CHEMICAL SCIENCES ROUNDTABLE

The Future of Sustainable Agrochemistry

Webinar Hosted by the Chemical Sciences Roundtable
12pm-1:30pm EDT, November 12, 2020

Speaker Biographies

Peter Eckes is the President of BASF Bioscience Research. Dr. Eckes has over 25 years of experience in the chemical industry. He leads BASF's global competence center for life sciences headquartered in Research Triangle Park, North Carolina. In this role, he drives innovative sustainable solutions for agricultural, food and industrial applications for a better life and improved environment. From 2009 to 2014, he served as President of BASF Plant Science Research. In 2002, he joined BASF's Crop Protection unit as Senior Vice President of Global Research and Development, based in Limburgerhof, Germany. In 2000, Dr. Eckes took on the role of Vice President of New Business Development for the global Chemical Intermediates division. He originally joined BASF in Ludwigshafen, Germany, in 1992 and was named Assistant to the Chief Technology Officer in 1994. He completed his PhD in organic chemistry in 1990 at the University of Frankfurt, Germany, and pursued his postdoctoral studies at the chemistry department of Harvard University.

George Frisvold is a Professor of Agricultural and Resource Economics at the University of Arizona. Additionally, he is an investigator with the Institute of the Environment's Climate Assessment for the Southwest project. He has been a visiting scholar at India's National Institute of Rural Development, a lecturer at Johns Hopkins University, and chief of the Resource and Environmental Policy Branch of U.S. Department of Agriculture's Economic Research Service. In 1995-96, Dr. Frisvold served on the Senior staff of the President's Council of Economic Advisers with responsibility for agricultural, natural resource, and international trade issues. His research interests include the economics of agricultural biotechnology, pesticide use, and pesticide regulation. He has published extensively on management of weed and insect pest resistance. He is currently an Associate Editor for *Pest Management Science*. Dr. Frisvold received his PhD in agricultural and resource economics from the University of California, Berkeley.

Tejas K. Shah is a Discovery Research Scientist at Corteva Agriscience. Since 2016, Tejas has been a part of the Discovery Chemistry group at Dow Agrosciences (now Corteva Agriscience) creating small molecule solutions to tackle global concerns such as growing pest resistance for our farmers and consumers. Previously, he obtained his B.A. in Chemistry and Molecular Biology & Biochemistry from Rutgers University where he performed undergraduate research with Professor Daniel Seidel in the area of hydrogen-bonding catalysis & kinetic resolution. Alongside his research in the Garg laboratory, he developed online tutorials called BACON. These tutorials connect organic chemistry to topics in human health and pop culture. To date, they have been used by >60,000 students around the globe and at well over 100 universities. Dr. Shah's PhD dissertation focused on utilizing heterocyclic arynes as synthetic building blocks

and exploration of nickel-catalyzed activation of amide C–N bonds. He completed his PhD in Professor Neil K. Garg's laboratory at the University of California, Los Angeles.

Moderator Biography

Mark Jones is Executive External Strategy and Communications Fellow at Dow Chemical, a role he has held since September 2011. He joined Dow in 1990 and spent most of his career developing catalytic processes, working mainly in the area of oxidation catalysis and alkane activation. Fuel cells, lithium ion batteries, syngas conversion, biomass utilization, algal chemical production, technology evaluations, the Advanced Manufacturing Partnership, and other projects have added spice to his career. He currently reports directly to the Dow Chief Technology Officer where his responsibilities include the implementation of Innovation Goals set as part of Dow's ambitious 2025 Sustainability Goals—goals he had a significant hand in developing—innovation communications, and renewable chemistries. He is a Fellow of the American Chemical Society (ACS), is active in its Industry Member Programs and is a frequent host of ACS Webinars, which aim to shine light on the great work done by industry scientists and engineers. Dr. Jones received his Ph.D. in Physical Chemistry at the University of Colorado-Boulder in gas-phase ion-molecule chemistry, research unlikely to lead to an industrial career.