



TEXAS TECH UNIVERSITY

Department of Chemical Engineering™

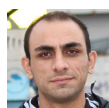
Engineer Your Future at Texas Tech



Dr. Ya-Wen (Winnie) Chang

Assistant Professor

Soft and living matter, cell organization and behavior, microfluidics and 3D printing



Dr. Mahdi Malmali

Assistant Professor

Reaction and separation processes, water recycle and reuse, process intensification



Dr. Chau-Chyun Chen

Professor and Jack Maddox Distinguished Engineering Chair in Sustainable Energy

Molecular thermodynamics, phase equilibria, process modeling



Dr. Jeremy Marston

Assistant Professor

Fluid and granular flows, high speed imaging



Dr. Gregory Fernandes

Research Assistant Professor

Solution and adsorbed polymer behavior, structure and dynamics of colloidal systems



Dr. Gregory B. McKenna

Horn Professor and John R. Bradford Chair in Engineering

Polymer and soft matter physics, rheology, nanorheology, nanomechanics



Dr. Harvinder Singh Gill

Associate Professor and Whitacre Endowed Chair of Science and Engineering

Drug and vaccine delivery, bionanomaterials, immunomodulation



Dr. Nurxar Nuraje

Assistant Professor

Enhanced oil recovery, photocatalysis, renewable energy



Dr. Ronald C. Hedden

Associate Professor

Networks, gels, and elastomers, biofuels, polymer processing



Dr. Al Sacco Jr.

Dean of the Whitacre College of Engineering

Transition metal and acid catalysts, zeolite synthesis



Dr. Chijuan Hu

Assistant Professor of Practice

Undergraduate teaching laboratories and biochemical engineering



Dr. Sidnee L. Simon

Whitacre Department Chair and Horn Professor

Physics of glasses, nanoconfined reactions, calorimetry, dilatometry



Dr. Sheima Jatib-Khatib

Assistant Professor

Heterogeneous catalysis, membrane reactors



Dr. Siva A. Vanapalli

Professor and Bill Sanderson Faculty Fellow

Microfluidics, mechanics of cells and biopolymers, colloidal assembly



Dr. Rajesh Khare

Professor, Associate Department Chair, and Graduate Advisor

Molecular simulations of polymers and soft matter, nanocomposites, rheology, separations



Dr. Mark W. Vaughn

Associate Professor and Undergraduate Advisor

Nitric oxide in microcirculation, membrane transport



Dr. Carla Lacerda

Assistant Professor

Heart valve degeneration: models, mechanisms and prevention



Dr. Brandon L. Weeks

Professor and Associate Dean for Research

High explosives, nanolithography, microcantilever, crystal growth



Dr. Wei Li

Assistant Professor

Cell/polymer interaction, cell microenvironment, biomedical devices



Dr. Theodore F. Wiesner

Associate Professor

Solar energy, hydrogen production, CO₂ mitigation

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