

3-29-2019

Annual Research Awards Banquet, 2019

Follow this and additional works at: <https://scholarsjunction.msstate.edu/ored-research-awards>

Recommended Citation

"Annual Research Awards Banquet, 2019" (2019). *ORED Research Awards*. 1.
<https://scholarsjunction.msstate.edu/ored-research-awards/1>

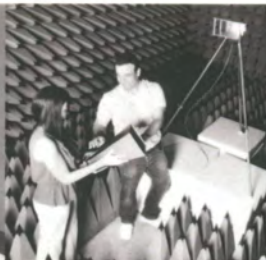
This Text is brought to you for free and open access by the Office of Research and Economic Development at Scholars Junction. It has been accepted for inclusion in ORED Research Awards by an authorized administrator of Scholars Junction. For more information, please contact scholcomm@msstate.libanswers.com.



ANNUAL RESEARCH AWARDS BANQUET

FRIDAY, MARCH 29, 2019
HUNTER HENRY CENTER

*Hosted by the Vice President for Research and Economic Development
and the Vice President for Agriculture, Forestry and Veterinary Medicine*



MISSISSIPPI STATE UNIVERSITY



RESEARCH AWARDS BANQUET 2019

Thank you for joining us for this year's Annual Research Awards Banquet at Mississippi State University. As our state's leading university, Mississippi State-led research is an unrivaled success story, and each of you plays a role in that success.

We look forward to celebrating the talented and hard working people who have contributed to our research enterprise, and honoring many of you for your special achievements. Today, we say thank you and congratulations for a job well done.

David Shaw
*Vice President for
 Research and Economic Development*

Greg Bohach
*Vice President for Agriculture,
 Forestry and Veterinary Medicine*

PROGRAM

LUNCH

WELCOME

KEYNOTE ~ PRESIDENT MARK E. KEENUM

OPENING REMARKS

PRESENTATION OF AWARDS



COLLEGE OF AGRICULTURE AND LIFE SCIENCES AND MAFES

DR. GEORGE HOPPER

Faculty: Caleb Lemley

Research Support: Ryan Whitehouse

Graduate Student: Bhupinder Singh

Undergraduate Student: Austin Drury

COLLEGE OF FOREST RESOURCES AND FOREST AND WILDLIFE RESEARCH CENTER

DR. GEORGE HOPPER

Faculty: Garrett Street

Research Support: Edward Entsminger

Graduate Student: Guangmei Cao

Undergraduate Student: Isabella Durham

COLLEGE OF VETERINARY MEDICINE

DR. KENT HOBLET

Faculty: Matthew Ross

Research Support: Wei Tan

Graduate Student: Navatha Alugubelly

Undergraduate Student: Thomas (Tom) P. Miles

COLLEGE OF ARCHITECTURE, ART AND DESIGN

DR. GREG HALL

Faculty: Dominic Lippillo

Research Support: Thomas Gregory

Undergraduate Student: Justin Tyler Scott

COLLEGE OF ARTS & SCIENCES

DR. RICK TRAVIS

Faculty: Keith Moser

Research Support: Rhonda Hannah

Graduate Student: Melanie Stearns

Undergraduate Student: Katrina Kosatka

COLLEGE OF BUSINESS

DR. SHARON OSWALD

Faculty: Merrill Warkentin

Research Support: Will Tabor

Graduate Student: Bryce Given

COLLEGE OF EDUCATION

DR. TERESA JAYROE

Faculty: Jennifer Cmar

Research Support: Lori Staggs

Graduate Student: Shengtian Wu

Undergraduate Student: Blake Haney

BAGLEY COLLEGE OF ENGINEERING

DR. JASON KEITH

Faculty: Linkan Bian

Research Support: Michael Gibson

Graduate Student: Ge He

Undergraduate Student: Paulino "PJ" Jarquin

MERIDIAN CAMPUS

DR. TERRY DALE CRUSE

Faculty: Lindon Ratliff

Graduate Student: Matthew Blackwell

Undergraduate Student: Megan Moffett

UNIVERSITY CENTERS AND INSTITUTES

DR. TERESA GAMMILL

Faculty: Haibo Yao

Research Support: Brandy Akers

Undergraduate Student: Lucas Whittenton

OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT

DR. TERESA GAMMILL

Graduate Student: Jacqueline Monnet

RALPH E. POWE RESEARCH EXCELLENCE AWARD

DR. DAVID SHAW AND DR. REUBEN MOORE

Steve Demarais

MSU INTELLECTUAL PROPERTY INVENTORS, FY 2018

MR. JEREMY CLAY

PATENT INFORMATION

COLLEGE OF AGRICULTURE AND LIFE SCIENCES-MAFES

Shien Lu, jointly with Ganya Gu

"Engineering the Production of a Conformational Variant of Occidiofungin That Has Enhanced Inhibitory Activity Against Candida Species"

(European Patent No. 2925774 – Issued 1/31/2018)

This invention relates to antifungal compounds and their therapeutic use in the prevention or treatment of fungal infections and diseases. Particularly, various aspects of the invention provide compositions enriched for occidiofungin diastereomers/conformers that have higher activity against fungal infections or diseases (in mammals and plants).

COLLEGE OF AGRICULTURE AND LIFE SCIENCES-MAFES

Steven Demarais, jointly with Bronson Strickland, and Jeremy Flinn

“Buck Score Aging Application”

(Patent No. 9,842,277 – Issued 12/12/2017)

The present invention provides a novel method and system utilizing computer software for calculating, estimating, analyzing, comparing, and displaying ages of animals, such as deer, bovinds, and pronghorns, from the analysis of digital data and/or photographs.

COLLEGE OF AGRICULTURE AND LIFE SCIENCES-MAFES

Edilberto D. Redoño, jointly with Timothy W. Walker and Dwight G. Kanter

“Thad (Oryza sativa L. Rice, RU9804054, RU1104077)”

(Plant Variety Patent No. 201600309 – Issued 3/21/2018)

Thad is one of the few high amylose conventional varieties in the southern US with intermediate gelatinization temperature. This is known in the industry as the ‘Newrex’ type whose cereal chemistry profile is preferred in the parboil rice and canned rice industry. The high amylose trait is also the preferred grain quality type in existing and potential markets for Mississippi rice, such as Central America and Cuba, respectively, where consumers desire firm and loose-cooking rice.

COLLEGE OF AGRICULTURE AND LIFE SCIENCES-MAFES

Nathan S. Little, jointly with John J. Riggins, and Tor P. Schultz

“Enhancement of Subterranean Termite Bait Stations With the Use of Wood Bait Containing Blue Stain Fungi (Ophiostoma spp.)”

(Patent No. 9,924,706 – Issued 03/27/2018)

Termites are attracted to blue-stained pine. Termite bait stations are placed in the soil around homes, buildings, and use wood as a feeding attractant for randomly foraging subterranean termites. This wood bait is treated with a slow acting toxicant. Termite workers feed on the wood bait and any chemicals it may contain while recruiting other termites to the site. Termite workers feed other castes within the colony, which slowly die off after ingesting the toxicant. If one can increase the “attractiveness: of the bait source within the bait station to subterranean termites or the consumption of the toxicant contained within, the effectiveness of the poisoned bait station is increased, and the homelbuilding is better protected against subterranean termites.

MAFES/ COLLEGE OF ENGINEERING/ CAVS

Prabu Rajkumar jointly with Mark Horstemeyer and Gustavus Alston Rush

“Shock-Wave Mitigating Helmets”

(Patent No. 9,820,522 – Issued 11/21/2017)

The invention relates to helmets that protect a wearer’s head and reduce the likelihood of the wearer experiencing Mild Traumatic Brain Injury (MTBI), Chronic Traumatic Encephalopathy (CTE), or other types of injuries.

COLLEGE OF VETERINARY MEDICINE

Mark L. Lawrence with Attila Karsi

“Development of live attenuated *Edwardsiella ictaluri* vaccine ESC-NDKL1 against enteric septicemia of catfish and evaluation of immersion, oral, and immersion oral vaccinations”

(Patent No. 9,700,611 – Issued 7/11/2017)

This invention includes the mutations in genes encoding two TCA cycle enzymes and one CI metabolism enzyme to develop a triple E. ictaluri mutant names ESC-NDKL1. It also includes an immersion and immersion/oral vaccination of catfish fingerlings and fry in laboratory and earthen ponds. Finally, it includes efficacy testing of ESC-NDKL1 and the use of it as a delivery vehicle.

COLLEGE OF ENGINEERING/CAVS

Wilburn Whittington jointly with Andrew Oppedal

“Serpentine Load Monitoring Apparatus”

(Patent No. 9,863,859 – Issued 1/9/2018)

This invention includes various embodiments of systems and methods related to a load monitoring apparatus for testing of a material. The load monitoring apparatus may comprise a primary bar and one or more nested tubes substantially surrounding a portion of the primary bar. The one or more nested tubes are connected in series at alternate ends of the one or more nested tube. Further, the primary bar may comprise one or more sensors used to extract load sampling and monitor reflections of signals traversing the load monitoring apparatus.

2018-2019 WILLIAM L. GILES FACULTY LEADERSHIP PROGRAM

Todd Archer, *Associate Professor, Department of Clinical Sciences, CVM*

Critz Campbell, *Associate Professor, Department of Art*

Adam Knight, *Associate Professor, Department of Kinesiology*

Jamie Larson, *Associate Professor, Department of Animal and Dairy Science*

Yucheng Liu, *Associate Professor, Department of Mechanical Engineering*

Julia Osman, *Associate Professor, Department of History*

Mabel Okojie, *Professor, Department of Instructional Systems and Workforce Development*

Brian Shoup, *Associate Professor, Department of Political Science and Public Administration*

Darrell Sparks, *Associate Professor, Department of Biochemistry, Molecular Biology*

Kathleen Thomas, *Professor, Department of Finance and Economics*

CLOSING REMARKS

DR. DAVID SHAW

THANKS AND RECOGNITION

CONFLICT OF INTEREST REVIEW COMMITTEE

Kalyn Coatney
Jenny Davis
Kathy Dooley
Kevin Enroth
Mike Highfield
Mark Lawrence
Joan Lucas
Bart Moffatt
Judy Spencer
Lesley Strawderman
Kacey Strickland
David Van Landingham
Ken Willeford
Lynn Wyman

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

Chris Ayers
Alejandro Banda
Loren "Wes" Burger
James "Ryan" Butler
David Christiansen
Jack Forbus
Mark Guyton
Bill Herndon
Elizabeth Ann Herndon
Aaron Kiess
Robert Meyer
Chuck Mischke
Trent Peacock
Brain J. Rude
Lucy Senter
Trent Smith
Kacey Strickland
Elizabeth Swanson
Justin Thornton
Andrea Varela-Strokes
Bridget Willeford

INSTITUTIONAL BIOSAFETY COMMITTEE

Clarissa J. Balbalian
John Brooks
Clara Huston
Curtis Jernigan
Attila Jarsi
Christina Lucas
Alicia Olivier

Michael Parsons
Trent Peacock
G. Todd Pharr
John Stokes
Clifton Story
Kacey Strickland
Justin Thornton

INSTITUTIONAL REVIEW BOARD FOR THE PROTECTION OF HUMAN SUBJECTS IN RESEARCH

Kevin Armstrong
Kari Babski-Reeves
David Baggett
Reuben Burch
Nicole Cobb
Anastasia Elder
Patricia Faver
Steven Grice
Morgan Harrison
Adam Knight
Tom Ritter
Cliff Story
Kacey Strickland
Amanda Tullos
John Usher
Benjamin Wax

RADIOLOGICAL, CHEMICAL AND LAB SAFETY COMMITTEE

Peter Allen
Erin Brinkman
Todd W. French
Jamie E. Larson
Giselle T. Munn
Peter L. Ryan
Keun Seok Seo
Paul Te-Ming Tseng
Charles A. Waggoner
Scott T. Willard

MISSISSIPPI SCHOOL FOR MATHEMATICS AND SCIENCE RESEARCH PROGRAM MENTORS - FALL 2018/SPRING 2019

Manav Bhatia
Ganesh Bora
Heejin Cho
Xin Cui
Hilary DeShong

Amanda Diegel
Joseph Emerson
Nick Fitzkee
Donna Gordon
Federico Hoffman
Donghoon Kim
Ling Li
Hyeona Lim
George Mason
Todd Mlsna
Danielle Nardoff
Arazais Oliveros
Amanda Patrick
Andy Perkins
Michael Pratte
Hongjoo Rhee
Tonya Stone
Edwin Webster
David Wipf
Maxx Young
Dongmao Zhang

FACULTY LEADERSHIP
PRESENTERS - FALL 2018/
SPRING 2019

Austin Check
Darrell Easley
Julie Jordan
President Mark E. Keenum
Alan Marcus
Eric Moyen
Melissa Moore
Roy Ruby
Rubin Shmulsky
Judy Spencer
James Vardaman

SEMINAR SERIES PRESENTERS -
FALL 2018/SPRING 2019

Stephanie Agnew
Brandy Akers
Christy Bischoff
Trey Breckenridge
Devon Brenner
Jeremy Clay
Nicole Cobb
Ron Cossman
Jennifer Easley
Katie Echols
Kevin Enroth
Teresa Gammill

Drew Hamilton
Eric Hill
Claudia Holland
Tina Hood
Stephanie Hyche
Julie Jordan
Corinne Kennedy
Santanu Kundu
Deborah Lee
Lele Newell
Kim Rayborn
Tom Ritter
David Shaw
Justin Stidham
Kacey Strickland
Jonathan Tucker

RALPH E. POWER RESEARCH
EXCELLENCE AWARD WINNERS

2018 — Wes Schilling
2017 — Henry Wan
2016 — Wes Burger
2015 — Brent Funderburk
2014 — Nicholas Herrmann
2013 — Daniel G. Peterson
2012 — Kambham "Raja" Reddy
2011 — James C. Newman Jr.
2010 — Stanislaw Grzybowski
2009 — Shane Burgess
2008 — Mark Horstemeyer
2007 — Louis D'Abramo
2006 — Jung P. Shim
2005 — H. Michael Barnes
2005 — Janice Chambers
2004 — Domenico Parisi
2003 — Thomas E. Nebeker
2002 — Douglas L. Marshall
2001 — Roger L. King
2000 — David R. Shaw
1999 — Robert W. Rogers
1998 — Charles U. Pittman Jr.
1997 — Lewis R. Brown

HONOREE PROFILES

COLLEGE OF AGRICULTURE AND LIFE SCIENCES AND MAFES

CALEB LEMLEY | FACULTY

Caleb Lemley is an Assistant Professor in the Department of Animal and Dairy Sciences, Mississippi State University. He received a B.S. in Biochemistry in 2005 from West Virginia University. He received a M.S. in 2007 and a Ph.D. in 2010 in Reproductive Physiology from West Virginia University.



He worked as a Postdoctoral Research Fellow at North Dakota State University from 2010 to 2012, where he secured, as principal investigator, \$200,000 in postdoctoral fellowship grants. He joined Mississippi State University in 2012 as an Assistant Professor.

Dr. Lemley's research at MSU focuses on reproductive endocrinology with an emphasis on hormone bioavailability and function during conceptus development. Since joining MSU, he has submitted over \$10 million in grants with \$4.4 million funded as either competitive or cooperative grants.

Dr. Lemley has published 50 peer-reviewed journal articles, 2 book chapters, and 103 conference abstracts. He's served as major professor for three Ph.D. and four M.S. students as well as 10 undergraduate research assistants. In 2017, he was awarded the Young Animal Scientist – Research Award at the Southern Section Animal Science meeting.

RYAN WHITEHOUSE | RESEARCH SUPPORT

Ryan Whitehouse graduated from the University of Wisconsin, Madison with a B.S. in 2013. After working in the Milwaukee Public Museum for two years, he came to Mississippi State University as a Research Associate in the Mississippi Entomological Museum.



He is trained in morphological taxonomy and is currently focusing his research on weevil diversity and identification and is working on a checklist of weevils in Mississippi. Beyond his personal research he plays an active role in the curation of the Mississippi Entomological Museum and helps maintain their specimen level database. Recently, he has played a large role in the orchestration of the museum's major reorganization project.

Ryan also attends annual conferences where he has won first place for his oral and poster presentations. His publications have focused on native and economically important weevils as well as common ants in Mississippi and the southeastern United States.

BHUPINDER SINGH | GRADUATE STUDENT

Bhupinder Singh is currently working as a Graduate Research Assistant towards his Ph.D. degree in Plant and Soil Sciences under the guidance of Drs. Daryl Chastain and K. Raja Reddy. He took a challenging research project integrating abiotic stress effects and



nematode infestation among cotton germplasm. Before this, he completed the M.S. Program investigating drought stress effects on rice cultivars in the Department of Plant and Soil Sciences with concentration Agronomy under the supervision of Dr. Reddy.

Bhupinder cherishes the mentorship from his advisors and the teamwork experience they provided during his MS program at the Environmental Plant Physiology Laboratory at MSU main campus and Ph.D. program at the Delta Research and Extension Center at Stoneville. The teamwork provided a framework to learn not only his project, but also insight into other graduate students' research areas.

Before coming to Mississippi State, Bhupinder was born and raised from an agricultural family where his parents instilled interest in growing many crops of global interest in the Punjab State of India. Those early hands-on work experiences in field setting paved his interest to pursue a bachelor's degree in Agricultural Sciences with specialization in Agronomy, Soil Sciences and Agroforestry from Punjab Agricultural University in India.

In addition to research and learning, he is very passionately interested in community engagement through student organizations at Mississippi State and Leland Lions Club. These community service projects have expanded opportunities to interact, build relations within the local community, and get actively involved in the community at large. He would like to continue working in the profession of research and extension to serve our farming community in the future.



AUSTIN DRURY | UNDERGRADUATE STUDENT

Austin Drury is a graduate of the Mississippi School for Mathematics and Science, class of 2015, and will be graduating from Mississippi State University in the fall of 2019 with bachelor's degrees in Biochemistry and Microbiology and minors in Computer Science and Mathematics.

He has worked with Associate Research Professor Nina Aboughanem on research involving plant and fungal virology, Professor Henry Wan on influenza research, and currently with Assistant Professor Jonas King on insect molecular biology. He has presented his research at conferences hosted in Vancouver, Canada; New Orleans, Louisiana; Memphis, Tennessee; twice at Mississippi State University; and in Orlando, Florida.

He has one first author paper currently being submitted and is preparing two more first author papers. He is also involved in several research projects of graduate students in Dr. King's lab. His research interests include computational biology with respect to human health, particularly medical microbiology.

COLLEGE OF FOREST RESOURCES AND FOREST & WILDLIFE RESEARCH CENTER

GARRETT M. STREET | FACULTY

Garrett M. Street is a quantitative ecologist specializing in animal movement, spatial processes, and statistical and mathematical modeling techniques. After completing his Ph.D. in Integrative Biology at the University of Guelph, he was a post-doctoral research associate at the University of Minnesota-Twin Cities before joining the Department of Wildlife, Fisheries and Aquaculture at MSU in August 2015.



His research group studies the fine-scale processes that promote broad-scale patterns in ecological phenomena and that link individual behaviors to populations and species distributions. Students in his lab address these issues in systems ranging from purely theoretical models to controlled experimental microcosms, large experimental mesocosms and enclosures, and free-ranging wildlife populations.

Since arriving at MSU, Dr. Street has served on numerous college and university committees and working groups, co-founded the Quantitative Ecology and Spatial Technologies (QuEST) Lab, and has earned more than \$2.4 million in internal and external funding including nationally competitive federal awards. He is among the youngest editors at *Journal of Animal Ecology*, a leading international journal in his field, and is a founding member of the Movement Ecology Special Interest Group of The British Ecological Society.

EDWARD D. ENTSMINGER | RESEARCH SUPPORT

Edward D. Entsminger earned three Associate of Applied Science (A.A.S.) degrees in Fish and Wildlife Management, Fish Management and Aquaculture, and Parks and Recreation and Wildlife Management from Hocking College in 2007 and 2009. Received a Bachelor of Science (B.S.) degree in Wildlife and Fish Conservation and Management from the University of Rio Grande in 2009 and a Master of Science (M.S.) in Wildlife, Fisheries, and Aquaculture Sciences from Mississippi State University (MSU) in 2014.



Since graduation, he was hired on as a full-time Research Associate I in the Department of Sustainable Bioproducts and Forest and Wildlife Research Center (FWRC) at MSU. He obtained three professional certifications as an *Associate Wildlife Biologist (AWB*)*, *Associate Fisheries Professional (FP-A)*, and a *Wetland Professional In Training (WPIT)*. He is a wildlife and fisheries biologist and general ecologist and his research has focused on prairies, reclamation sites, wetlands, mowing on roadside right-of-ways, and in forested environments by researching vegetation and habitat structure for various fish and wildlife species. He has over 10 years of education experience and over 15 years of job experience in the natural resource profession. He has been with the university for nine years.

Recently, he was promoted to Research Associate II in August 2018 and received the Doris Lee Memorial Professional Staff Award in November 2018. He coordinates and manages the

Wood Magic Science Fair Mobile Unit, which reaches more than 10,000 students each year around the state. He conducts research on testing lumber destructively and non-destructively, wood anatomy, and various aspects of our sustainable and natural resources. He also writes quarterly and annual reports for the department on one of their largest extramural funded grants (USDA-ARS). He has authored or co-authored six peer-reviewed research articles, a thesis, one book chapter, more than 35 popular articles, and has more than two journal articles in peer-review.



GUANGMEI CAO | GRADUATE STUDENT

Guangmei Cao participated in wood science research when she was an undergraduate student at Shandong Agricultural University in China, where she graduated as an “Outstanding Graduate” and received her bachelor’s degree.

During her time as an undergraduate, she received the National Encouragement Scholarship and many other university scholarships; the research project was conducted by her teammates and herself won the “Challenge Cup” third prize. Out of the vast enthusiasm she has for forest products, she enrolled into the Department of Sustainable Bioproducts of Mississippi State and earned her master’s degree.

Now, she is continuing her scholarly journey as a Ph.D. student under Assistant Research Professor Frank Owens, and the research topic is focused on applying statistical distribution to strength and stiffness properties of lumber.



ISABELLA DURHAM | UNDERGRADUATE STUDENT

Isabella Durham is from Prattville, Alabama. Initially, she planned to attend Auburn University like her dad and other family members. However, once Mississippi State University piqued her interest, she knew that that was where her future was.

Since starting her undergraduate career, she has traveled to Africa and the Galapagos Islands for study abroad trips and Belgium for a conference presentation, presented at international, state, and university levels, and is a member and officer for multiple clubs, including President of The Wildlife Society and Secretary of the Xi Sigma Pi Honor Society. She is also a Provost Scholar and a semifinalist for the Fulbright Scholarship.

Her research interests are in conservation, evolutionary, and behavioral ecology, and she may be starting a graduate position at Mississippi State within the next year, focusing on conservation work with herpetofauna species of conservation concern.

“Wherever my career takes me, I know for a fact that it will involve traveling the world and taking advantage of any opportunities that come my way,” she says.

COLLEGE OF VETERINARY MEDICINE

MATTHEW ROSS | FACULTY

Born in New Zealand but raised in California by Kiwi parents, Matthew Ross received a B.S. in Chemistry from the University of California, Berkeley, and his Ph.D. in Molecular Toxicology from the University of California, Irvine.

Prior to graduate school, he worked for a time in a pesticide chemistry lab. He did postdoctoral work at UC Irvine and the University of North Carolina, and then took a job as an Assistant Professor at Mississippi State University in the Department of Basic Sciences and Center for Environmental Health Sciences.

Outside of work and Mississippi, he most enjoys visiting the Sierra Nevada mountain range with his wife Shirley and their four children.

WEI TAN | RESEARCH SUPPORT

After a two-year research training on EtOH stimulated tumor angiogenesis and salt-induced hypertension at the University of Mississippi Medical Center, Wei Tan joined Stephen Pruett's lab in the Department of Basic Sciences at Mississippi State University in late 2007.



Under the supervision of Dr. Pruett, she expanded her research to the innate immune system with EtOH and pesticide's influence, which is important to understand the mechanism of immunosuppression in septic patients with acute or chronic ethanol exposure. Meanwhile, she collaborated with other scientists, and was also involved in the studies of infectious diseases. As a result, more than 15 papers related with these studies have been published and some of the work has been recognized by several awards, including APS Postdoctoral Fellow Award, Travel Award for Alcohol and Immunology Research Interest Group (AIRIG) Meeting, and Superior Poster Presentation award on SOT regional chapter meeting.

Dr. Tan also oversaw the lab management, provided training and assistance to graduate students, student workers and summer students to complete their projects. In 2015, she was appointed as flow cytometry facility manager and administered the facility, including operations, budgeting, training and reporting.

As a core facility of the Center for Biomedical Research Excellence (COBRE NIH P20), the service is provided not only to COBRE investigators, but also to other departments of the university. This work has contributed to the successful renewal application of COBRE in 2018.



NAVATHA ALUGUBELLY | GRADUATE STUDENT

Navatha Alugubelly is a doctoral candidate in the Environmental Toxicology Program in the College of Veterinary Medicine. Navatha received her undergraduate degree in Pharmacy from Osmania University and her master's degree in Pharmaceutical Sciences from Jawaharlal Nehru Technological University, both in India.

Navatha's doctoral research focuses on identifying the molecular mechanisms responsible for the persistent behavioral effects that result from developmental exposure to the organophosphorus insecticide chlorpyrifos. During her time at MSU, she served as the primary author or as a co-author on six peer-reviewed publications, one book chapter, and 23 published abstracts. She won Outstanding Presentation Awards at the MSU-CVM Research Day in 2017 and at the Regional Meeting of the South Central Chapter of the Society of Toxicology in 2018. She has also received multiple travel awards both from MSU and from regional and national scientific societies.

Navatha is active in the Society of Toxicology — the premier toxicology scientific society. She currently serves on the Graduate Student Leadership Committee and as Graduate Student Representative for the Association of Scientists of Indian Origin (ASIO). She also serves as president of the Starkville Multi-Culture Lions Club. She successfully defended her doctoral dissertation and will graduate in May.



THOMAS P. MILES | UNDERGRADUATE STUDENT

Thomas P. Miles is a Wildlife, Fisheries and Aquaculture Science major from Chadds Ford, Pennsylvania. He achieved National Merit Semi-Finalist and Finalist status for his scores on the PSAT and SAT, respectively. He was awarded an "incredibly generous" full tuition scholarship at Mississippi State University.

During his first semester at MSU, Tom began working with Graham Rosser at the College of Veterinary Medicine and has continued work with him since. This work has given him the opportunity to become a published writer, and his first manuscript has been accepted for publication in *Systematic Parasitology*. He is an active member in four clubs, including Bass Fishing Club, QDMA, Ducks Unlimited and American Fisheries Society.

Thanks to two travel scholarships, one from Mississippi State AFS, and one from the Mississippi chapter of AFS, he was able to attend the Southern Division American Fisheries Society meeting in Galveston, Texas, this past January and presented a poster on his second project with Dr. Rosser.

Tom also serves as a College of Forest Resources Ambassador, which allows him to recruit and assist students interested in the college through tours and events, including Academic Insight.

COLLEGE OF ARCHITECTURE, ART & DESIGN

DOMINIC LIPPILLO | FACULTY

Dominic Lippillo earned a Master of Fine Arts degree in Photography from Ohio University in 2009 and a Bachelor of Fine Arts degree in Studio Art from Youngstown State University in 2005. He was promoted to the rank of Associate Professor with tenure at Mississippi State University in 2017.



His research questions the role of photography by making digitally constructed images that address notions of space versus place, memory, and experience. His work has been featured in publications such as *Don't Take Pictures*, *Mono Chroma*, *Exposure*, *Daily Serving*, *Luminous Landscape*, *Oxford American*, and *The Eye of Photography*. His photographs are included in the permanent collections of The Museum of Photographic Art; The Museum of Fine Arts, Houston; The University of Alabama, Tuscaloosa; and the University of North Dakota.

Lippillo is a recipient of a South Arts Fellowship (2018), a Mississippi Arts Commission Visual Artist Fellowship (2016), a College of Architecture, Art and Design Teaching Award (2016), and a Mississippi State University Research Award for the College of Architecture, Art and Design (2013). During the fall 2018 semester, Professor Lippillo was on sabbatical and was an artist-in-residence at the I-Park Foundation in East Haddam, Connecticut.

THOMAS GREGORY | RESEARCH SUPPORT

Thomas Gregory currently serves as a community planner for the Carl Small Town Center, where he works to engage communities in planning for their future. For eight years, he served as the Chief Administrative Officer for the City of Greenwood, Mississippi, writing grants, administering projects, and implementing the city's comprehensive plan. He is licensed by the American Institute of Certified Planners (AICP).



Thomas graduated magna cum laude with a Bachelor of Business Administration from Mississippi State University. He received a Master of City and Regional Planning from the University of North Carolina at Chapel Hill with specializations in land use planning, real estate development, and historic preservation.

His recent work at the Carl Small Town Center includes the development of a community-wide master plan for the City of Ripley, Mississippi. The plan outlines a 20-year vision for the Tippah County community and includes goals and objectives, land use and policy recommendations, and a detailed implementation strategy.

Thomas is a graduate of the Sustainable Cities Design Academy, the Public Interest Design Institute, and Leadership Mississippi. He currently serves as President of the Mississippi Chapter of the American Planning Association.



TYLER SCOTT | UNDERGRADUATE STUDENT

Tyler Scott has enjoyed helping people from a young age, so it seemed a natural progression for him to conduct research while in architecture school on how mass timber could be used to assist natural disaster victims. In a climate that has seen an increase of catastrophic weather events leading to an increased refugee diaspora, disaster relief housing

must address long-term issues of sustainability, construction and quality of life.

In the fall of 2017, during a DIS course with Mississippi State University School of Architecture Professor Jacob Gines, a group of students took on these issues. Tyler led the coordination of research and design with an incredible amount of attention to precision and detail, which was critical to the birth and success of the Disaster Relief Housing Project. The result of two semesters of work was presented at the Mississippi State University Gulf Coast Community Design Studio in a presentation entitled: "Resilience in Mass Timber (Disaster-Relief Housing)" and at the annual Southern Timber Innovations Conference in New Orleans in 2018.

Tyler has had academic works featured in the MSU School of Architecture's BARNWORKS publication as well as showcased in the annual Giles Hall Gallery: S|ARC Student Exhibition. Additionally, Tyler has been a member of the School of Architecture Student Council and is an active member of the Boy Scouts of America where he gained his leadership skills. Tyler continues to test timber technology and research at different scales of construction in his design projects.

COLLEGE OF ARTS & SCIENCES



KEITH MOSER | FACULTY

Keith Moser is Professor of French and Francophone Studies at Mississippi State University. After completing his Ph.D. at the University of Tennessee, he joined CMLL in 2007. In the early stages of his career, he quickly became one of the leading authorities on the complex, nuanced fiction of the Franco-Mauritian author J.M.G. Le Clézio.

Dr. Moser is widely considered to be one of the most prominent voices related to ecological issues due to his extensive research in the interrelated fields of Ecocriticism, Biosemiotics, Environmental Philosophy, Ecolinguistics, and the Philosophy of Science. He launched the interdiscipline of cosmic historiography in a "thought experiment" published by the highly influential journal *Green Letters: Studies in Ecocriticism* in 2018.

Additionally, he has been examining issues linked to social justice since the publication of his first book in 2008. He has more than 80 major publications including three monographs, two edited books, 14 edited volumes, 58 articles in peer-reviewed journals, numerous book chapters, interviews and translations.

Dr. Moser was selected as the recipient of the 2010 Humanities Teacher of the Year Award by

the Mississippi Humanities Council. He also accepted the College of Arts and Sciences Research Award for the Humanities in 2015.

RHONDA HANNAH | RESEARCH SUPPORT

Rhonda Hannah joined the Department of Biological Sciences in June 2017 as Business Manager. She has her Bachelor of Science degree in Accounting and an A.A.S in Business Administration from Robert Morris University.



She is a Mississippi Gulf Coast native, but she began her career in Illinois in October 2005 at the University of Chicago, Hyde Park campus as a Grant and Contract Administrator, where she worked for eight years in departments such as Neurology, Biochemistry and Molecular Biology and Computation Institute/Argonne National Laboratory.

In November 2013, she began working for Northwestern University's downtown campus as a Research Administrator and was later promoted to Senior Research Administrator working for the Northwestern University Clinical and Translational Institute and the Department of Preventive Medicine.

In 2017 Rhonda became a new resident in the Starkville area and is enjoying working with Mississippi State University faculty, staff and students. She is an active member of the MSU Women's Club and has also been selected as a student in the Departmental Administrators Working Group Class of 2019. Rhonda is enjoying all that the city of Starkville has to offer and is looking forward to her future here at MSU.

MELANIE STEARNS | GRADUATE STUDENT

Melanie Stearns completed her Bachelor of Arts degree in Psychology at the University of Kentucky and is a Ph.D. candidate in Clinical Psychology at Mississippi State University.



She researches parental factors (i.e., parenting, parental psychopathology, maltreatment, parental religiosity) and child factors (psychopathology, religiosity, Oppositional Defiant Disorder) to better understand family dynamics.

She won a Division 36 APA Student Research Award to help her complete her dissertation which focused on how regional differences influence parenting and parental religiosity and their connection to child outcomes, such as internalizing and externalizing disorders and religiosity.

KATRINA KOSATKA | UNDERGRADUATE STUDENT

Katrina Kosatka is a senior at Mississippi State University, majoring in Biological Sciences with a concentration in Pre-Veterinary Medicine and minoring in Animal and Dairy Sciences. She has been a part of undergraduate research at MSU for over two years.



Her research interests involve tadpoles, and she is currently working on a project analyzing their microbiome after the introduction of a pathogen. She has also completed a project analyzing the keratin in tadpole teeth, which she presented at last year's undergraduate research fair.

After graduation, she hopes to attend vet school at Mississippi State University or Auburn University.

COLLEGE OF BUSINESS



MERRILL WARKENTIN | FACULTY

Merrill Warkentin (Ph.D., Nebraska) is the James J. Rouse Endowed Professor of Information Systems in the College of Business at Mississippi State University, and was named an ACM Distinguished Scientist in 2018. In 2017, he was recognized with the Outstanding Service Award by the IFIP General Assembly.

His research, primarily on the impacts of organizational, contextual, and dispositional influences on individual behaviors in the context of information security and privacy and in social media, has appeared in leading scientific journals, where he was recently ranked No. 15 in the world in number of articles published in the top six AIS journals. He is especially interested in factors that lead to data breaches.

Dr. Warkentin is the author or editor of seven books and has authored or co-authored over 300 published manuscripts, including 90 peer-reviewed journal articles (with over 14,000 citations). He holds several key editorial positions with scientific journals and is the current Editor-in-Chief of the Journal of Intellectual Capital. He has held officer and other leadership positions at AIS, DSI, IFIP, and ACM, was the Program Chair for his discipline's 2016 conference. His work has been funded by NATO, NSF, NSA, DoD, Homeland Security, IBM and others.



WILL TABOR | GRADUATE STUDENT

Will Tabor is a third-year doctoral student in the College of Business and is concurrently serving as an assistant professor at Belhaven University in Jackson, Mississippi. Prior to coming to Mississippi State, he graduated from Vanderbilt University's business school and Westminster Theological Seminary.

He has published a literature review on non-family employees in Family Business Review, written a book chapter on ethical cultures in family businesses, and has presented on human resource practices in family firms at the Academy of Management and Southern Management Association.

In addition to family business, his research interests include organizational ethics and organizational change in religious organizations and churches.

BRYCE GIVEN | UNDERGRADUATE STUDENT

Bryce Given is a graduate of Madison Central High School and has lived in Mississippi all his life. He studies Economics and Spanish in the International Business Program at Mississippi State University.

Bryce has worked for the Winshape Foundation for two summers as a volunteer director for Winshape Camps for Communities. He has also been a YoungLife leader at Starkville High School for four years. He is a National Merit Finalist, Order of Omega Scholar and a member of the Phi Kappa Phi Honor Society.

During his studies, he has gained interest in public choice economics and development of economic policies that will benefit Mississippians. His research interests include taxes and regulation in the craft brewing industry.



COLLEGE OF EDUCATION

JENNIFER CMAR | FACULTY

Jennifer Cmar joined the faculty at Mississippi State University in 2016 as an Assistant Research Professor at the National Research and Training Center on Blindness and Low Vision.

Dr. Cmar received her Ph.D. in special education in 2015 from the joint doctoral program between the University of California, Los Angeles and California State University, Los Angeles. She was a National Leadership Consortium in Sensory Disabilities fellowship recipient. She also holds Bachelor of Science and Master of Science degrees in visual disabilities from Florida State University, and a Master of Arts degree in education from the University of California, Los Angeles.

Dr. Cmar's research focuses on improving employment outcomes for individuals with visual impairments, particularly for youth who are transitioning from school to work. She has published 10 peer-reviewed journal articles, and currently has five additional peer-reviewed articles in press plus another four in review. Her other publications include two co-authored book chapters, a position paper, and a scope of practice paper.



LORI STAGGS | RESEARCH SUPPORT

Lori Staggs currently serves as the Contract and Grant Specialist for the Dean of Education at Mississippi State University. Prior to serving in this role, Lori served the university in business roles within departments. These business roles included the management of sponsored project funding. In her current position, she assists with the diverse research needs of seven departments and six centers.

Lori is a 2018 DAWG Program graduate through the Office of Sponsored Projects, and she frequently seeks and attends professional development opportunities both at Mississippi State



University and within the United States in order to keep up with common trends, policies and up-to-date information in Research Administration.

Lori is a member of both the National Council of University Research Administrators and the Society of Research Administrators International, and she is an alumnus of Mississippi State, where she holds a bachelor's degree in Educational Psychology.



SHENGtian WU | GRADUATE STUDENT

Shengtian Wu is a doctoral student in the School Psychology Program in the Department of Counseling, Educational Psychology and Foundations. His research interests include academic interventions, consultation, applied behavior analysis, autism and other developmental disabilities, professional issues, parent training and multi-culturalism.

He published three articles in three peer-reviewed journals in the past two years under the supervision of Drs. Daniel Gadke, Kasee Stratton and/or Jianzhong Xu. He also presented over 40 research posters and papers at local, state, national and international conferences. One of his research projects received the Graduate Student Award from the Trainers of School Psychology conference in 2017, a national school psychology organization representing over 200 programs and thousands of school psychology graduate students.

Currently, Shengtian is completing his pre-doctoral psychology internship at Boys Town in Omaha, Nebraska. Following the completion of the dissertation and internship, he will pursue post-doctoral training in the University of Utah School Psychology program as a research fellow. His career goal is to work as a professor at a university to train skilled psychologists, teach courses, conduct research, disseminate research findings, and provide direct services to communities.



THOMAS BLAKE HANEY | UNDERGRADUATE STUDENT

Thomas Blake Haney is a Mississippi native who is currently a senior in the Information Technology Services (ITS) program in the Department of Instructional Systems and Workforce Development under College of Education. He went to Northeast High School in Meridian and graduated with honors. He then attended Meridian Community

College for a year prior to transferring to Mississippi State University in 2015.

As a full-time undergraduate student, Blake gains practical experience by interning at the IT department of the College of Veterinary Medicine (CVM), where he is responsible for computer network equipment installations, upgrades and troubleshooting, while also maintaining good grades.

In his spare time, Blake enjoys reading, pc gaming, and engaging in computer hardware and software projects. He is preparing for CompTIA A+ and Network+ certification exams. He is expected to earn his bachelor's degree in May.

BAGLEY COLLEGE OF ENGINEERING

LINKAN BIAN | FACULTY

Linkan Bian is an associate professor in the Bagley College of Engineering's Department of Industrial and Systems Engineering (ISE) Department at Mississippi State University. He received his Ph.D. in Industrial and Systems Engineering from Georgia Institute of Technology in 2013, and then joined MSU as an Assistant Professor.



Dr. Bian's research interests focus on the analytics of big data generated from complex engineering systems, such as additive manufacturing, cybersecurity, supply chain, and others. He has received over \$5 million federal funding from NSF, NIH, DoD, DoE, and industrial companies. He has published over 40 peer-reviewed papers that appear in prestigious journals. His work has been widely recognized in the ISE professional communities. He received the Outstanding Young Investigator Award from the IISE, as well as multiple Best Paper Awards.

Dr. Bian has taken leadership roles in multiple committees of IISE communities. He is an Associate Editor for the flagship journal of IISE Transactions on the focus area of Design and Manufacturing.

MICHAEL GIBSON | RESEARCH SUPPORT

Michael Gibson earned his Bachelor of Science degree in Mechanical Engineering from Mississippi State University in 2007. He then began graduate studies in ME with a concentration in internal combustion engines, where he helped establish the engine dynamometer facility at MSU's Center for Advanced Vehicular Systems (CAVS).



Michael left MSU in 2012 to work for John Deere Power Systems (JDPS), where he was responsible for ensuring engine calibrations met emissions requirements and customer expectations. He worked on the early development of multiple new engine programs. He also spent time as a member of the Critical Engine Component group managing turbocharger development programs working with suppliers and internal teams to select, develop and integrate turbochargers as a part of engine development programs.

Michael returned to CAVS in 2018 as a Research Engineer responsible for managing the dynamometer facility and supporting engine research faculty. Upon returning, he has also worked to complete his Master of Science degree in Mechanical Engineering. He has been working to rebuild the engine dynamometer facility and improving capabilities to position MSU as a strong competitor in engine research. Michael is also a CAVS Safety Committee member and an advisor to the EcoCAR Mobility Challenge student competition team.



GE HE | GRADUATE STUDENT

Ge He is currently a Ph.D. student in the Bagley College of Engineering's Department of Mechanical Engineering and he earned his bachelor's degree in Civil Engineering and a master's degree in Engineering Mechanics in China.

His research focuses on experimental study and constitutive modeling of fiber reinforced polymer composites. His specific research program on solid mechanics and finite element analysis has earned him numerous university and outside awards, including more than \$2,500 in funding for supporting his traveling to workshops and conferences.

In 2018, he had eight journal articles published or accepted and four conference papers. In addition to the research publications, he has three patents granted in the past three years.



PAULINO (PJ) JARQUIN | UNDERGRADUATE STUDENT

Paulino (PJ) Jarquin is a senior Mississippi State University Biomedical Engineering student from Nashville, Tennessee. He currently works as an Undergraduate Research Assistant under the guidance of Professor Steve Elder. His research is focused on developing ways to mitigate osteoarthritis utilizing minimally invasive therapies.

Previously, PJ worked as a Biological Science Aid for the United States Department of Agriculture on campus, and held a co-op position as a Manufacturing Science and Technology Engineer at Alcon in Huntington, West Virginia.

PJ has presented his research at multiple local and national conferences, including such as the Society of Biomedical Engineering and the Mississippi Academy of Science. He has won first place for his research posters at the Institute of Biological Engineering and MSU's Summer Research Symposium.

Outside of research, PJ has been an active member of MSU's Student Association, where he was selected as a member of Freshman Forum, Associate Director of the Special Initiatives Committee, and Director of the Research & Development Committee.

Upon graduation in May, PJ will be pursuing his Ph.D. in Biomedical Engineering in a joint program between the Georgia Institute of Technology and Emory University's School of Medicine.

MERIDIAN CAMPUS



LINDON RATLIFF | FACULTY

Lindon Ratliff is an Associate Professor of Secondary Education at the Meridian Campus. He received his Ph.D. from the University of Mississippi and is currently in his 19th year of teaching. His research focus lies in two areas: Civil Rights and Legal Issues in Education.

In the area of civil rights, Dr. Ratliff focuses on effective teaching strategies for high school educators when teaching about violent crimes perpetrated during the struggle to obtain civil rights such as in the case of the Mississippi Burning Murders. In the area of Legal Issues, his focus is on the analysis of sentencing guidelines for educators convicted of sex crimes against students. He has also examined offender characteristics in order to better educate schools in an effort to guard against sex offenses of their students.

Dr. Ratliff has been an employee of MSU-Meridian for 10 years. This is his second campus-wide research award.

MATTHEW BLACKWELL | GRADUATE STUDENT

Matthew Blackwell, M.A., is a native of Hickory, Mississippi, and is a two-time graduate of Mississippi State University. Over the past five years, he has served as a secondary and post-secondary history instructor. He currently teaches high school history and dual credit courses at Lake High School and is an adjunct instructor at East Central Community College.



Matthew earned his Bachelor of Arts Degree in History (Cum Laude) from Mississippi State University-Meridian in 2014, before returning to Mississippi State to complete his Master's Degree in Community College Education/History in 2018.

His research interests include the issues facing non-traditional students in higher education, along with educational reforms passed during the Cold War Era. He has presented his research at several Mid-South Educational Research Association conferences around the state.

Matthew holds memberships in the Mississippi Professional Educators, Phi Theta Kappa Honor Society, Phi Alpha Theta Historical Honor Society, Mid-South Educational Research Association, American Historical Society, and the Mississippi Historical Society.

MEGAN MOFFETT | UNDERGRADUATE STUDENT

Megan Moffett is a graduate of West Lauderdale High School with honors and Meridian Community College with high honors. She was also in MCC's Circle of Excellence. She is a Riley Scholar at Mississippi State University-Meridian, and also a member of Phi Theta Kappa. She holds an honors Associates Degree and is now working towards a bachelor's degree in Elementary Education.



Megan's research is focused in diversity in the classroom, with a focus on how there is an achievement gap between White and African American students, specifically the male students. Understanding this gap between these students will help close it.

This study is important to her because in a classroom she will have a wide diversity of students and will need to be able to successfully instruct all of them and further their education, so they can go on to achieve great things.

UNIVERSITY CENTERS AND INSTITUTES



HAIBO YAO | FACULTY

Haibo Yao is an associate research professor in the Geosystems Research Institute at Mississippi State University, and he is based at Stennis Space Center on the Mississippi Gulf Coast. He earned a Master of Science degree from the University of Georgia and a Ph.D. from the University of Illinois at Urbana-Champaign, both in

Agricultural Engineering.

Dr. Yao has a strong research background in hyperspectral imaging and remote sensing in precision agriculture applications. His most recent focus has been on rapid and non-invasive detection of aflatoxin contamination in corn, peanuts, and other agricultural products. While at Mississippi State, he has secured \$1.2 million in funding as a principal investigator. He is also a co-PI for managing \$5 million in projects. His funding support includes USDA, USAID, Bill and Melinda Gates Foundation, NSF and MAFES Special Research Initiative. He works closely with industrial partners to develop mycotoxin reduction solutions for producers in the U.S. and developing countries.

Dr. Yao has authored/co-authored over 100 publications including peer-reviewed journal articles, book chapters, conference papers, and meeting abstracts, and holds two U.S. patents. He has also served on several organization committees and as meeting chairs, is a reviewer for more than 20 journals, and also reviews grant proposals for the U.S. and international agencies.



BRANDY AKERS | RESEARCH SUPPORT

Brandy Akers has worked at the High Performance Computing Collaboratory (HPC2) for over eight years and has held her current role as the Director of Business Operations since 2012. She has played an instrumental role in the steady growth of the HPC2 as new centers have joined and others have competed for major research awards. She

currently oversees all financial and administrative support for six centers and institutes under the HPC2 umbrella:

Alliance for System Safety of UAS through Research Excellence (ASSURE)

Center for Cyber Innovation (CCI)

Center for Computational Sciences (CCS)

Geosystems Research Institute (GRI)

Institute for Genomics, Biocomputing & Biotechnology (IGBB)

Northern Gulf Institute (NGI)

Brandy's responsibilities include overseeing the management of over \$20 million in expenditures, \$29 million in sponsored awards, and \$55 million in proposal submissions each fiscal year. She serves as the Financial Manager for ASSURE's FAA Center of Excellence for Unmanned Air

Systems supporting 15 institutions and also serves as the Program Administrator for NGI's NOAA Cooperative Institute that includes six major universities in the Gulf of Mexico region.

Brandy received her bachelor's degree in Accounting from the University of Georgia and her Master of Business Administration degree from Mississippi State University.

LUCAS WHITTENTON | UNDERGRADUATE STUDENT

Lucas Whittenton is a senior in the College of Agriculture and Life Sciences studying for a Bachelor of Science degree in Agribusiness. He grew up on a small row crop farm in Eastern Arkansas where he worked under his father producing cotton and soybean. Currently, he is in his third year at MSU, and he plans to return to his family's farm this May after graduation to continue cotton and now peanut research.



Honors were given to Lucas for highest GPA during his sophomore and junior years, and he has acted as an FAA certified remote small unmanned aerial systems pilot for the past two years. He has participated in two undergraduate research projects using unmanned flight systems to estimate crop status under Drs. Joby Czarnecki, Amelia Fox and Jac Varco.

His current research project successfully increased cotton farm profits approximately \$25 per acre over a 20-acre field by employing unmanned flight systems for prescribing variable rate nitrogen on early bloom cotton.

OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT

JACQUELINE MONNET | GRADUATE

Jacqueline Monnet graduated Summa Cum Laude from Mississippi State University with a Bachelor of Accountancy degree in Spring 2018, and is currently pursuing a Master of Taxation degree in the Adkerson School of Accountancy. After graduation in August this year, she will begin work in the taxation department at Deloitte. She has a particular interest in tax research and law and is considering pursuing a law degree.



While pursuing her undergraduate degree, Jacqueline was inducted into several honors societies, including Mortar Board, Beta Alpha Psi Accounting and Finance Honor Society, Phi Kappa Phi Honor Society, and Alpha Lambda Delta Honor Society. Being a part of these groups has reinforced her interest in volunteering and helping her community.

Jacqueline began working in the Office of Sponsored Projects in December 2016 as a student worker. After completing her bachelor's degree, she applied for the graduate research assistantship, where she now assists the Subaward Manager. Some of her duties include entering proposal data into Banner, performing research for and processing subcontracts, and communicating with MSU personnel and external parties.

RALPH E. POWE RESEARCH EXCELLENCE AWARD

STEVE DEMARAIS

Steve Demarais is a Dale Arner Distinguished Professor and the Taylor Chair in Applied Big Game Research and Instruction in the Department of Wildlife, Fisheries and Aquaculture at Mississippi State University and is a Fellow of The Wildlife Society.



Dr. Demarais came to MSU in 1997 with 15 years of experience teaching and researching at universities in Texas. He enjoys answering deer and wildlife habitat questions of interest to managers and landowners. He has generated over \$6 million in support of a research program that has produced 140 peer-reviewed publications by 38 graduate students, plus dozens of popular articles to get research results to practicing managers.

His professional involvements include chairing two technical reviews on deer management issues, chairing the Deer Committee for the Southeast Section of The Wildlife Society for 13 years, and serving multiple terms as Associate Editor for the Wildlife Society Bulletin and Journal of Forest Research.

Dr. Demarais earned his bachelor's degree in wildlife biology at the University of Massachusetts. He earned a master's degree in wildlife ecology and doctoral degree in forest resources from Mississippi State.





MISSISSIPPI STATE UNIVERSITY™

OFFICE OF RESEARCH AND
ECONOMIC DEVELOPMENT

DIVISION OF AGRICULTURE, FORESTRY
AND VETERINARY MEDICINE

WWW.RESEARCH.MSSTATE.EDU

WWW.DAFVM.MSSTATE.EDU



