

Since the university's founding in 1870, Missouri S&T has been preparing students to pursue and solve the world's challenges. The Department of Chemical and Biochemical Engineering provides state-of-the-art facilities for students to learn and conduct innovative, original research to expand the knowledge base of chemical and biochemical engineering and to develop technology to serve current and future societal needs.

We offer PhD and MS in Chemical Engineering or Bioengineering, and graduate certificates in Chemical Process Engineering or Carbon Management Engineering, with distance option available for non-thesis MS and graduate certificate students. All the PhD students are supported by scholarships or assistantships.

**Muthanna Al-Dahhan**

*Multiphase Reaction Engineering, Energy and Environmental Processors, Advanced Measurement and Computational Techniques*

**Baojun Bai**

*Water Management, Enhanced Oil Recovery, CO<sub>2</sub> Storage, Fluid Flow in Porous Media*

**Anthony Convertine**

*Drug Delivery Technologies, Polymeric Materials, Theranostics, Regenerative Medicine*

**Hany Elazab**

*Nanotechnology, Catalysis, Carbon Management, Microreactor Technology*

**Daniel Forciniti**

*Bioseparations, Neutron Scattering, Molecular Simulations*

**Douglas Ludlow**

*Surface Characterization of Adsorbents and Catalysis, Application of Fractal Geometry to Surface Morphology*

**Christi Patton Luks**

*Engineering Education, Pedagogy, Sustainable Engineering*

**Monday Okoronkwo**

*Materials for Sustainable Infrastructure, Environmental Remediation, Cement-Chemical Admixture Interactions*

**Fateme Rezaei**

*Absorption, Energy Efficient Separation Processes, Process Design, Modeling and Optimization*

**Joseph D. Smith**

*Hybrid Energy Systems, Fuels Combustion and Gasification, Industrial Gas Flare, Process Modeling*

**Mark Towler**

*Medical Devices and Diagnostics, Glass Science*

**Jee-Ching Wang**

*Molecular Modeling, Nanofluids, Porous Media, Nanotribology, Food Processing Science*

**Hu Yang**

*Biomaterials, Nanomedicine, Gene and Drug Delivery, Pharmaceutical Engineering, Biomanufacturing*

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