

# Anurag S. Mandalika

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## Education

Ph.D., Biological Systems Engineering, University of Wisconsin-Madison. August 2020  
(Minor in Chemistry)

M.S., Biological Systems Engineering, University of Wisconsin-Madison. August 2012

B.S., Biosystems Engineering, Clemson University. May 2010  
(Minor in Environmental Engineering)

## Research Interests

Biomass and Biofuels, Biorefining, Technoeconomic Assessment, Energy Policy

## Employment

Assistant Research Professor, Center for Energy Studies, Louisiana State University.  
August 2023-Present

Assistant Professor, Audubon Sugar Institute, Louisiana State University Agricultural  
Center. December 2021-July 23

Postdoctoral Researcher, Biological Systems Engineering, University of Wisconsin-  
Madison. November 2020-October 21

## Funded Research

### *Awarded*

Principal Investigator (with Franzen, Roberts, Rogers, and Wu), LSU Institute for Energy  
Innovation (2025) – Ground Truthing Biofuels Potential in Louisiana (\$99,959)

Senior Personnel (with Schoegl, et. al.), National Science Foundation (2024) – Louisiana  
Bio-Electric Fuel Incubator (\$6,050,089)

Principal Investigator (with Upton, Walker, Graft and Sagbansua), Future Use of Energy  
in Louisiana (2024) – Techno-economics of Carbon Capture and Sequestration (CCS) in  
Louisiana (\$165,863)

Co-Principal Investigator (with Kato, Ates, Flake, Garcia-Lopez, Greenway, Snow, and  
Vinyard), Big Ideas in STEM and Social & Behavioral Sciences - Provost's Fund for  
Innovation in Research (2024) - C2M: Converting CO<sub>2</sub> to Medicine: Establishing  
Microalgae Industry in Louisiana (\$50,000)

Principal Investigator (with Dooley and Snyder), LSU Institute for Energy Innovation (2024) – Sustainable Aviation/Maritime Fuels from Biomass Residues in Louisiana (\$149,941)

Co-Principal Investigator (with Upton, Flake, and Snyder), GNO, Inc (2024) – Potential for Clean Hydrogen Demand in Louisiana (\$30,000)

Co-Principal Investigator (with Butler and Bleuel), Louisiana Board of Regents (2023) – Precision in-field agricultural sensor for internal crop analysis (\$40,000)

Principal Investigator (with Maiti and Snyder), Carboniferous, LLC (2023) – Fugitive emissions from deterioration of biomass during storage (\$21,674)

Principal Investigator, Carboniferous, LLC (2023) – Characterization of Sugarcane Bagasse from Storage Piles (\$1,440)

Principal Investigator (with Terrell and Gaston), American Sugar Cane League Dedicated Research Funding (2023) – Development of a Secure Online Application (App) for Visualizing Factory Manufacturing Reports (\$10,450)

Principal Investigator (with Gaston), American Sugar Cane League Dedicated Research Funding (2023) – Real-time Monitoring of Crystal Size and Shape in Batch Vacuum Pans in Louisiana Raw Sugar Factories (\$9,600)

Principal Investigator (with LaBauve and Gautreaux), LSU AgCenter Diversity Mini-Grant (2022) – Showcasing the Diversity of STEM in Louisiana Sugarcane (\$1,624)

Principal Investigator (with Goldgaber), LSU Center for Collaborative Knowledge (2022) – Creation of Working Group for Researching Ethics in Automation and Artificial Intelligence (\$3,000)

Principal Investigator, Idaho Forestry Group (2022) – Evaporation and Thermal Properties of Tree Saps (\$7,500)

Principal Investigator (with Gaston), Shrijee Group (2022) - Demineralization of Sugarcane Juice to Improve Raw Sugar Yield (\$20,097)

Co-Principal Investigator (with Eggleston and Perez), American Sugar Cane League Dedicated Research Funding (2022) – Investigation of the Effect of High Starch Concentrations on Lowering Molasses Exhaustion in the 2021 LA Grinding Season (\$10,000)

Principal Investigator, American Sugar Cane League Dedicated Research Funding (2022) – Real-time Measurement of Supersaturation in Louisiana Vacuum Pans (\$16,000)

### *Pending*

Senior Personnel (with Khonsari, Upton, and Zappi), US National Science Foundation (2025) – SHINE-LOUISIANA: Sustainable Hydrogen Initiative for a New Economy in Louisiana via the Louisiana Green H<sub>2</sub> (LGH<sub>2</sub>) Collaboratory (\$1,174,997)

Principal Investigator (with Barzee and Drapcho), USDA NIFA-AFRI (2024) –  
*Valorization of Sugarcane Factory Molasses for Biofuels and Biomaterials* (\$299,987)

## Research

### *Peer-Reviewed Articles*

Goldgaber, D; Mandalika, A. Ethics of AI and Automation in Digital Agriculture, Agricultural & Applied Economics Association *Choices Magazine* (2025)

Mandalika, A; Runge, T; Ragauskas, A; Membrane Separations in Biomass Processing. *ChemPlusChem* (2024), e202400497.

Mandalika, A; Runge, T; Iron Complexation by Biomass Model Compounds. *Environmental Sciences: Advances* (2024), 3, 1616-1627.

Mandalika, A.; Chou, K; Decker, S; Biohydrogen: Prospects for Industrial Utilization and Energy Resiliency in Rural Communities. *Frontiers in Industrial Microbiology* (2024), 2, 1428686.

Bampasidou, M; Goldgaber, D; Gentimis, T; Mandalika, A. Overcoming “Digital Divides”: Leveraging Higher Education to Develop Next Generation Agriculture Professionals. *Computers and Electronics in Agriculture* (2024) 224, 109181.

Ordonez, S.I.; Perez, M.D.C.; Mandalika, A.; Eggleston, G., How a Clarification Aid can Affect Polarimetric Analysis of Sugarcane Juices. *Sugar Industry* (2023) 148, (12), 750-759.

Mandalika, A., Stakeholder Perspectives on sensors and automation in the Louisiana sugarcane industry. *Sugar Tech* (2023), 25, (4), 1000-1004.

Mandalika, A.; Bragg, D.; Schuler, J.; Elder, T.; Groom, L., Chemical Analysis of Loblolly Pine Fractions from a Bioenergy Perspective. *Wood and Fiber Science* (2019), 51, (1), 26-40

Mandalika, A.; Runge, T., Addition of corn stover arabinoxylan into hardwood during pulping for improved physical properties. *TAPPI Journal* (2017), 16, (9), 495-504

Sun, Q.; Mandalika, A.; Elder, T.; Nair, S.; Meng, X.; Huang, F.; Ragauskas, A., Nanocomposite Film Prepared by Depositing Xylan on Cellulose Nanowhiskers Matrix. *Green Chemistry* (2014), 16, (7), 3458-3462

Šimkovic, I.; Kelnar, I.; Uhliariková, I.; Mendichi, R.; Mandalika, A.; Elder, T., Carboxymethylated-, hydroxypropylsulfonated- and quaternized xylan derivative films. *Carbohydrate Polymers* (2014), 110, 464-471

Mandalika, A.; Qin, L.; Sato, T.; Runge, T., Integrated biorefinery model based on production of furans using open-ended high yield processes. *Green Chemistry* (2014), 16, (5), 2480-2489

Mandalika, A.; Runge, T., Enabling integrated biorefineries through high-yield conversion of fractionated pentosans into furfural. *Green Chemistry* (2012), 14, (11), 3175-3184

Joshi, H; Moser, B; Shah, S.; Mandalika, A; Walker, T., Improvement of fuel properties of cottonseed oil methyl esters with commercial additives. *Eu. J. Lipid Sci. Tech.* (2010), 112, (7), 802-809

### *Works Under Review*

Adebayo, D; Flake, J; Mandalika, A\*; Narra, S; Upton, G. Blue Hydrogen and U.S. Tax Credit Policy: An Economic Assessment of 45Q and 45V Incentives Under a Changing Federal Policy. *Energy Policy*

Chou, K; Mandalika, A. (with Rossi, Logan, Beliaev, Beyenal, Elgowainy, Wendt, Maness, Sundstrom, and Croft). Advanced Pathways for Clean Hydrogen Production: A collective view from a technical experts meeting. *Energy and Environmental Science*

Mandalika, A; Snyder, B. Biomass-based Carbon Dioxide Removal as Nature Assisted Climate Solutions in *Sustainable Development with Carbon Capture, Utilization & Storage Technology* (Eds. Kumar, Agrawal, Singla), Springer Nature (Book chapter)

Mandalika, A; Burlawar, S; Runge, T. Membrane Ultrafiltration of  $\gamma$ -Valerolactone Organosolv Woody Biomass Hydrolysates, *BioResources*

### *Works Under Preparation*

Narra, S; Mandalika, A\*; Fitzgerald, T; Snyder, B. Potential for Biohydrogen Production in the United States: A Granular Assessment

Mandalika, A; Snyder, B; Arumugam, A; Dutta, M; Maiti, K. Fugitive Emissions from Biomass Deterioration During Storage

Mandalika, A; Snyder, B; Reams, A. Perceptions of the Energy Transition Among Students at Louisiana's Flagship University

Mandalika, A; Larson, R; Edwards, R; Schauer, J. Assessing Workplace Area Concentrations and Personal Exposure to Hydrogen Sulfide, Ammonia, and Particulate Matter Emissions During Agitation of Manure Storages

### *White Papers*

Mandalika, A. The Biofuels Landscape in Louisiana, Center for Energy Studies White Paper. July 2025

Mandalika, A; Flake, J; Snyder, B; Upton, G. The Potential for Hydrogen in Louisiana, Center for Energy Studies White Paper

### *Extension and Trade Journals*

Poole, M; Mandalika, A; *Should Sugarcane Sing*, 64 Parishes (Louisiana Endowment for the Humanities). September 2025

Mandalika, A; Snyder, B. How might tariffs impact U.S. biomass industries, and are there hidden opportunities for these sectors? International Association for Energy Economics (IAEE) Energy Forum. July 2025

Mandalika, A. Louisiana Sugarcane is Ripe for Automation in Louisiana Agriculture, LSU AgCenter, September 2023

Mandalika, A. Prospects for Automation in Louisiana Raw Sugar Factories in Sugar Bulletin, American Sugar Cane League, September 2023

Terrell, E.; Mandalika, A. Effects of Harvest Temperature and Rainfall on Molasses Purity in Sugar Bulletin, American Sugar Cane League, September 2022

Mandalika, A. Roadmap to Factory Automation in Sugar Bulletin, American Sugar Cane League, June 2022

Mandalika, A. Automation in the Sugarcane Industry: Prospects for the Future in Audubon Sugar Institute Factory Operations Seminar. March 2022

### *Multimedia*

Mandalika, A; LaBauve, R; Gautreaux, C. Working at a Sugar Mill, LSU AgCenter (YouTube), September 2023

### *Working Papers*

Ocean Storage of Biomass – Scientific Review. Puro.earth. (2024)

### **Peer Reviews**

Sustainable Energy & Fuels (Royal Society of Chemistry), 2025

Biomass Conversion and Biorefinery (Springer Nature), 2025

US Department of Agriculture (USDA) – Sustainable Agriculture Research and Education (SARE) Grant Proposal, 2025

US Agency for International Development (USAID) Middle East Regional Cooperation – Sustainable Waste Management Program, 2024

US Department of Energy (USDOE) Advanced Research Projects Agency-Energy (ARPA-E) Vision OPEN, 2024

US Department of Agriculture (USDA) - Agricultural Research Service (ARS) internal review, 2024

US Department of Agriculture (USDA) - Sustainable Agriculture Research and Education (SARE) Grant Proposal, 2023

US Department of Agriculture (USDA) - Sustainable Agriculture Research and Education (SARE) Southern Graduate Student Grant Proposals, 2022

US Department of Agriculture (USDA) – Agricultural Research Service (ARS) internal review, 2022

US Department of Agriculture – Agricultural Research Service (ARS) internal review, 2022

Wood and Fiber Science journal (International Society of Wood Science and Technology), 2021

PLOS One (Public Library of Science), 2020

## Teaching

Guest Lecturer-Biofuels, LSU Center for Energy Studies Energy Fundamentals short course. June 2025

Guest Lecturer-Biomass and Biofuels, Energy and Environment Course, Louisiana State University, 2025

Instructor-Special Topics in Environmental Sciences, Louisiana State University, 2024

Guest Lecturer-Biofuels, LSU Center for Energy Studies Energy Fundamentals short course. July 2024

Guest Lecturer-Redox Reactions, LSU Center for Energy Studies Energy Fundamentals short course. July 2024

Teaching Assistant-Renewable Energy Systems, University of Wisconsin-Madison, 2016-17

Teaching Assistant-General Chemistry, University of Wisconsin-Madison, 2019

## Outreach

### *Presentations*

*Upcoming.* Methane Production from Storage of Sugarcane Bagasse at the American Geophysical Union 2025 (AGU25) meeting. New Orleans, LA. December 2025 (with Datta, Arumugam, Maiti, and Snyder)

*Upcoming.* Technoeconomics and Life Cycle Emissions of Sustainable Aviation Fuel Production at the 42<sup>nd</sup> US Association for Energy Economics North American Conference, Dallas, TX. November 2025 (with Dooley and Snyder)

*Upcoming.* Technoeconomics of Carbon Capture and Sequestration at the 42<sup>nd</sup> US Association for Energy Economics North American Conference, Dallas, TX. November 2025 (with Groft, Sagbansua, Upton, and Walker)

*Upcoming.* Blue Hydrogen and U.S. Tax Credit Policy: An Economic Assessment of 45Q and 45V Incentives Under a Changing Federal Policy at the Louisiana House of Representatives Clean Hydrogen Task Force Meeting, Baton Rouge, LA. October 2025 (with Upton and Flake)

The Biofuels Landscape in Louisiana at the Louisiana Energy Resources Symposium, Baton Rouge, LA. September 2025

The Potential for Hydrogen in Louisiana at the 46<sup>th</sup> International Association for Energy Economics International Conference, Paris, France. June 2025 (with Upton, Flake, and Snyder)

New Energy Markets and Potential Benefits for Forest Health at LSU AgCenter Pest Safety Education Program Recertification Meeting, Alexandria, LA. May 2025

Biomass in Louisiana – Renewable Carbon and Fuels at the LSU Department of Environmental Sciences Seminar, Baton Rouge, LA. March 2025

Sustainable Aviation Fuel in Louisiana at the Louisiana Clean Fuels Annual Stakeholder Meeting, Baton Rouge, LA. January 2025

Sustainable Aviation/Maritime Fuels from Biomass Residues in Louisiana at the Industry-LSU Energy Innovation Workshop, Baton Rouge, LA. November 2024

Potential for Hydrogen in Louisiana - Applications in Energy Generation and Industrial Uses at the US Association for Energy Economics/ International Association for Energy Economics 41<sup>st</sup> North American Conference, Baton Rouge, LA. November 2024

Clean Hydrogen – Beyond Transportation at the Wisconsin Energy Institute Sustainable Energy Seminar Series, Madison, WI. October 2024

The Potential for Hydrogen in Louisiana at the Louisiana House of Representatives Clean Hydrogen Task Force Meeting, Baton Rouge, LA. September 2024 (with Upton)

Landscape for Biofuels and Hydrogen in Louisiana at LSU Center for Energy Studies Advisory Council, Baton Rouge, LA. September 2024

Energy and Fuels from Biomass Wastes in Louisiana at LSU Institute for Energy Innovation, Baton Rouge, LA. August 2024

Biomass and Biofuels at Center for Energy Studies Energy Fundamentals short course, Baton Rouge, LA. July 2024

Potential for Clean Hydrogen Demand in Louisiana at American Institute of Chemical Engineers (AIChE) International Congress on Sustainability Science & Engineering (ICOSSE '24), Houston, TX. June 2024

Valorizing Biomass Residues for Industrial Decarbonization at American Society of Agricultural and Biological Engineers (ASABE) Circular Bioeconomy Series talk. May 2024

New Energy Markets and Potential Benefits for Forest Health at LSU AgCenter Pest Safety Education Program Recertification Meeting, Alexandria, LA. May 2024

The Biofuels Landscape in Louisiana at Center for Energy Studies brown bag seminar, Baton Rouge, LA. May 2024

Decarbonization - Biobased Feedstocks at Center for Energy Studies Decarbonization Workshop, Baton Rouge, LA. March 2024 (with Butler)

Potential for Carbon Dioxide Removal Using Agricultural Wastes in Louisiana at Center for Energy Studies Energy Transition Symposium, Baton Rouge, LA. October 2023

The Louisiana Energy Transition at Center for Energy Studies Brown Bag Seminar, Baton Rouge, LA. May 2023

Real-time Measurement of Supersaturation in Louisiana Batch Vacuum Pans at Audubon Sugar Institute Factory Operations Seminar, St. Gabriel, LA. 2023 (with Gaston and Beaulieu)

Producing Sugar in Louisiana at American Society of Agricultural and Biological Engineers (ASABE) Member Hour, Virtual. 2023

Rapid Analysis of the Moisture Content of Press Cane at XXXI International Society of Sugar Cane Technologists Congress, Hyderabad, India. 2023 (with Imbachi-Ordonez, Triplett, and Eggleston)

How Sugarcane Vinegars Compare to Other Commercial Vinegars: Composition and Health Benefits at XXXI International Society of Sugar Cane Technologists Congress, Hyderabad, India. 2023 (with Eggleston, Teixeira, and Aita)

How a Clarification Aid can Affect Your Polarimetric Analysis of Sugarcane Juices at XXXI International Society of Sugar Cane Technologists Congress, Hyderabad, India. 2023 (with Imbachi-Ordonez, Perez, and Eggleston)

First Online Crystallization Microscope installed in a Louisiana Raw Sugar Factory at 2022 Joint Annual Conference of LSU AgCenter and Southern University AgCenter, Baton Rouge, LA. 2022 (with Gaston)

Automation in the Sugarcane Industry: Prospects for the Future. Audubon Sugar Institute Factory Operations Seminar, St. Gabriel, LA. 2022

Manure emissions during agitation and processing at Waste to Worth, Livestock and Poultry Environmental Learning Community. 2022 (with Larson)

Biomass-supported iron for arsenic removal from groundwater at CALS Go-Global, Madison, WI. 2019 (with Runge)

Addition of biomass hemicellulose into hardwood pulps to improve properties at TAPPI PEERS Conference. Jacksonville, FL. 2017 (with Runge)

Biorefinery model based on the co-production of furfuryl alcohol and cellulosic ethanol in aqueous media at WARF Discovery Challenge. Madison, WI. 2015

Biorefinery model based on the co-production of furfuryl alcohol and cellulosic ethanol at Earth Day Conference, University of Tennessee, Knoxville. 2015 (with Runge)

Thermal Properties of Loblolly Pine from Naturally Regenerated Stands at Society of Wood Science and Technology Joint International Convention. Austin, TX. June 2013 (with Elder, Groom, Bragg, and Schuler)

Producing Furfural from Biomass in an Integrated Biorefinery at S1041: The Science and Engineering for a Biobased Industry and Economy conference. Washington DC. August 2012 (with Runge)

Improved Method of Producing Furfural from Biomass at the ASABE Annual International Meeting. Dallas, TX. July 2012 (with Runge)

Furfural production strategies for biorefineries at the Oklahoma EPSCOR Conference. Stillwater, OK. July 2011 (with Runge)

Biodiesel Cold Flow Additives at the ACC 5<sup>th</sup> Annual Meeting of the Minds Undergraduate Research Conference. Atlanta, GA. April 2010 (with Joshi and Walker)

Improvement of biodiesel cold flow properties at the ASABE GA/AL Regional Conference. Columbus, GA. April 2010 (with Joshi and Walker)

Blending ethyl levulinate with biodiesel at the SC Biofuels Summit. Florence, SC. October 2009 (with Joshi and Walker)

### *Invited Talks*

Moderator, Driving Change: Renewable Fuels and the Road to Decarbonization at the Clean Fuels Summit, Baton Rouge, LA. October 2025

Panelist, Carbon Capture, Utilization & Storage: Next-Generation Technologies and Pathways at the LSU CO<sub>2</sub> Technology Symposium, Baton Rouge, LA. September 2025

Panelist, Carbon Removal at the National Wildlife Federation (NWF) Fellows Meeting, Baton Rouge, LA. July 2025

Visting Faculty and SEC Faculty Travel Grant recipient at the Ragauskas Laboratory, Knoxville, TN. July 2025

Moderator, Roundtable on Understanding Wider Business and Industry Implications of Biomass at the Louisiana Industrial Future Energy Forum, Baton Rouge, May 2025

Moderator, Panel on Biomass Innovations for Energy Resiliency at the Louisiana Industrial Future Energy Forum, Baton Rouge. May 2025

Panelist, Industry-driven R&D at the CERAWeek, Houston. March 2025

Panelist, Alternative Fuels in Focus at the Energy Independence Summit, Washington, DC. February 2025

### *Demonstrations*

Renewable Energy – Hydrogen at Coushatta Tribe summer camp, Elton, LA. June 2024

Demonstration of Calorific Value in Foodstuffs at LSU Super Science Saturday, Baton Rouge, LA. October 2023

### *Workshops*

*Upcoming.* Louisiana Hydrogen Fueling Station Workshop at the National Association of State Energy Officials (NASEO). September 2025

Louisiana Frontiers Project Meeting at the Atlantic Council. Baton Rouge, LA. March 2025

Developing the Enabling Environment for Low-Carbon Energy Products in the Gulf Coast Region at the Atlantic Council Global Energy Center. Washington, DC. February 2025

Industry-LSU Energy Innovation Workshop at Louisiana State University. Baton Rouge, LA. November 2024

Workshop with National Labs on Low-Carbon Base Chemicals at the Greater Houston Partnership. Houston, TX. November 2024

Newlab x FUEL SPINOUT Bootcamp at the Greater New Orleans, Inc. New Orleans, LA. November 2024

Developing the Enabling Environment for Low-Carbon Energy Products in the Gulf Coast Region at the Atlantic Council Global Energy Center. Houston, TX. October 2024

Hydrogen Shot Advanced Pathways Technical Experts Meeting hosted by the US Department of Energy. April 2024

### *Media Coverage*

1012 Industry Report. “From batteries to biofuels, LSU is investing \$1M in energy research”. July 1, 2025

Biz New Orleans. “FUEL Awards Six Groundbreaking Energy Innovation Projects in Louisiana”. February 14, 2025

## Service

### *Mentorship*

Advisor to Damilola Adebayo, PhD student in Economics, LSU, Baton Rouge, LA

Committee member to Zachary Laird, MS student in Environmental Sciences, LSU, Baton Rouge, LA

Committee Chair and Advisor to Peter Gaston, MS student in Biological and Agricultural Engineering, LSU, Baton Rouge, LA

Dean's Representative for the committee of Brian Grove, Doctoral candidate in Mathematics, LSU, Baton Rouge, LA

### *Service Activities*

Vice-Chair, Circular Bioeconomy Systems Institute (CBSI), American Society for Agricultural and Biological Engineers (ASABE)

Planning Committee Member, Energy Independence Summit 2026, Washington, DC

Member, Future Leaders Council, Public Affairs Research (PAR) Council Louisiana, Baton Rouge, LA

Member, Baton Rouge Clean Air Coalition, Baton Rouge, LA

Participant, Louisiana delegation congressional staffers for the US Senate and House with Louisiana Clean Fuels and Clean Cities Coalition, Washington, DC

Evaluation Panel Member for USDA-ARS SRRC Physical Science Technician Position, New Orleans, LA

Technical Lead for NSF I-Corps Southwest Hub IdeaLaunch program, supervising Zachary Laird and Morgan Cole, Environmental Sciences, LSU, Baton Rouge, LA

Member, LSU Digital Agriculture Team, Baton Rouge, LA

Co-convener, Ethics in AI and Automation in Agriculture, LSU Center for Collaborative Knowledge and LSU Ethics Institute, Baton Rouge, LA

Member, Audubon Sugar Institute Apprenticeship Committee, LSU AgCenter, Baton Rouge, LA

Chair, Audubon Sugar Institute Pilot-plant Committee, LSU AgCenter, Baton Rouge, LA

Fundraiser, Bicycle advocacy for disable artists, Madison, WI

Tutor, Conversational English at the Literacy Network of Dane County, Madison, WI

*Anurag S. Mandalika*

Volunteer, Builder with University of Wisconsin-Madison Habitat for Humanity, Madison, WI

Editorial cartoonist and opinion columnist for The Daily Cardinal, Madison, WI

Middle school STEM tutor, Badger Volunteers, Madison, WI

Bike mechanic at Wheels for Winners, Badger Volunteers, Madison, WI

Editorial cartoonist for The Tiger, Clemson, SC

### *Professional Society Affiliations*

Member, American Society of Agricultural and Biological Engineers, ASABE, 2009 – Present

Member, Circular Bioeconomy Systems Institute of the ASABE, 2023 - Present

Member, United States Association for Energy Economics, 2024 - Present

Member, American Society of Sugar Cane Technologists, ASSCT, 2022 – 2023

Member, International Society of Sugar Cane Technologists, ISSCT, 2022 – 2023

Member, USDA-NIFA S1090, AI in Agroecosystems, 2023 – Present

### *Awards/Fellowships*

Southeastern Conference (SEC) Faculty Travel Grant, 2024

LSU AgCenter Grantsmanship Academy, LSU AgCenter, 2022

Louisiana Discovery-Integration-Application faculty fellowship, Louisiana Sea Grant. 2022

5<sup>th</sup> Annual Atlantic Coast Conference (ACC) Meeting of the Minds conference. 2010