

REZAC BIOSKETCH

Dr. Mary Rezac is the Tim Taylor Professor of Chemical Engineering and the Director of the Major Grant Initiatives within the College of Engineering at Kansas State University. She received a B.S. in chemical engineering from Kansas State University in 1987 and worked for the Phillips Petroleum Company's R&D division before returning to graduate school at the University of Texas in Austin where she received an MS and PhD in chemical engineering. In 1994, she joined the faculty of the Georgia Institute of Technology's School of Chemical Engineering. She was promoted to Associate Professor in 1998 and served in numerous administrative capacities for both the school and the college. She returned to K-State in 2002 as an Associate Professor. She was promoted to Professor and department head in 2004. Rezac served as the head of the chemical engineering department from 2004-2009. From 2007 – 2015, she served as the founding director of K-State's Center for Sustainable Energy (CSE). CSE was home to the University's only NSF IGERT award and provides educational program development, shared research facilities, and research project coordination for over \$10M in projects supporting more than 90 faculty and students. From July 2015 – January 2017, she served as the interim Associate Vice President for Research providing support for students, faculty, and staff from across the university to support their research efforts.

Dr. Rezac's personal research ranges from molecular-level fundamentals of new separation processes to integration of this knowledge with industrial scale processes. Her work has primarily focused on the use of polymeric membranes to separate gas and liquid mixtures. Applications have included energy, chemicals, and pharmaceuticals.

Dr. Rezac has directed more than 30 graduate students and received research and teaching awards at the Georgia Institute of Technology and Kansas State. She has served on numerous policy-making groups, including the Council for Chemical Research, the American Institute of Chemical Engineers, and the National Research Council. Dr. Rezac holds multiple patents and has co-authored over 250 publications and presentations. Dr. Rezac has received numerous teaching awards and now primarily teaches Chemical Process Safety, Chemical Separations, the Introductory Mass and Energy Balances course, and Chemical Engineering Laboratory courses.