

Research excellence at Iowa.



BETSY STONE

Atmospheric chemistry
Secondary organic aerosols
Separations
Mass Spectrometry
Source apportionment



GREGORY CARMICHAEL

Air quality modeling
Atmospheric chemistry
Data Assimilation
Chemical weather forecasting



JOE GOMES

Quantum simulation
Machine learning
Energy materials
Catalysis



DAVID MURHAMMER

Continuous baculovirus insecticide production
Oxidative stress in insect cell culture



EDWARD SANDER

Biomaterials
Multiscale mechanics & modeling
Microscopy
Synthetic biology
Tissue engineering



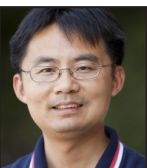
ERIC NUXOLL

Controlled release drug delivery
Biofilm infection mitigation
Microelectromechanical Systems (MEMS)



G. ALLAN GUYMON

Polymer reaction engineering
UV-curable coatings
Polymer/liquid-crystal composites
Polymeric biomaterials



JUN WANG

Satellite remote sensing
Air pollution, weather, & climate change
Fires, aerosols, and clouds
Land-atmosphere modeling



ALIASGER SALEM

Controlled drug delivery
Nanoparticles
Vaccines
Tissue engineering



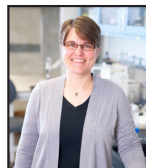
CHARLES STANIER

Air pollution & health
Climate, aerosols, & energy
Atmospheric nanoparticles



DAVID CWIERTNY

Environmental chemistry
Water and wastewater treatment and reuse



JENNIFER FIEGEL

Pulmonary drug delivery
Aerosol biointeractions



SYED MUBEEN

Solar fuels & chemicals
Electrochemical energy conversion & storage
Plasmonics
Advanced nanomaterial synthesis



DAVID RETHWISCH

Engineering education



ALEC SCRANTON

Polymerization kinetics
Reaction engineering
Spectroscopic polymer characterization
Photopolymerization

IOWA

Chemical and Biochemical
Engineering

cbe.engineering.uiowa.edu