physics; atomic, molecular and optical physics; and science policy. He appears on radio and TV in North America, Europe and Asia and is one of the experts most frequently quoted by the U.S. media on science policy issues. He has been a newspaper columnist, a regular "Guest Observer" in Roll Call and a contributor to The Hill. From 1996 until 2016 was the author of a bimonthly column, "Inside the Beltway," in APS News. He has worked on local, state and national political campaigns, has held elective office and has been a policy advisor to several members of the United States Congress. He is credited as being one of the pioneers of science lobbying in Washington.
JULIE MCCLURE

Science Policy Manager, American Society of Agronomy

Julie McClure is the Washington, DC-based Science Policy Manager for the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America. McClure comes to the Societies after serving as the Science Policy Fellow for the American Society for Biochemistry and Molecular Biology. As ASBMB’s policy fellow, she reported on science policy news, monitored and analyzed relevant legislation and coordinated ASBMB’s bi-annual Hill Days.

She received her B.S. in biology and secondary science and math teaching from Florida State University in 2004 and went on to work at the National Institutes of Health as a Postbaccalaureate Fellow. In 2011, Julie received her Ph.D. in Cell Biology from the University of Virginia. Her thesis work focused on lifespan extension in budding yeast.

As the Science Policy Manager, McClure acts as a liaison between the research community, science-funding agencies and members of Congress to advocate for research funding.

ALI NOURI

President, Federation of American Scientists

Dr. Ali Nouri is the President of the Federation of American Scientists. Until recently he served as legislative director and national security advisor to U.S. Senator Al Franken (D-MN) where he oversaw the work of the Senator’s legislative team, drafted and negotiated bills, and represented the Senator in various fora. Nouri came to Capitol Hill in 2008 and joined Senator Jim Webb’s office (D-VA) first as a AAAS Congressional Science and Engineering Fellow and then as an advisor on issues related to science, energy, and environment. He currently serves as chair to the AAAS Science and Engineering Fellowship Advisory Board. Nouri also serves on the MacArthur Foundation’s 100&Change Wise Head Panel.

Prior to coming to Capitol Hill, he was an advisor to the office of the UN Secretary General, and a research associate at Princeton University’s Woodrow Wilson School where he developed initiatives to maximize the beneficial applications of biotechnology to global health, while working to cut off pathways through which biotech can be used to develop biological weapons. Dr. Nouri was recently selected to participate in the “New Voices” project of the National Academies of Sciences for outstanding leaders in science, engineering, and medicine.

Nouri holds a B.A. in Biology from Reed College and a Ph.D. in Molecular Biology from Princeton University.
JENNIFER ORME-ZAVALETA, Ph.D.

Principal Deputy Assistant Administrator for Science, Office of Research and Development, US Environmental Protection Agency.

Jennifer Orme-Zavaleta, Ph.D., is the Deputy Assistant Administrator for Science for the Office of Research and Development with the U.S. Environmental Protection Agency. Dr. Orme-Zavaleta has been with EPA since 1981, working in the areas of human health and ecological research, risk assessment, policy and regulation development, strategic planning, and program implementation. The focus of her experience includes the evaluation of risks to human and ecosystem health, and the influence of environmental change on human health in response to a variety of stressors including synthetic organic and inorganic chemicals, radionuclides, microorganisms, and vector-borne disease.

Dr. Orme-Zavaleta received her B.A. in Zoology from Ohio Wesleyan University, M.S. in Zoology and Toxicology from Miami University, and Ph.D. in Wildlife Science and Public Health from Oregon State University.

Jennifer has held a number of positions within EPA in the Offices of Toxic Substances, Water and Research and Development. Most recently she served as the Director of EPA’s National Exposure Research Laboratory. She also served as the Interim National Program Director for Safe and Sustainable Water Resources, where she led the development of research to achieve safe, resilient and sustainable solutions to the increasingly complex water challenges facing US regions, states, tribes, cities and rural areas.

BRYANNE PETERSON

Research Assistant Professor of SEAD Education Assessment & Evaluation, Virginia Polytechnic Institute and State University

Integrative STEM Education program at Virginia Tech. Bryanne earned her Bachelor of Arts degree in Sociology from Mary Baldwin College and later went on to earn her Master of Education degree in Curriculum and Instruction from Virginia Tech. Prior to earning her doctorate, Bryanne taught for over 10 years in Virginia schools. She holds five endorsements, four of which are in CTE. In addition to her efforts with schools, Bryanne works to bring STEM education opportunities to her community as a Girl Scouts leader, FLL coach, and homeschool co-op teacher. She is VT Citizen Scholar and a recipient of the SMA Leon von Autreve honor level 2 scholarship. Bryanne’s research interests lie at the intersection of CTE and STEM education; she works to increase and diversify the STEM pipeline.
SHELLEY SANNER, MA, CAE

Senior Vice President Industry Relations, McKinley Advisors

Shelley is Senior Vice President of Industry Relations at McKinley Advisors, a consulting firm focused exclusively on serving the association sector. Before joining McKinley in 2007, Shelley served as Membership Director at a higher education association. On a national level, Shelley has served in various volunteer leadership positions, taught courses and presented at many industry events. She has a Master’s in liberal studies from Georgetown University and an undergraduate degree from Juniata College, where she majored in French and education.

TOBIN (TOBY) SMITH

Vice President for Policy, Association of American Universities

Toby Smith has served at AAU since January 2003 as Vice President for Policy and oversees AAU’s policy projects, initiatives and activities including the AAU Undergraduate STEM education and PhD education initiatives. He is responsible for matters relating to science and innovation policy and broader impacts of science. Before coming to AAU, Toby worked as a federal relations representative in the Washington D.C. Offices of the University of Michigan (1999-2002) and the Massachusetts Institute of Technology (1992-1999).

Toby has written and spoken widely on science policy and funding issues. He is the co-author a book on national science policy published in 2008 by the University of Michigan Press titled, Beyond Sputnik – U.S. Science Policy in the 21st Century. Toby holds a master’s degree in Legislative Affairs from George Washington University, and a Bachelor of General Studies (BGS) degree from the University of Michigan.

PAUL SOUTH

Assistant Professor, Perelman School of Medicine, University of Pennsylvania

Paul South is an assistant professor of plant physiology at Louisiana State University. His expertise covers plant physiology, molecular genetics, and biochemistry. More specifically, he focuses on photosynthesis and photorespiration with an interest in epigenetic regulation of gene expression. For the RIPE project, he is improving photorespiratory metabolism by identifying and down-regulating chloroplast inner membrane proteins necessary for export of photorespiratory products, such as glycolate while using synthetic biology to insert alternative metabolisms. Paul earned his bachelor’s degree in biology from Ursuline College and went on to receive his doctorate in biochemistry from Purdue University. His work has been published in several peer-reviewed journals, including the Proceedings of the National Academy of Sciences, The Plant Cell, the Journal of Biological Chemistry, and Science.
ELIZABETH STULBERG  
*Science Policy Manager, American Society of Agronomy*

Dr. Elizabeth Stulberg specializes in food systems policy with particular interest in microbiomes, agriculture education, diversity and inclusion, and the public perception of agriculture. She serves as a scientist liaison between government and academia, utilizing science to achieve policy objectives and translating federal policy to the academic community.

Prior to joining ACSESS, Elizabeth worked as an Agriculture Science Fellow in the U.S. Department of Agriculture’s Office of the Chief Scientist, and she also spent two years in the White House Office of Science and Technology Policy as the Senior Advisor for Food and Life Sciences. She began her science policy career in as a legislative assistant in the U.S. House of Representatives with Congresswoman Louise Slaughter (D-NY) through an American Association for the Advancement of Science (AAAS) Science & Technology Policy Congressional Fellowship sponsored by the American Society for Microbiology. Elizabeth received her Ph.D. from Yale University for her research on the interactions among plants, soil, and microbes and on the biochemistry of natural products. She served two terms as President of the Yale Science Diplomats and oversaw the popular "Science in the News" seminars, a series of engaging lectures given by Yale graduate students and post-doctoral fellows in the sciences.

NANCY SUNG  
*Science Advisor, Directorate for Biological Sciences, National Science Foundation*

Nancy Sung, Ph.D. serves as Science Advisor in the Office of the Assistant Director for Biological Sciences (BIO), National Science Foundation. NSF is the major federal funding agency supporting all fields of basic science and engineering at U.S. colleges and universities. In this role she helps develop BIO’s strategy and most recently played a key role in creation of a new initiative, Biology Integration Institutes (NSF 20-508). Dr. Sung served as Head of the National Science Foundation’s (NSF) China office from 2014-2018, while serving as a Science Attaché at the U.S. Embassy in Beijing. Dr. Sung came to NSF in 2011, serving as a Program Director for the East Asia and Pacific, as well as Acting Section Head for International Science and Engineering.

Before joining NSF, Dr. Sung was a senior program officer at the Burroughs Wellcome Fund (BWF), an independent U.S. grantmaking foundation whose mission is to support the advance of biomedical research and education (www.bwfund.org). While at BWF, Dr. Sung represented BWF’s interests in national science policy issues, notably, building the science and engineering workforce of the future. Dr. Sung was founding board chair of the Health Research Alliance (www.healthra.org), a growing consortium of over 70 private foundations and voluntary health agencies.

Dr. Sung earned a B.A. from the University of Pennsylvania and a Ph.D. in Microbiology from the University of North Carolina at Chapel Hill (UNC-CH). Dr. Sung serves on the Board of Directors of Justice Ventures, International, based in Washington, D.C.
GABOR TIBYI

Professor of Practice in Meteorology, Pennsylvania State University

Dr. Tigyi is Professor and Harriett Van Vleet Endowed Chair of the Department of Physiology and Associate Vice Chancellor for Research of the University of Tennessee Health Science Center Memphis and Founder and Chief Scientific Officer of RxBio Inc. Since 1987, when he discovered lysophosphatidic acid (LPA) as a bioactive serum factor, his research focuses on the isolation, biochemical structure elucidation, molecular target identification and cellular signaling of LPA a small molecule lysophospholipid that is endowed with a myriad of functions which protect cells from injury. His group has identified many members of the growth factor-like lysophospholipid family. Since the mid-nineties, they have been elucidating the molecular pharmacology of lysophospholipid targets, developed and applied computational chemical methods for drug discovery. This work yielded several patents and a rationally designed LPA analog designated Rx100 that has been tested in non-human primates and was entered the FDA approval process for the treatment of radiation injury. His group has been studying the mechanisms of radiation injury to the gut since 1997 and has elucidated several signaling pathways involved in the mitigation of radiation injury. They have shown that LPA analogs protect the genetic integrity of stem cells after radiation exposure allowing the recovery of the tissue and the sparing of life. Furthermore, they have used computational and high-throughput screening methods to develop several lead compounds, which regulate LPA function not only in normal but in malignant cells, in which these drug candidates inhibit cancer growth and metastasis in vivo. Dr. Tigyi is External Member of the Hungarian Academy of Sciences and the European Academy of Arts, Letters and Sciences in Paris. He is an immigrant from Hungary, and a naturalized US citizen of the USA. He holds a Honorary Doctorate from Semmelweis University, Budapest, Distinguished Chair Professor title from National Taiwan University, Taiwan. He serves as on the President’s Strategic Planning Committee of the Hungarian Academy of Sciences, and also a member, External Advisory Council, Biological Research Center of the Hungarian Academy of Sciences. His hobby is building model airplanes.

BETH TRACY

Senior Director for Faculty Development, Rutgers University

Beth Tracy is Senior Director for Faculty Development in the Office of the Senior Vice President of Academic Affairs. She is responsible for the design, development, and implementation of several faculty development programs, including the OASIS Leadership & Professional Development Program and the Program for Early Career Excellence (PECE). Prior to joining Rutgers, Beth had a consulting practice specializing in coaching, teamwork, and leadership. Her clients included individuals, academic institutions, and corporations.

Before starting her own consulting practice, Beth worked for Johnson & Johnson for 16 years. At J&J, she created global programs and -- using a train-the-trainer approach -- trained more than 4,000 employees in 30 countries in the basics of leadership professional development. As Director of Organizational Development, Beth also created a unique feedback and coaching program to provide access to coaching for a broad base of employees.

Beth received a Master’s degree in Organizational Dynamics from the University of Pennsylvania and a B.S. from Penn State University. She is a certified diversity facilitator and a certified coach.
Council of Scientific Society Presidents

2019

AWARD HONOREE

SENATOR SUSAN COLLINS (ME)

Recipient of the CSSP 2019
SUPPORT OF SCIENCE AWARD

The award honors an individual who merits recognition for outstanding and dedicated support of U.S. science, free scientific communication, and support of basic research.

SUSAN COLLINS

Senator from Maine

A constant and strong supporter of science, Senator Collins’ work in Maine as a recognized advocate for building up science has proven how she views the value of science. This ongoing advocacy has been beneficial to science on a broader basis, demonstrated by her commitment as the main driver in getting the tax on graduate student stipends and tuition vouchers removed from a proposed tax bill.

First elected in 1996, Senator Susan Collins has earned a national reputation as an effective legislator, working across party lines to seek consensus on our nation’s most important issues. For the past six consecutive years, Senator Collins has ranked as the most bipartisan member of the U.S. Senate by the Lugar Center and Georgetown University.

Senator Collins has had a long-standing interest in health care. She is also a tireless advocate for education and has visited and read to children at hundreds of hundreds of schools across Maine.

Senator Collins’ furtherance of these endeavors demonstrate her significant contributions to society through public service in the support of science, serving as an inspiration to future leaders.

Senator Collins was born and raised in Caribou, Maine, where her family runs a fifth-generation lumber business, founded by her ancestors in 1844. A Phi Beta Kappa graduate of St. Lawrence University, she is married to Thomas A. Daffron and resides in Bangor, Maine.
Council of Scientific Society Presidents

2019

AWARD HONOREE

DR. VICENTE TALANQUER

Recipient of the **CSSP 2019 EDUCATIONAL RESEARCH AWARD**.

The award presented for outstanding achievement in educational research that improved children’s learning and understanding.

**VICENTE TALANQUER**

*Department of Chemistry and Biochemistry, University of Arizona*

Vicente Talanquer received his B.S. (1985), M.S. (1987), and Ph.D. (1992) in chemistry from the National University of Mexico (UNAM). He completed postdoctoral studies in the area of physical chemistry (statistical mechanics) at the University of Chicago (1992-1995). He was faculty of the School of Chemistry at UNAM until 2000, when he moved to the University of Arizona (UA). He became the first University Distinguished Professor in the Department of Chemistry and Biochemistry at the UA in 2015.

Vicente’s current research focuses on undergraduate chemistry education. He has published over 125 peer reviewed and invited papers where he has explored the conceptual difficulties that students face when learning chemistry and the effect of different teaching strategies on student understanding. He has also investigated prospective science teachers’ reasoning and practices. His work has been published in major educational journals, such as the *Journal of Chemical Education*, *Chemistry Education Research and Practice*, the *Journal of Research in Science Teaching*, and *Science Education*. Dr. Talanquer’s research has been referenced in the book *Discipline-Based Education Research: Understanding and Improving Learning in Undergraduate Science and Engineering* by the National Research Council. He has been identified as one of the most published and most cited chemistry education researchers in recent years.

Dr. Talanquer has applied the results of his educational research to the development of innovative curricula for both undergraduate chemistry education. He has been the leader in the design and implementation of the innovative “Chemical Thinking” curriculum which is currently in use in different universities across the US. This evidence-based curriculum has been highlighted in the publication *Reaching Students: What Research Says About Effective Instruction in Undergraduate Science and Engineering* by the National Research Council.

Additionally, he has authored 12 textbooks used at different educational levels in the US and Mexico. He was a co-author for the natural sciences textbooks used from 1996 through 2008 by all elementary schools in Mexico and distributed free of charge to millions of students in that country. His current chemistry textbook for the Mexican middle school is also used by thousands of students across Mexico every year.

Dr. Talanquer has received various awards during his academic career, including the *James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry* by American Chemical Society. In 2015, he was named *Arizona Professor of the Year* by the Carnegie Foundation.
The Council of Scientific Society Presidents (CSSP) acknowledges the American Chemical Society for their continued cooperation.