
LOREN W. BURGER, JR.
College of Forest Resources
Forest and Wildlife Research Center
P.O. Box 9680, 775 Stone Blvd.
Mississippi State University
Mississippi State, MS 39762
Phone (662) 325-2696
w.burger@msstate.edu

EDUCATION

Murray State University B.S., Biology and Mathematics (Double major) 1985, Magna Cum Laude
University of Missouri-Columbia, M.S. Wildlife Biology 1988
University of Missouri-Columbia, Ph.D. Wildlife Biology 1993

EMPLOYMENT

Dean, College of Forest Resources
Director, Forest and Wildlife Research Center
July 2020 - Present

Associate Director,
Mississippi Agricultural and Forestry Experiment Station/ Forest and Wildlife Research Center
Jan 2011 – June 2020

Associate Director,
Agriculture and Natural Resources
Geosystems Research Institute.
Jul. 2009 – Dec. 2010.

Professor Wildlife Ecology
Mississippi State University
Jul. 2002 – present

Associate Professor
Wildlife Ecology
Mississippi State University
Jul. 1997 – Jun. 2002

Assistant Professor
Wildlife Ecology
Mississippi State University
Jul. 1995 – Jun. 1997

Research Scientist/Wildlife Ecologist
Mississippi State University
Sep. 1993 – Jun. 1995

SCIENTIFIC PUBLICATIONS (252 1993 – 2024)

- 103 peer-reviewed journal articles
- 54 peer-reviewed proceedings
- 14 books chapters
- 81 semi-technical and popular publications
- 2 websites
- 4 videos/DVDs
- 2 software packages/decision support tools

SCIENTIFIC PRESENTATIONS

(130 - 1993 – 2024)

WORKSHOPS, SHORTCOURSES AND FIELD TOURS

(121 - 1993 – 2024)

GRADUATE STUDENT THESES AND DISSERTATIONS

(Directed/Co-directed 27 M.S and 10 Ph.D,s 1993 – 2024)

FUNDED GRANTS

(TOTAL 1993-2024 = \$26.7 million)

PROFESSIONAL AFFILIATIONS

Xi Sigma Pi 1994-2024

The Wildlife Society 1982 - 2024

AWARDS, HONORS, RECOGNITION

2018 William L. Giles Distinguished Professor Award

2017 SEC Academic Leadership Development Program Fellow

2017 National Bobwhite Technical Committee Award for Excellence

2016 Mississippi State University, Ralph E. Powe Excellence in Research Award

2015 The Wildlife Society Conservation Education Award, for contributing Author/Technical Editor Book:
Fish & Wildlife Management: A handbook for Mississippi landowners

2015 Sam K. Riffell Award for Conservation Excellence, Mississippi Chapter of the Wildlife Society

2013 The Wildlife Society Fellow

2013 Food Systems Leadership Institute Fellow Cohort 7

2010 College of Forest Resources Faculty Service Award

2005 Southeast Quail Study Group Annual Award for Excellence

2004 Mississippi Wildlife Federation Outstanding Wildlife Conservationist.

1999 LERN International Award for Exemplary Continuing Education Programming

1999-2000 Grisham Master Teacher Award

CITATION METRICS

Database	Documents	Citations	<i>h</i> -Index
Google Scholar	201	5274	40
Research Gate	165	3692	34
Scopus	97	2211	26

RECENT PUBLICATIONS

1. Audrey McCrary, John P. Brooks, Renotta K. Smith, Leslie M. Burger, Andrew Lucore, John J. Ramirez-Avila, Tim Schauwecker, Joby M. Prince Czarnecki, L. Wes Burger, and Beth H. Baker. 2024. Short-term contribution of conservation practice implementation to water quality impairments in small streams. *Water* 16:261.
2. I. D. Burger, L. M. Burger, and L. W. Burger, Jr. 2023. Student Perceptions of Impacts of Undergraduate Research on Professional Development. *Mississippi Academy of Sciences* 68:305-312.
3. Ogawa, R., J. B. Davis, D.T. King, L. W. Burger, B. K. Strickland, M.A. Sovada, G. Wang, F. L. Cunningham. 2022. Migratory Movements and Home Ranges of Geographically Distinct Wintering Populations of a Soaring Bird. *Diversity* 14:1109. <https://doi.org/10.3390/d14121109>
4. Samiappan, S., A. Shamanskin, J. Liu, Y. Liang, J. Roberts, A. Sesser, S. M. Westlake, A. Linhoss, K. O. Evans, J. Tirpak, and L. W. Burger, Jr. 2022. Evidence-based land conservation framework using multi-criteria acceptability analysis: A geospatial tool for strategic land conservation in the Gulf Coast of the United States. *Environmental Modelling and Software* (2022), doi: <https://doi.org/10.1016/j.envsoft.2022.105493>.
5. Meng, N, M. D. McConnell, and L. W. Burger, Jr. 2022. Economically targeting conservation practices to optimize conservation and net revenue using precision agriculture tools. *Precision Agriculture* 23:1375–1393
6. Ogawa, R., G. Wang, D.T. King, L. W. Burger, J. B. Davis, B. K. Strickland, M.A. Sovada, F. L. Cunningham. 2021. Differential migratory movements of geographically distinct wintering populations of a soaring bird. DOI: <https://doi.org/10.21203/rs.3.rs-363743/v1>
7. Adams, H. L., L. W. Burger, Jr, S. Riffell. 2019. Influence of Disturbance on Avian Communities in Agricultural Conservation Buffers in Mississippi, USA. *The Open Ornithology Journal* 12:6-29, DOI: 10.2174/187445320191200016,
8. Burger, L. W. Jr., K. O. Evans, M. D. McConnell, L. M. Burger. 2019. Private lands conservation: A vision for the future. *Wildlife Society Bulletin* 43:398–407.
9. Monroe, A. P., L. W. Burger, J. A. Martin. 2019. Pasture-scale vegetation predicts Dickcissel nest-site selection and success in native and exotic grass pastures. *The Condor* 121:1-14 <https://doi.org/10.1093/condor/duz027>
10. McConnell, M. D., A. P. Monroe, R. Chandler, W. E. Palmer, S. Wellendorf, L. W. Burger, Jr, and J. A. Martin. 2018. Factors influencing northern bobwhite recruitment with implications for population growth. *Auk* 135:2087-1099
11. Tao, F., H. Yao, Z Hruska, L. W. Burger, K. Rajasenkaran, and D. Bhatnagar. 2018. Recent development of optical methods in rapid and non-destructive detection of aflatoxin and fungal contamination in agricultural products. *Trends in Analytical Chemistry* 100:65-81. <https://doi.org/10.1016/j.trac.2017.12.017>
12. Monroe, A. P., L. W. Burger, Jr., H. T. Bolland, and J. A. Martin. 2017. Economic and conservation implications of converting exotic forages to native warm-season grass. *Global Ecology and Conservation* 11:23-32.
13. McConnell, M. D., A. P. Monroe, L. W. Burger, JR, and J. A. Martin. 2017. Timing of nest vegetation measurement affects its influence in nest survival studies: a simulation study. *Ecology and Evolution* 7:1259 - 1270. DOI: 10.1002/ece3.2767.
14. Oedekoven, C. S., R. King, S. T. Buckland, M. L. Mackenzie, K. O. Evans, and L. W. Burger, Jr. 2016. Using hierarchical centering to facilitate a reversible jump MCMC algorithm for random effects models. *Computational Statistics & Data Analysis* 98:79-90.
15. Adrian P. Monroe, Richard B. Chandler, L. W. Burger, Jr., J. A. Martin. 2016. Converting exotic forages to native warm-season grass can increase avian productivity in beef production systems. *Agriculture, Ecosystems and Environment* 233:85-93.