



**Dr. Sribala Gorugantu** is an Assistant Professor and Presidential Frontier Faculty Fellow in the William A. Brookshire Department of Chemical and Biomolecular Engineering at the University of Houston. She leads the Reactor Engineering and Analytics for Complex Transformations (REACT) Lab, with a focus on advancing scalable, sustainable chemical processes by bridging fundamental reaction mechanisms with applied reactor design. Her group integrates experimental reactor engineering, advanced analytics, and kinetic modeling to study multiphase reaction mechanisms and multiscale reactor systems in complex transformations, including plastic waste recycling, biomass valorization, and the degradation of persistent pollutants such as PFAS and microplastics. Dr. Gorugantu earned her Ph.D. in Chemical Engineering from Ghent University and

holds an M.S. (Research) from the Indian Institute of Technology Madras. Prior to joining the University of Houston, she was a postdoctoral researcher in the Broadbelt group at Northwestern University and a member of the Northwestern-Argonne Institute of Science and Engineering.