



WORKING TOWARD a SUSTAINABLE FUTURE

IOWA STATE UNIVERSITY | LIVE GREEN!

Research Areas

In addition to this webpage, the [Live Green! Sustainable Research Faculty Guide](#) is available as downloadable PDF for your convenience.

[Accounting](#), [Aerospace Engineering](#), [Agricultural and Biosystems Engineering](#), [Agricultural Education and Studies](#), [Agronomy](#), [Animal Science](#), [Apparel, Events and Hospitality Management](#), [Architecture](#), [Art and Visual Culture](#), [Biochemistry](#), [Biophysics and Molecular Biology](#), [Chemical & Biological Engineering](#), [Chemistry](#), [Civil, Construction and Environmental Engineering](#), [Community and Regional Planning](#), [Computer Science](#), [Ecology, Evolution and Organismal Biology](#), [Economics](#), [Electrical and Computer Engineering](#), [English](#), [Entomology](#), [Finance](#), [Food Science and Human Nutrition](#), [Genetics](#), [Development and Cell Biology](#), [Geological and Atmospheric Sciences](#), [Graphic Design](#), [Greenlee School of Journalism](#), [History](#), [Horticulture](#), [Human Development and Family Studies](#), [Industrial and Manufacturing Systems Engineering](#), [Interior Design](#), [Kinesiology](#), [Landscape Architecture](#), [Management](#), [Marketing](#), [Materials Science and Engineering](#), [Mathematics](#), [Mechanical Engineering](#), [Music](#), [Natural Resource Ecology and Management](#), [Philosophy and Religious Studies](#), [Plant Pathology and Microbiology](#), [Political Science](#), [Psychology](#), [Sociology](#), [Statistics](#), [Supply Chain and Information Systems](#), [Veterinary Diagnostic and Production Animal Medicine](#), [Veterinary Microbiology and Preventive Medicine](#), [World Languages and Cultures](#)

Accounting

- James Cannon
- William Dilla
- Cynthia Jeffrey
- Diane Janvrin
- Sunghan Lee
- Zhejia Ling
- Jon Perkins
- Sue Ravenscroft
- Qian Wang
- Olena Watanabe

Aerospace Engineering

- | | | |
|---|---|---|
| <ul style="list-style-type: none">• Ashraf Bastawros• Christina Bloebaum• Leonard Bond• Dale Everett Chimenti• Ran Dai• Vinay Dayal• Paul Durbin• David Kermit Holger• Stephen D. Holland | <ul style="list-style-type: none">• Hui Hu• Leifur Leifsson• Valery Levitas• Ping Lu• Norbert Meyendorf• Ambar K. Mitra• R. Ganesh Rajagopalan• Ronald Allen Roberts• Alric Paul Rothmayer• Thomas J. Rudolphi | <ul style="list-style-type: none">• Partha Pratim Sarkar• Lester W. Schmerr, Jr.• Anupam Sharma• Thomas Ward• Bong Wie• Richard Wlezien• Liming Xiong |
|---|---|---|



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Agricultural and Biosystems Engineering

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- Matt Darr
- David Grewell
- Jay Harmon
- Matt Helmers
- Steve Hoff
- Adina Howe
- Charlie Hurburgh
- Amy Kaleita
- Ramesh Kanwar
- Jacek Koziel
- Dirk Maier
- Steve Mickelson
- Manjit Misra
- Gretchen Mosher
- Raj Raman
- Kurt Rosentrater
- Michelle Soupir
- Brian Steward
- Lie Tang
- Sunday Tim
- Hongwei Xin
- Chenxu Yu

Agricultural Education and Studies

- Sorrel Brown
- Nancy Grudens-Schuck
- Kathleen P. Hunt

Agronomy

- Mahdi Al-Kaisi
- Christopher Anderson
- Sotirios Archontoulis
- Raymond W. Arritt
- Stephen K. Barnhart
- William Dale Beavis
- Madan Kumar Bhattacharyya
- Charles Lee Burras
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- Brian Kirk Hornbuckle
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- Allen Dale Knapp
- David Alan Laird
- Kendall Raye Lamkey
- Michael Lee
- Andrew William Lenssen
- Matthew Z. Liebman
- Thomas Lubberstedt
- Antonio P. Mallarino
- Andrew Manu
- Renuka R. Mathur
- Fernando E. Miguez
- Bradley Miller
- Kenneth J. Moore
- Russell E. Mullen
- Micheal D. Owen
- Peter A. Peterson
- Maria G. Salas-Fernandez
- John E. Sawyer
- Patrick S. Schnable
- Walter Suza
- M. Ali Tabatabai
- Gene S. Takle
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- Michael L. Thompson
- Andrew VanLoocke
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- Mary H. Wiedenhoef
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- Anna Kerr Butters-Johnson
- Susan Long Carpenter
- Joan Estelle Cunnick
- Jack C. Dekkers
- James S. Dickson
- Norman Matthew Ellinwood
- Rohan L. Fernando
- Nicholas K. Gabler
- Dorian J. Garrick
- Stephanie L. Hansen
- Aileen Keating
- Susan J. Lamont
- Elisabeth J. Lonergan
- Steven M. Lonergan
- Daniel Dwight Loy
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- Hugo Ramirez-Ramirez
- James M. Reecy
- Jason Wayne Ross
- Max F. Rothschild
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- Stephan Schmitz-Esser
- Joseph G. Sebranek
- Joshua Taylor Selsby
- Kenneth J. Stalder
- Leo Louis Timms
- Chris K. Tuggle
- Howard David Tyler
- Curtis R. Youngs

Apparel, Events and Hospitality Management

- Fatma Baytar
- Elena Karpova
- Young-A Lee
- Chunhui Xiang

Architecture

- Ross Adams
- Jelena Bogdanovic
- Cameron Campbell
- Shelby Doyle
- Marwan Ghandour
- Pete Goche
- Tom Leslie
- Mikesch Muecke
- Arvid Osterberg
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- Lynn Paxson
- Andrea Wheeler
- Rob Whitehead
- Sharon Wohl



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Art and Visual Culture

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- Ingrid Lilligren
- Christopher Martin
- Austin Stewart
- Paula Streeeter

Biochemistry, Biophysics and Molecular Biology

- Linda Ambrosio
- Amy Andreotti
- Thomas A. Bobik
- Baoyu (Stone) Chen
- Alan Angelo Dispirito
- Jack Richard Girton
- Mark S. Hargrove
- Richard B. Honzatko
- Robert L. Jernigan
- Jorgen Johansen
- Kristen Marie Johansen
- Gustavo Macintosh
- Alan M. Myers
- Scott W. Nelson
- Basil J. Nikolau
- Marit Nilsen-Hamilton
- Reuben J. Peters
- Aragula Gururaj Rao
- Yeon-Kyun Shin
- Michael Shogren-Knaak
- Robert W. Thornburg
- Olga Zabolina

Chemical & Biological Engineering

- Rebecca Cademartiri
- Laura Jarboe
- Derrick Rollins
- Brent H. Shanks
- Jacqueline Vanni Shanks
- Zengyi Shao
- Jean-Philippe Tessonnier
- Richard Dennis Vigil
- Yue Wu



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Chemistry

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- Jason Shih-Hao Chen
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- Young-Jin Lee
- Jacob W. Petrich
- Marek Pruski
- Aaron Rossini
- Aaron Sadow
- Igor Slowing
- Emily Smith
- Xueyu Song
- Levi Stanley
- Javier Vela
- Arthur Winter
- L. Keith Woo
- Yan Zhao

Civil, Construction and Environmental Engineering

- Jim Alleman
- Ashley Buss
- Halil Ceylan
- Tim Ellis
- Doug Gransberg
- Shauna Hallmark
- Kaoru Ikuma
- David Jeong
- Say Kee Ong
- Brent Phares
- Chris Rehmann
- Sri Sritharan
- Hans van Leeuwen
- Omar Smadi
- Peter Taylor
- Kejin Wang
- Chris Williams
- Terry Wipf

Community and Regional Planning

- Carlton Basmajian
- Das Biswa
- Tim Borich
- Susan Bradbury
- Ted Grevstad-Nordbrock
- Monica Haddad
- Sara Hamideh
- Francis Owusu
- Alenka Poplin
- Jane Rongerude
- Youngme Seo
- Gary Taylor



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Computer Science

- Robyn Lutz
- Hridesh Rajan

Ecology, Evolution and Organismal Biology

- Lori Biederman
- Bill Crumpton
- Diane Debinski
- Steven Hall
- Matt Hufford
- Fred Janzen
- Crystal Lu
- Jim Raich
- Haldre Rogers
- Amy Toth
- Nicole Valenzuela
- Brian Wilsey

Economics

- Georgeanne Artz
- Bruce Alan Babcock
- John Christopher Beghin
- Michael D. Duffy
- Mark Alan Edelman
- Chad E. Hart
- Dermot James Hayes
- Keri Lee Jacobs
- Helen Hannay Jensen
- David Keiser
- Catherine L. Kling
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- Sebastien Pouliot
- Ivan Rudik
- Rajesh Singh
- Leigh Spears Tesfatsion
- Quinn R. A. Weninger
- Wendong Zhang

Electrical and Computer Engineering

- Venkataramana Ajarapu
- Timothy Bigelow
- Rana Biswas
- John R. Bowler
- Jien Morris Chang
- Sumit Chaudhary
- Degang Chen
- Chris Chong-Nuen Chu
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- Thomas Earl Daniels
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- Ian Dobson
- Aleksandar Dogandzic
- Liang Dong
- Nicola Elia
- Ayman Adel Fayed
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- Yong Guan
- Doug W. Jacobson
- David C. Jiles
- Ahmed El-Sayed Kamal
- Jaeyoun Kim
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- Mani Mina
- Nathan Mark Neihart
- Tien Nhut Nguyen



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- Aditya Ramamoorthy
- Diane Thiede Rover
- Joseph Shinar
- Arun K. Somani
- Jiming Song
- Alexander T. Stoytchev
- Leigh Spears Tesfatsion
- Akhilesh Tyagi
- Umesh Vaidya
- Namrata Vaswani
- Zhaoyu Wang

English

- Brianna Burke
- K.L. Cook
- Barbara Haas
- Margaret LaWare
- Debra Marquart
- Linda Shenk

Entomology

- Bryony C. Bonning
- Joel Coats
- Gregory W. Courtney
- Aaron John Gassmann
- Erin Whitnee Hodgson
- Russell A. Jurenka
- Donald R. Lewis
- Matthew Elliott O'Neal
- Ryan Chad Smith

Finance

- Lei Gao
- Youngme Seo
- Hua Sun
- Tracy Turner



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Food Science and Human Nutrition

- Erin Bergquist
- Byron Brehm-Stecher
- Suzanne Hendrich
- Charlie Hurburgh
- Buddhi Lamsal
- Melha Mellata
- Joey Talbert
- Keith Vorst
- Toni Wang
- Zhiyou Wen

Genetics, Development and Cell Biology

- Hua Bai
- Diane Clare Bassham
- Philip W. Becraft
- Hui-Hsien Chou
- Clark Coffman
- Drena Leigh Dobbs
- Jeffrey Jerome Essner
- Xun Gu
- Mohan Gupta
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- Marna Yandeau Nelson
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- Steven R. Rodermel
- Donald S. Sakaguchi
- Stephan Schneider
- Jeffrey Trimarchi
- Geetu Tuteja
- Erik Warren Vollbrecht
- Eve S. Wurtele
- Bing Yang
- Yanhai Yin

Geological and Atmospheric Sciences

- Igor Beresnev
- Beth Caissie
- Cinzia Cervato
- Tsing Chang "Mike" Chen
- Kristie J. Franz
- William Andrew Gallus, Jr.
- William J. Gutowski
- Chris Harding
- Franek J. Hasiuk
- Neal R. Iverson
- Jacqueline Reber-Vettiger
- William W. Simpkins
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- Elizabeth Swanner Smith
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- Aaron R. Wood
- Xiaoqing Wu
- Yuyu Zhou



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Graphic Design

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Greenlee School of Journalism

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- Raluca Cozma
- Michael F. Dahlstrom
- Daniela Dimitrova
- Joel C. Geske
- Su Jung Kim
- Gang Han
- Suman Lee
- Tracy Lucht
- Jay Newell
- Andrew Pritchard
- Dara Wald
- Kelly Winfrey

History

- Tunde Adeleke
- Amy Bix
- Jeff Bremer
- Julie Courtwright
- Jane Dusselier
- Michael Christopher Low
- Pam Riney-Kehrberg

Horticulture

- Rajeev Arora
- Nick Christians
- Diana Cochran
- Chris Currey
- Kathleen Delate
- Shui-Zhang Fei
- William Graves
- David Hannapel
- Cindy Haynes
- Jeff Iles
- Dorothy Masinde
- David Minner
- Ajay Nair
- Gail Nonnecke
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- Denny Schrock
- Adam Thoms
- Ann Marie VanDerZanden



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Human Development and Family Studies

- Ji Young Choi
- Megan Gilligan
- Kimberly Greder
- Amelia Karraker
- Gayle Luze
- Christine Maynard
- Tricia Neppl
- Heather Rouse

Industrial and Manufacturing Systems Engineering

- Guiping Hu
- Caroline Krejci
- Frank Peters
- Sarah Ryan
- Lizhi Wang

Interior Design

- Cigdem Akkurt
- Diane Al Shihabi
- Lisa Bates
- Lori Brunner
- Lee Cagley
- Jillian Lare
- Fred Malven
- Amy Mikovec
- Nicole Peterson
- David Raver
- Jihyun Song
- Joori Suh
- Sarah Zenti

Kinesiology

- Senlin Chen
- Timothy Derrick
- Panteleimon Ekkekakis
- Laura Ellingson
- Warren Franke
- Jason Gillette
- Douglas King
- Marian Kohut
- Duck-chul Lee
- Rick Sharp
- Ann Smiley-Oyen
- Elizabeth Stegemoller
- Rudy Valentine
- Spyridoula Vazou
- Gregory Welk



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Landscape Architecture

- Julia M. Badenhope
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- Tom Nepl
- Carl A. Rogers
- Christopher J. Seeger
- Benjamin A. Shirtcliff
- Julie L. Stevens
- Mimi Marie Wagner
- Bambi L. Yost

Management

- Priyanka Jayashankar
- Patrick Kreiser
- Paula Morrow

Marketing

- Beatriz Pereira
- José Rosa

Materials Science and Engineering

- Mufit Akinc
- Iver Eric Anderson
- Kaitlin Bratlie
- Ludovico Cademartiri
- Rebecca Cademartiri
- Peter Collins
- Kristen P. Constant
- Jun Cui
- Richard Alan Lesar
- S. Mallapragada
- Steve Warten Martin
- Anja Mudring
- Vitalij K. Pecharsky
- Alan Russell
- Xiaoli Tan
- Martin Thuo

Mathematics

- Wolfgang H. Kliemann



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Mechanical Engineering

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- Xianglan Bai
- Mark Bryden
- Nastaran Hashemi
- Chao Hu
- Song-Charng Kong
- Reza Montazami
- Mark Wright

Music

- Kris Bryden
- Amanda Petefish-Schrag

Natural Resource Ecology and Management

- James Stephen Adelman
- Julie Anne Blanchong
- Steven Paul Bradbury
- Stephen J. Dinsmore
- Richard Brian Hall
- Mary Alice Harris
- Thomas M. Isenhardt
- Adam K. Janke
- Catherine M. McMullen
- Peter Lindsay Moore
- Joseph Eugene Morris
- Cassandra Maria Nunez
- James Pritchard
- Jesse Allen Randall
- Kevin J. Roe
- Ann E. Russell
- Lisa Ann Schulte-Moore
- Richard Carl Schultz
- Timothy W. Stewart
- Janette R. Thompson
- John Charles Tyndall
- Michael John Weber
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Philosophy and Religious Studies

- Kate Padgett Walsh
- Robin Veldman
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Plant Pathology and Microbiology

- Thomas J. Baum
- Gwyn A. Beattie
- Mark L. Gleason
- Thomas C. Harrington
- Leonor F. Leandro
- W. Allen Miller
- Forrest W. Nutter
- Gregory L. Tylka

Political Science

- David Andersen
- Dianne Bystrom
- Olga Chyzh
- Dirk Dean
- Tessa Ditonto
- Nell Gabiam
- Jonathan Hassid
- Mark Jackson
- Richard Wallace Mansbach
- Alla Manukyan
- James M. McCormick
- Mark Nieman
- Kenneth Peters
- David Peterson
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- Yue Ren
- Steffen W. Schmidt
- Kelly B. Shaw
- Mack Shelley
- Amy Erica Smith
- Alex Tuckness
- Robert B. Urbatsch
- Kathleen Waggoner
- Yu Wang

Psychology

- Craig Anderson

Sociology

- J. Gordon Arbuckle, Jr.
- Carmen M. Bain
- Terry L. Besser
- Chester Britt
- Shawn Dorius
- Cornelia B. Flora
- Jan L. Flora
- Robert Paul Lasley
- Lois Wright Morton
- Ann Oberhauser
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- Stephen Graham Sapp
- Betty Lynn Wells
- Robert Edward Mazur



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Statistics

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- Arka P. Ghosh
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- Mark Steven Kaiser
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- Ranjan Maitra
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- Daniel John Nordman
- Sarah Margaret Nusser
- Mack Clayton Shelley
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- Cindy Long Yu
- Zhengyuan Zhu

Supply Chain and Information Systems

- David Cantor
- Haozhe Chen
- Toyin Clotley
- Tony Craig
- Meltem Denizel
- Sachin Modi
- Frank Montabon
- Tyler Morgan
- Eric Smith
- Yoshi Suzuki

Veterinary Diagnostic and Production Animal Medicine

- Bailey Arruda
- Paulo Arruda
- Dave Baum
- Dave Borts
- Eric Burrough
- Hans Coetzee
- Vickie Cooper
- Rachel Derscheid
- Grant Dewell
- Terry Engelken
- Steve Ensley
- Phil Gauger
- Pat Gorden
- Pat Halbur
- Karen Harmon
- Derald Holtkamp
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- Greg Stevenson
- KJ Yoon
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- Jeff Zimmerman



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- Radford G. Davis
- Iddo Friedberg
- Ronald W. Griffith
- Catherine Mary Logue
- Mark Lyte
- Cathy Miller
- Frank C. Minion
- Lisa K. Nolan
- Gregory J. Phillips
- James Allen Roth
- Charles O. Thoen
- Michael J. Wannemuehler
- Qijing Zhang

World Languages and Cultures

- Kevin Scott Amidon
- Julia Dominguez-Castellano
- Tonglu Li
- Mark Looney
- Eugenio D. Matibag
- Olga M. Mesropova
- Aili Mu
- Mark W. Rectanus
- Elisa G. Rizo-Arbuckle