

Christopher R. Daubert, Ph.D.

Vice Chancellor and Dean

College of Agriculture, Food and Natural Resources
University of Missouri
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Professional Summary

Dedicated administrator of the university vision and mission to promote innovative, world-class research, teaching and engagement • Collaborative and participatory approach to serve and reach all students and stakeholders • Fiscally responsible and forward-looking to help manage and grow the institution • Flexible, hardworking and team-building leadership to foster strategic partnerships • Fundraising expertise with an entrepreneurial focus to grow public-private-partnerships • Committed to diversity of ideas and cultures to address societal issues • Motivational leadership style to inspire solutions for global challenges

Education

Michigan State University

Ph.D., Agricultural Engineering & Food Science (1996) – College of Agriculture and Natural Resources; College of Engineering

The Pennsylvania State University

B.S., Agricultural Engineering (1991) – College of Agricultural Sciences; College of Engineering

Academic Positions

University of Missouri

Professor of Food Science & Engineering: 2017 - Present

North Carolina State University

Professor of Food Science & Engineering: 2007 - 2017

Associate Professor of Food Science & Engineering: 2002 - 2007

Assistant Professor of Food Science & Engineering: 1997 - 2002

Post-Doctoral Research Associate: 1996 - 1997

Current Administrative Experience

University of Missouri

College of Agriculture, Food and Natural Resources

Vice Chancellor & Dean: 2017 - Present

The University of Missouri (MU) is the state's flagship, R1 university and only public institution in Missouri that is a member of the prestigious Association of American Universities. As 1 of 2 land-grant universities in Missouri, MU is federally mandated to carry the research and academic mission of the university beyond the campus borders to the state. With a student enrollment of 31,000 and nearly 2,000 faculty, MU is home to representatives from all 50 states and over 100 countries. The University is dedicated to creating, developing and delivering the knowledge and skills Missourians need to thrive in the fast-changing, culturally diverse environment of the 21st century.

A college of considerable size and scope, The College of Agriculture, Food and Natural Resources (CAFNR) is vital to MU. The college operates with an approximate \$90M annual budget, 275 ranked faculty and academic scientists and more than 350 staff. CAFNR directly responds to and serves the top industries of Missouri, agriculture and tourism. With more than 2,750 students, CAFNR recognizes students as a primary stakeholder and provides numerous programs for their professional development, including more than 40 clubs, 14 undergraduate degrees and 9 graduate programs. As part of its proud land-grant heritage, CAFNR reaches Missourians through the Missouri Agriculture Experiment Station - a network of 16 research farms across Missouri, totaling approximately 14,000 acres.

The Vice Chancellor and Dean is the chief academic, administrative and budgetary officer as well as the primary spokesperson for the College. This office provides the collaborative leadership style needed to engage faculty, staff, students and other internal and external stakeholders, allowing the College to respond to major statewide, national and international issues. Specific responsibilities of the CAFNR Vice Chancellor & Dean include:

- Advancing CAFNR's academic excellence and recognition through the *Drive to Distinction* strategic plan.
- Endorsing the CAFNR student-centered focus, while creating an atmosphere conducive to a positive student experience.
- Establishing high expectations among CAFNR academic leaders and faculty regarding student success.
- Leading CAFNR research, academic, Extension and economic development activities.
- Promoting a robust culture of interdisciplinary research within CAFNR, while building internal and external partnerships and collaborations.
- Raising CAFNR community awareness to critical social issues, while imparting a welcoming environment through a strong commitment to inclusivity, diversity, equity and compassion.
- Appreciating and valuing contributions from a diverse faculty.
- Linking CAFNR educational programs to the broader University culture and mission.
- Increasing public understanding and support for the University and CAFNR as a contributor to the vitality and well-being of the state and the nation.
- Engaging alumni, industry partners, commodity groups, associations and the Missouri legislature.

- Enhancing the collaborative reach of CAFNR with the agricultural, agribusiness, conservation and food production industries of the state and region.
- Supporting a knowledgeable CAFNR leadership structure with expertise to improve operational effectiveness and efficiency.
- Advocating for sustainable funding in a challenging public fiscal environment.
- Demonstrating principles of transparency, fiduciary responsibility and stewardship of resources.
- Understanding the educational, political and cultural dynamics of the state, the University System and the flagship campus.

Administrative Leadership

University of Missouri

College of Agriculture, Food and Natural Resources

Vice Chancellor & Dean: 2017 - Present

Hired on August 1, 2017, the following bullets represent significant accomplishments that are described in greater detail below:

1. Developed and currently executing the CAFNR *Drive to Distinction* strategic plan.
2. Established the “Show Me State” Food, Beverage and Forest Product Manufacturing Initiative.
3. Led CAFNR through the Covid Pandemic and initiated CAFNR Regenesi s, a plan to prepare the college for a post-Covid world.
4. Designed a new CAFNR budget model, while steering through a financial crisis.

1. Drive to Distinction (D2D) – CAFNR’s Strategic Plan: 2019-2025

Launched in April 2019, this plan is dedicated to six strategic priorities, seven inaugural programs of distinction and the pursuit of seven grand ideas. This plan is predicated upon imagining a healthy world, which embraces healthy economies, plants and animals, communities and people. Further details of the *D2D* may be viewed at:

<https://cafnr.missouri.edu/wp-content/uploads/2019/05/CAFNR-Strgc-Plan-2019.pdf>

CAFNR published its first biennial report in December 2021 to share progress towards established metrics and goals.

<https://cafnr.missouri.edu/wp-content/uploads/2021/12/biennial-report-2021.pdf>

Programs of Distinction – CAFNR is home to several programs that boast national and international reputations. The college maintains a commitment to these highly regarded programs:

- Food and Agricultural Policy Research Institute
- Interdisciplinary Plant Group
- Interdisciplinary Reproduction and Health Group
- MU Forage-Livestock Group
- MU Livestock Engineering Team
- Show-Me-Select Replacement Heifer Program
- University of Missouri Center of Agroforestry

Grand Ideas – Success for these ideas will bring recognition and distinction to CAFNR:

- Center for Genomics Reproduction and Health Innovation
- Healthy Ecosystems for Life on the Planet (HELP)

- Precision Foods for Health
- Precision Models for Health
- Show-Me-State Food, Beverage and Forest Products Manufacturing Initiative
- Smart Farms, Smart Agriculture: The Digital Age of Farming
- University of Missouri Institute for Plant Sciences

Strategic Priorities – These topics are foundational to CAFNR success and reflect a primary commitment to students and stakeholders:

- Ensuring Student Success
- Advancing Research and Innovation
- Empowering Missourians
- Showcasing Leadership
- Cultivating and Diverse and Inclusive Community
- Championing Global Citizenship and Engagement

The status of these six, land-grant mission-inspired strategic priorities follow:

Ensuring Student Success

CAFNR educates students to be decision-makers who cultivate a healthy world. Recruiting, retaining and graduating students from diverse backgrounds, CAFNR provides a supportive environment that promotes scholarship, leadership, service and personal growth. The dedicated CAFNR faculty and staff create an inspirational, collaborative and productive teaching, mentoring and advising environment that instills the spirit of discovery, knowledge-sharing and application for all students. Current successes include:

- Enrolled 634 new students in Fall 2021 (F21), an increase of 17.1% over the past 4 years; *D2D* goal is 650 new students annually.
- Posted and increase to in-state yield rate for First Time College (FTC) students by nearly 13% over the past four years (F16 = 52%, F20 = 64.8%).
- Strengthened collaborations with targeted community colleges to increase student access.
- Awarded \$1.3 million in scholarships from endowed funds, with an average student award of \$1,300 in academic year 2020 – 2021 (AY20-21); Offered scholarships to 100% of eligible FTC students (AY20-21).
- Adjusted the F20 and Spring 2021 (SP21) course schedules for the pandemic to ultimately ensure 80% of CAFNR courses had an in-person component.
- Maintained retention of FTC students from F20 to SP21 at 93 percent, despite the pandemic.
- Achieved (F17 cohort) a 4-yr graduation rate of 68.3%, highest in CAFNR history and surpassed the *D2D* goal of 65%. [MU = 54.9%]
- Achieved (F15 cohort) a 6-yr graduation rate of 77.1%, 20.5% greater than state average and 19.3% greater than national average; *D2D* goal is 75%. [MU = 73.0%]
- Achieved a successful career outcome of nearly 100% (99.2%) for the most recent graduates. *D2D* goal is 95%.
- Implemented the R.I.S.E. signature experience – an external learning experience for all CAFNR graduates.
- Launched ‘*LATitude*,’ an internal newsletter highlighting ways in which CAFNR is ensuring students success across the college.

Advancing Research and Innovation

CAFNR faculty, staff and students advance agriculture, food and natural resource scholarship through discoveries that address major challenges and help cultivate a healthy world. The faculty integrate research results and teaching with engagement and Extension programs to promote

economic growth and life-long learning opportunities. CAFNR takes a leadership position in driving innovation and entrepreneurship while fostering and sustaining a vibrant, collaborative and supportive research environment.

- Received a \$24.8M building investment by the US Department of Agriculture – Ag Research Service for a new on-campus plant biotechnology laboratory.
- Increased shared credit grant awards by 44% in fiscal year 2021, with a *D2D* goal to double awards and expenditures by 2025. **The \$56.8M in grant awards this fiscal year** is the highest in CAFNR history.
- Established a CAFNR Dissertation Research Improvement Grant (C-D RIG) program for PhD students (5 awards given in 2020-2021).
- Awarded 4 graduate students with the George Washington Carver Fellowship. This fellowship seeks to attract and support under-represented (African American, Native American or Alaska Native, Hispanic or Mexican American) scholars into MS and PhD degree programs in CAFNR.
- Initiated a faculty professional development workshop series in late 2019.
- Successfully launched the inaugural CAFNR Research Day in 2021.
- Establishing the “Joy of Discovery” to provide seed funding to faculty for emerging research concepts on August 1, 2021.
- Launching the CAFNR Accelerator for Agricultural Technology (CAAT) to promote translational research on September 1, 2021.
- Targeted faculty hires to grow federal research funding, growth of prestige factor and national/international reputation.

Empowering Missourians

Discoveries and innovations created by CAFNR and our collaborators provide the ability to attain a healthier state. CAFNR aspires to empower every citizen of Missouri, rural and urban, by offering Extension and engagement programs at the nexus of science and community that advances economic prosperity, life-long learning and healthy living.

- Partnered with the University’s Vice Chancellor for Extension and Engagement in developing an environment that promotes community-engaged scholarship and delivers innovative and relevant education to the citizens in the Missouri’s 114 counties and the city of St. Louis.
- Supported rapid response teams created by agricultural and environmental specialists during the COVID-19 pandemic; These teams helped Missourians understand how to safely navigate the pandemic, while maintaining essential work on the farm or at a farmer’s market.
- Pursuing our goal of doubling Missouri’s agricultural and economic impact by 2030; Began a #2xAg2030 video campaign to show the public how faculty are supporting this bold goal, for a bold future.
- Partnered with MU Extension to create the Missouri Small Business Development Center for Agriculture, Food and Forestry.
- Received \$660,000 from the Missouri legislature to revise private pesticide applicator materials and online training program; These changes were mandated by the US Environmental Protection Agency.
- Deployed a new scorecard based on reach and resource (R^2) indicators for CAFNR Extension program performance (only one of its kind in the U.S.).

Showcasing our Leadership

CAFNR strives to be a nationally and internationally recognized college for agriculture, food and natural resources by successfully cultivating compassionate leaders who drive education, research,

engagement and policy. We advance relevant, innovative solutions and provide leadership on a local, regional and global basis across the landscapes of agriculture, food and natural resources to create a healthy world.

- Intensified efforts at both the division and college levels to increase nominations for national and international prestigious recognitions of our faculty, staff and students, resulting in successful nominations for:
 - National Academy of Science
 - National Academy of Agricultural Sciences, India
 - USDA National Teaching Award
 - Fulbright Scholars
 - American Association for Agricultural Education Outstanding Agriculture Educator
 - Excellence in Instruction, Rural Sociological Society
 - Peter H. Raven Lifetime Achievement Award, St. Louis Academy of Science
 - Trustees Award, St. Louis Academy of Science
 - Fellow of the American Association for the Advancement of Science
 - Fellow of the St Louis Academy of Science
- Hosted campus-wide activities to build camaraderie among faculty, staff and retirees:
 - Annual state-of-CAFNR event each fall, Novemberfest
 - Three CAFNR faculty & staff meetings during spring semester featuring updates from academic programs, research and Extension
 - New faculty tour of Missouri each spring
 - Welcome reception for new faculty
 - CAFNR-wide, roaming office hours (2x a semester)
 - CAFNR retiree luncheon every semester
 - CAFNR division faculty meetings in the Fall
 - Staff town-hall meeting each Spring
- Provided leadership among neighboring land-grant institutions to recruit USDA agencies to Missouri.
- Established a pathway for federal and state legislators to discuss current agricultural issues with CAFNR.
- Strengthening alliances with critical partners and organizations including, but not limited to:
 - MO Departments of Agriculture; Conservation and Economic Development
 - Missouri Farm Bureau
 - Farm Credit Services of Missouri
 - Pork Producers Association
 - Cattlemen's Association and Beef Industry Council
 - Soybean Association and Merchandising Council
 - Corn Growers Association and Merchandising Council
 - Forest Products Association
 - Grape and Wine Institute
 - MO-AG Industry Council
 - Missouri Farmer's Care
 - Missouri Dairy Association
 - Missouri Egg Council
- Featured 75 accolades stories on the CAFNR website in 2019 about CAFNR faculty, staff, students and alumni receiving honors and awards, and individuals named to important leadership positions.

Cultivating a Diverse and Inclusive Community

CAFNR creates and nurtures healthy communities and a diverse culture by providing a welcoming, open-minded and vibrant environment with pathways to success for all. This commitment to diversity and inclusion will be realized by recruiting students, faculty, staff and partners from diverse backgrounds and mindsets, who work and learn together in a scholarly environment that teaches, empathizes and demonstrates the importance of the variety of local, regional and global viewpoints when cultivating a healthy world.

- Increased underrepresented minority (URM) student enrollment from 10% (F15) to 13.3% (F21); *D2D* goal is to increase URM population to reflect state demographics [state 18-24 year-old URM population is 21.8%].
- Announced the first CAFNR faculty fellow for inclusivity, diversity, equity and compassion (IDEC) to provide focused leadership for the college and oversight of the CAFNR inclusivity and diversity committee.
- Funded new Multicultural Scholarships – 7 scholarships awarded F19.
- Supported *CAFNR Connections* and *MANRRS*, student-led initiatives to instill a sense of belonging and inclusion within CAFNR for students of color.
- Launched *COMPASS* (CAFNR's Opportunity for Minorities: Promoting and Achieving Student Success), a peer-mentoring group to promote academic success, persistence and successful graduation of underrepresented students.
- Amended hiring practice to require IDEC statements for every ranked faculty hire in the college.
- Required every academic unit in CAFNR to pursue two IDEC goals, while providing monthly progress updates.
- Hosted Life Sciences Quest, a summer camp for high school students, marketed statewide in which 50% of participants who are URM attend MU.

Championing Global Citizenship and Engagement

CAFNR will be a global land-grant college with a physical and virtual presence strategically positioned around the world. Through learning, discovery and engagement, students, faculty and staff will address grand challenges that affect our interconnected world. Missouri-based solutions will contribute to healthy plants, animals and humans, and healthy communities, economies and ecosystems to improve the world.

- Assisted CAFNR faculty to receive 5 Norman Borlaug Scholar awards.
- Increased CAFNR visibility with international agencies and foundations by hosting the Borlaug luncheon at the World Food Prize event, attended by leaders from USAID, the USDA Foreign Ag Service, the African Development Bank and other international organizations.
- Hosted 18 Cochran fellows from Africa and South America and 6 Scientific Exchange Fellows from China.
- Provided seed funding for seven CAFNR faculty members to develop international collaborations and research partnerships.
- Developed seven MOUs with leading global research institutions, including China Ag University with whom CAFNR established "*The MU-CAU Joint Research Center for Water, Plants and the Environment.*"
- Provided scholarships for 10 CAFNR graduate students to attend and network at 2019 World Food Prize.
- Assumed fiscal management and supervision for the Deaton Institute and Scholars Program, a program dedicated to fighting global food insecurity.
- Coordinated the Missouri Youth Institute, which engaged Missouri high school students in food security issues and connected them to the Global Youth Institute.

2. Show-Me-State Food, Beverage and Forest Products Manufacturing Initiative

As a \$93B annual industry in Missouri, agriculture is the major economic engine for the state. The agricultural and natural resource industries in the state will grow with an increase to yields and the creation and expansion of agribusinesses. Similar to another successful initiative previously led for the state of North Carolina, now as Dean, CAFNR launched an effort for the value-added conversion of Missouri-based commodities to create ingredients and routinely used consumables, e.g., packaged food, beverages and wood-based byproducts. This initiative resulted in a detailed study that suggested, with a state-wide investment, Missouri's agricultural economy could grow by \$25B while adding 70,000 jobs. After receiving a strong endorsement from the Missouri Governor's office, the Lt. Governor created an Executive Order that charged a team of thought leaders from the state to create a plan. Aligning with the CAFNR strategic goal to double the economic impact of Missouri agricultural by 2030, a plan was designed and is currently being implemented to help Missouri 1) create a new industry to support food for health; 2) rapidly respond to opportunities or the expansion of Missouri commodities and 3) coordinate entrepreneurial assistance programs for all agribusiness owners across the state.

3. CAFNR Regeneration

In Spring 2020, MU initiated a rapid response to the COVID-19 global pandemic. To address public health concerns, the University returned students home to continue their education via remote and virtual means and altered the routine operations of its laboratories. This decision was mirrored by nearly every public and private enterprise throughout the state, country and world. The impact of this action changed the way in which a university educated and engaged stakeholders, while creating and translating knowledge.

To prepare CAFNR for a post-COVID world, CAFNR Regeneration was launched to improve efficiencies and effectiveness for instructional, research and operational modes. The results from this initiative overhauled the college-wide academic structure, and created 2 re-aligned divisions:

- Food, Nutrition and Exercise Sciences
- Plant Sciences and Technology

These divisions, joining 4 other existing CAFNR divisions, are now more focused and in better alignment with the *Drive to Distinction* strategic plan. Another major outcome of CAFNR Regeneration has created a new organizational structure and financial system for the Missouri Agricultural Experiment Station – the network of research farms and centers throughout the state. As part of this major overhaul to CAFNR, system efficiencies and cost savings will be realized to enable funding for new strategic investments and growth.

4. CAFNR Budget Model

An effective budget model distributes funds by acknowledging productivity and rewarding performance. It passes along to units within an organization all the benefits from revenue generation and the costs associated with routine operations. Funding for the CAFNR general revenue allocation is principally derived from support from federal and state governments (40%) and through student tuition (60%). Distribution of these funds to units within CAFNR has traditionally been based on historic decisions. Recently, CAFNR administration has designed a budgeting model that enables strategy to drive budget (budget should never determine strategy). This new budget model embraces increased transparency into budget decisions and enhanced stewardship of funds, while investing in those aspects of the college that are meeting key performance metrics and indicators as defined in the strategic plan. With all units in CAFNR driving towards a shared vision, the new model encourages more precise focus on revenue growth, including student credit hour generation, an expanded research portfolio and operational efficiencies, while minimizing costs associated with administrative functions.

North Carolina State University

Office of Research, Innovation & Economic Development

Vice Chancellor Research Fellow: 2016 - 2017

In cooperation with the NC State University (NC State) Office of Research, Innovation & Economic Development and the Office of Technology Commercialization & New Ventures, I led a study to create knowledge of entrepreneurial culture at peer and aspirational universities. My project proposed a concept for entrepreneurial endeavors to position NC State at the forefront of economic development practice among land-grant institutions.

Food, Biochemical & Engineered Systems

Co-Chair: 2016 - 2017

The NC State College of Agriculture and Life Sciences (CALS) conducted an efficiency identification study in 2015 that resulted in the restructuring of CALS by merging 6 of 16 departments, adjusting the college to 13 departments and segmenting the remaining departments with an associate dean and a department head as co-chairs. My initial responsibilities for the new system managed new faculty position requests, established a culture of cooperation among system units and created a seminar series to promote shared interests across the departments and centers of the new system.

Department of Food, Bioprocessing & Nutrition Sciences

Department Head: 2010 - 2017

The Department of Food, Bioprocessing and Nutrition Sciences (FBNS) had 30 faculty, 56 staff and more than 500 enrolled students. As Head, my responsibilities included the general administration, advancement of academic and research capabilities, coordination with Extension programs, fundraising and distanced learning ventures.

Having developed the FBNS strategic plan for 2013-2018, the department identified 4 core platforms for programmatic excellence:

- I. Food Safety & Foodborne Disease Prevention
- II. Food Manufacturing & Entrepreneurship
- III. Instructional Excellence & Innovation
- IV. Foods for Health & Well Being

The scientists and educators of FBNS embraced an integrated approach of the land-grant philosophy to address local and global challenges of food security, safety and nutrition through innovative teaching, scientific discovery and outreach to help provide an abundant food supply that is safe, affordable, healthy and enjoyable for citizens of North Carolina, the United States and the world.

The North Carolina Food Processing & Manufacturing Initiative: 2014 - 2017

In response to a request from community leaders and state legislators, I led an initiative that affirmed the feasibility of transforming North Carolina into a regional food processing destination. The decline of manufacturing industries created an underutilized capacity in North Carolina, particularly in rural communities. With legislated funding and in partnership with the NC Department of Agriculture and Consumer Services, the initial phase of the project commissioned a feasibility study to catalyze the development of value-added food manufacturing businesses in

North Carolina. The resulting study proposed four recommendations: 1) the creation of a new food products and processing innovation center on the NC State campus; 2) a statewide network of assistance programs and operations for aspiring food business entrepreneurs; 3) a concerted effort with state and local community leaders to create incentive packages for attracting new business; and 4) regulatory training and outreach programs for the food processing and manufacturing sector. Once implemented, the total direct and indirect impact of the North Carolina food value chain was projected to contribute 38,000 new jobs and an increase in associated economic output of \$10.3 billion.

Bioprocessing Science Undergraduate Teaching Coordinator: 2007 - 2010

The life science industries were the second largest segment of the North Carolina economy, *second only to agriculture*. At the time, no university programs were preparing scientists for this industry. This need provided the opportunity to lead faculty from FBNS and the campus community to create the first Bioprocessing Science (BBS) degree program in the country. This degree prepares scientists for the rapidly developing bio-based industries of North Carolina and the world. Students completing the BBS degree possess a working knowledge of cGMP principles and validation procedures. In this program, students experience designing and running a process, especially fermentation, cell culture and downstream processing for biomolecule production. With the added skills to analyze and integrate biomanufacturing unit operations and processing equipment, BBS graduates are prepared for careers in the applied biotechnology sector.

Food Rheology Laboratory Director: 1996 - 2017

The North Carolina State Food Rheology Laboratory was an integral part of FBNS, providing expertise for the measurement and analysis of flow and deformation of food, pharmaceutical and packaging materials. As director, I oversaw the supervision of daily operations and services of the facility, including staff members. The information generated by the laboratory was used for process design, product development and evaluation of processing effects on product quality and textural characteristics. Specifically, the research objective of the laboratory was the explanation of the physical chemistry, molecular-level interactions and functionality of a biosystem through understanding of rheological and tribological behavior.

Biomanufacturing Training and Education Center

Associate Director Academic Programs: 2004 - 2007

The Golden LEAF Biomanufacturing Training and Education Center (BTEC) is the internationally acclaimed center on the NC State Centennial campus devoted to workforce development that prepares scientists and engineers for careers in biomanufacturing. Funded in 2003 with a \$39M grant from North Carolina's Golden LEAF Foundation, the BTEC facility was the largest training center in the US, an 82,500 sq-ft, simulated-cGMP plant unit capable of manufacturing biopharmaceutical products and packaging them in a sterile environment. An interdisciplinary team of life science and engineering faculty work alongside experienced industrial staff to deliver a cadre of educational and training programs that produces a worker ready for job performance, day one. I was involved in this mega project from the outset, conducting routine interactions with legislators and politicians, industrial lobbying groups, community college partners and university administration. I participated in all aspects of the BTEC campaign, from concept to design and construction to curriculum development as the first associate director of BTEC, providing leadership for developing and launching the original academic programs.

Professional Activities

University of Missouri

National

- Institute of Food Technologists, Board of Directors (elected): 2020 - 2023
- Council for Agriculture Science and Technology, Board of Trustees: 2019 - 2022
- U.S. Pork Center of Excellence, Deans Advisory Council: 2021 - Present
- Graduate Institute of Cooperative Leadership, Board of Trustees: 2019 - Present

State/Regional

- MO-FEN Leadership Circle (MO Food & Beverage Manufacturing): 2021 - Present
- MO-5 Leadership Circle (MO Food & Beverage Manufacturing): 2020 - Present
- APLU North Central Administrative Head Section, Chair-Elect: 2020 - Present
- MO Food and Beverage Manufacturing Task Force: 2019
- MO Extension Ag Business & Policy Fruit and Vegetable Advisory Group: 2019 - Present
- Agricultural Business Council of Kansas City, Board of Directors: 2018 - Present
- Missouri Foundation Seed: 2017 - Present
- Missouri Innovation Center, Board of Directors: 2017 - Present
- Missouri Beef Industry Council, Board of Directors: 2017 - Present

North Carolina State University

Editorial Boards

- Journal of Food Process Engineering: 2003 - 2020
- Journal of Texture Studies editor-in-chief: 2010 - 2014
- Annual Reviews of Food Science & Technology: 2009 - 2014
- Journal of Texture Studies editor: 2007 - 2010
- Journal of Texture Studies: 2006 - 2014

Sigma Xi (NC State Chapter)

- Past-president: 2011
- President: 2010
- President-elect: 2009

Phi Tau Sigma (National)

- Member-at-large (elected): 2013 - 2017
- Chapters subcommittee chair: 2012 - 2013

Phi Tau Sigma (NC State Chapter)

- President: 2003
- Vice-president: 2002
- Secretary: 2001
- Counselor: 2000

Institute of Food Technologists

- Code of Professional Conduct ad hoc committee: 2016
- Emerging leaders mentoring panel: 2016

- Academics ad hoc co-chair: 2014 - 2015
- AMSPAP advisory panel: 2014
- Dogwood section: 1997 - 2017; member-at-large (elected) 2013 - 2017
- Award jury: 2007 - 2009
- Professional member: 2003 - Present
- Food Engineering Division (FED) newsletter associate editor: 2002
- FED past-chair: 2004 - 2005
- FED chair: 2003 - 2004
- FED chair-elect: 2002 - 2003
- FED secretary: 2001 - 2002
- FED graduate paper competition committee: 2002
- FED scholarship selection committee: 1996 - 1997
- Ozark section scholarship selection committee: 1997
- Conference of Food Engineering (CoFE) planning committee: 1998 - 1999
- CoFE food rheology technical session chair: 1999; 2001; 2003
- Food rheology symposium co-chair: 2000; 2001
- NC State student branch advisor: 1997 - 1999 (national chapter of the year, 1999); 2002 - 2004

NC-1023 (formerly NC-136) Regional Project

- Chair: 2003 - 2004
- Chair-elect: 2002 - 2003
- Secretary: 2001 - 2002
- Annual meeting host and organizer: 2000
- Project rewrite committee: 1999
- Station representative: 1999 - 2001

Professional Development Programs (Attended)

- FSLI: Food Systems Leadership Institute. CALS designee: 2013 - 2015
- Lead21: Leadership for the 21st Century: 2005 - 2006
- IFT Leadership Conference. Chicago, IL: August 16-18, 2002
- Polymer Science Workshop. NC State: May 18-19, 2000
- Third International Symposium on Confectionery Science. (1.0 CEU) Penn State University: November 14-16, 1999
- Advisers and Students: Partners for Success in a New Millennium. NC State: August 12, 1999
- Effective Teaching: A Workshop. NC State: August 12-14, 1997

University Service

University of Missouri

University

- Chancellors Cabinet: 2017 - Present
- Council of Deans: 2017 - Present
- College of Engineering Dean Search, Chair: 2020 - 2021
- Advancement Vice Chancellor Search: 2019 - 2020

College

- CAFNR Foundation, Board of Trustees: 2017 - Present
- CAFNR Administrative Leadership Council (CALC): 2017 - Present

North Carolina State University

University

- Safety committee, Chair: 2016 - 2017
- Intellectual property committee, senior ranking member: 2001 - 2017
- Lifelong faculty involvement: 2013 - 2016
- University stores: 2013 - 2016
- BTEC advisory board: 2012 - 2017
- Patent policies and procedures rewrite committee, Chair: 2010
- Dean of CALS search and nomination committee: 2004
- BTEC building committee: 2004 - 2005
- Grievance panel: 1997 - 2000
- D.H. Hill library task force: 2001

College

- Associate Dean for academic programs search committee, Chair: 2017
- Assistant Dean for business operations search committee: 2016
- Budget principles rewrite committee: 2015 - 2016
- Safety committee: 2014 - 2016; chair: 2015 - 2016
- Graduate student professional development workshop: 2014; Chair: 2015 - 2017
- Fresh produce food safety task force, co-Chair: 2015 - 2016; past Chair: 2016 - 2017
- Strategic planning steering committee: 2013
- Faculty scholars selection committee, Chair: 2012
- Research committee: 2008 - 2010
- Diversity management team: 2002 - 2003

Department

- Honors and awards committee: 2010 - 2017
- Bioprocessing science advisory board: 2009 - 2014
- Bioprocessing science faculty position search, Chair: 2005 - 2006
- Bioprocessing science organization committee: 2003 - 2005
- Name change task force chair: 2003
- Outreach committee: 1996 - 1998
- Library committee: 1997-98, Chair: 1999 - 2001
- Qualifying exam committee: 1997 - 2000; 2012
- Open house committee: 1997 - 1998; Chair: 1998
- Undergraduate committee: 1997 - 1999; 2005 - 2010; Chair: 2009
- Social and recreation committee: 1998 - 1999; 2010 - 2017
- Undergraduate scholarships: 1998 - 2000; 2008 - 2010
- Graduate student host committee faculty liaison: 1998 - 2000
- Graduate committee: 1999 - 2000
- Faculty retreat committee: 1999 - 2000
- Assessment committee: 1999 - 2004; Chair: 2006 - 2007