

Serdar Ozturk, Ph.D.

Associate Professor at Milwaukee School of Engineering

Milwaukee, WI, US

Dr. Ozturk's interests include biotechnology, chemical engineering, surface and interfacial chemistry, microfluidics, and material science.

Biography

Dr. Serdar Ozturk is currently an associate professor in the Biomolecular Engineering program at Milwaukee School of Engineering (MSOE). Before joining MSOE in Fall 2013, he worked as a postdoctoral research associate in the department of Nuclear Engineering at Texas A&M University. He is the organizer of BioE Reverse career fair. He has actively involved in the growth of BioE program and sought opportunities to introduce this unique program to the industry. He has served as an advisor to many industry sponsored senior design and also undergraduate research projects. He teaches thermodynamics, heat and mass transfer, reactor design, unit operations, and chemistry courses in the Physics and Chemistry Department. He strives to implement a pedagogy that promotes a thought-provoking, challenging, interactive and friendly learning environment in his courses.

Areas of Expertise

Chemical Engineering, Biomolecular Engineering, Biotechnology, Surface and Interfacial Chemistry, Microfluidics and Microfabrication, Characterization, Thermodynamics

Affiliations

American Institute of Chemical Engineers (AIChE) : Member, American Society of Engineering Education (ASEE) : Member, Society of Biological Engineering (SBE) : Member, International Metabolic Engineering Society (IMES) : Member

Event and Speaking Appearances

Chemicals from biomass: The design of a succinic acid production facility
2018 AIChE Process Development Symposium

Microalgae to biodiesel: Design of a production facility
The 7th International Conference on Algal Biomass, Biofuels and Bioproducts

Teaching chemical engineering courses in a Biomolecular engineering (BioE) program
ASEE's 123rd Annual Meeting

Locally triggered nanoparticle aggregation by interfacial colloidal destabilization
AIChE Annual Meeting

Education, Licensure and Certification

Ph.D.

Chemical Engineering Texas A&M University

M.S.

Chemical Engineering Izmir Institute of Technology

B.S.

Chemical Engineering Ege University

Accomplishments

Falk Engineering Educator Award Finalist

MSOE 2014, 2015, 2016, and 2017

Deisler Graduate Fellowship

Artie McFerrin Department of Chemical Engineering, for outstanding published research
2011

Lamiya Zahin Memorial Safety Scholarship

Mary Kay O'Connor Process Safety Center 2010

Full Graduate Assistanship

Turkish State Planning Organization 2002-2006

President of the Republic of Turkey Fellowship

1997-2002

Karl O. Werwath Applied Research Award, MSOE

2021

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