

Jae-Young Ko

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EDUCATION

Ph.D. in Environmental Science State, University of New York, College of Environmental Science and Forestry (SUNY-ESF), Syracuse, New York.

(Dissertation: An Integrated Assessment of Resource and Energy Efficiency Trends at Regional, National, and International Scales; Advisor: Dr. Charles A.S. Hall)

MA in Political Science, Syracuse University, Syracuse, New York.

MA in Public Administration, Hankuk University of Foreign Studies, Seoul, Korea.

BA in Public Administration (minor: economics), Hankuk University of Foreign Studies, Seoul, Korea.

ACADEMIC APPOINTMENTS

2013-Present: Associate Professor, Dept. of Public Policy and Administration, Jackson State University (JSU), Jackson, Mississippi (Tenure granted in April 2019)

2005-2013: Assistant Professor, Dept. of Marine Sciences, Texas A&M University at Galveston (TAMUG), Galveston, Texas.

2008-2013: Participating faculty, MARB-IDP (Interdisciplinary Graduate Program in Marine Biology), Texas A&M University.

2000-2005: Postdoctoral Researcher, Coastal Ecology Institute, Louisiana State University (LSU), Baton Rouge, Louisiana (Supervisor: Dr. John W. Day).

1998-2000: Research Associate, Coastal Ecology Institute, Louisiana State University, Baton Rouge, Louisiana (Supervisor: Dr. John W. Day).

HONORS & AWARDS

2016 Mississippi Research Consortium (MRC) on Coastal Management and Resilience (\$2,000.00)

2016 JSU College of Public Service, Teacher of the Year Award for 2015-2016

2016 JSU Creative Award (\$5,000.00)

2015 JSU Summer Research Fund (\$3,000.00)

2011 TAMUG, President's Meritorious Service Award for Outstanding Classroom Teaching

2010 TAMUG, Service Award

2005 Team Achievement for the Completion of the Louisiana Coastal Area (LCA), Louisiana Ecosystem Restoration Study, presented by the US Army Corps of Engineers and the State of Louisiana, Louisiana State University

RESEARCH EXPERIENCE

Research Interests

In general, my research interests are in the following:

1. Environmental and energy policy
2. Human dimension of natural ecosystem management, including common-pool resources
3. Community development
4. Urban management/urban services
5. Coastal Management

Peer-Reviewed Publication

(* Denotes student)

(As of Feb. 6, 2024, Google Scholar: **H-index: 14; Citations: 1,186** (Times cited available in the bracket of the published paper); ResearchGate.net: **18,218 Reads** (Reads is a metric showing show how many times a research paper is being accessed via the ResearchGate.net)

38. **Ko, J.-Y.** 2024. A comparative study of total allowable catch between topshell and Jeju, South Korea, and the Gulf of Mexico, United States. *Journal of Jeju Studies*, 61 (in Press)
37. Day, J.W., C.A.S. Hall, K. Klitgaard, J. D. Gunn, **J.-Y. Ko**, and J. R. Burger. 2023. The coming perfect storm: Diminishing sustainability of coastal human-natural systems in the Anthropocene. *Coastal Futures*, 1, e35, 1–13, <https://doi.org/10.1017/cft.2023.23>
36. Day, J.W., R.R. Lane, R.G. Hunter, G. Shaffer, S.D. Wallace, N. Jafari, **J.-Y. Ko**, J.N. Day, and J. Mancuso. 2023. Interactions among science, environmental policy and public perception in a Mississippi River Delta assimilation wetland. *Ecological Engineering* 189: 106922. <https://doi.org/10.1016/j.ecoleng.2023.106922>
35. **Ko, J.-Y.** 2022. Improving faculty gender equality as a strategy of improving student retention and graduation: A case study for public higher education institutions in Mississippi. *Journal of Education and Social Policy* 9(2): 21-26. <https://doi:10.30845/jesp.v9n2p4> [1 times]
34. **Ko, J.-Y.** 2022. An explanation on the 2021 Jackson water crisis and policy suggestions for sustainable water infrastructure in Jackson, Mississippi. *Online Journal of Rural and Urban Research*. (For the special issue of Jackson Water Crisis in 2021), pp.56-71.
33. **Ko, J.-Y.** 2021. An examination of socially disadvantaged farmers and ranchers program on Black farmers in the United States. *International Journal of Agricultural Research, Sustainability, and Food Sufficiency* 8(1): 502-513.
32. Hunter, R.G, JW Day, R.R. Lane, G.P. Shaffer, J.N. Day, W.H. Conner, J. M. Rybczyk, J. Mistich, **J.-Y. Ko**. 2018. Using natural wetlands for municipal effluent assimilation: a half-century of experience for the Mississippi River Delta and surrounding environs. pp. 15-81. In Nagabhatla, N., and C. D. Metcalfe (Eds.). *Multifunctional Wetlands: Pollution Abatement by Natural and Constructed Wetlands*. Springer. [32 times]
31. **Ko, J.-Y.**, J. W. Day, J. Wilkins, J. B. Haywood*, and R. R. Lane. 2017. Challenges in collaborative governance for coastal restoration: Lessons from the Caernarvon river diversion in Louisiana. *Coastal Management* 45(2): 125-142. <https://doi.org/10.1080/08920753.2017.1278145> [15 times]

30. Monroe-Lax, D.*, and **J.-Y. Ko**. 2017. Economic determinant analysis of student academic performance in Mississippi public schools. *Journal of Public Management and Social Policy*. 24(1), Article 4. <https://digitalscholarship.tsu.edu/jpmsp/vol24/iss1/4/> [8 times]
29. **Ko, J.-Y.**, and J. W. Day. 2016. Complying with the EPA regulation of wastewater treatment utilizing ecosystem services of natural wetlands as a component of the wastewater treatment system in economically depressed communities in Mississippi. *Online Journal of Rural and Urban Research* 6(1): 1- 4. [1 time]
28. Brown, R.*, and **J.-Y. Ko**. 2016. A correlation analysis of poverty with race, education, and economic well-being in Mississippi, and policy alternatives. *Online Journal of Rural and Urban Research* 6(1): 64-72.
27. Proctor, J.* and **J.-Y. Ko**. 2016. Food insecurity in the South: A case study of food desert and community-based solution in Hattiesburg, Mississippi. *Online Journal of Rural and Urban Research* 6(1): 74-85.
26. Thompson, J.*, and **J.-Y. Ko**. 2016. A comparative assessment of green economy growth among five State capital cities and policy recommendations in the United States. *Online Journal of Rural and Urban Research* 6(1): 15-31.
25. **Ko, J.-Y.**, J. W. Day, R. R. Lane, R. Hunter, D. Sabins, K. L. Pintado, and J. Franklin. 2012. Policy adoption of ecosystem services for a sustainable community: a case study of wetland assimilation using natural wetlands in Breaux Bridge, Louisiana. *Ecological Engineering* 38:114-118. <https://doi.org/10.1016/j.ecoleng.2011.10.009> [16 times]
24. **Ko, J.-Y.**, G. A. Jones, M.-S. Heo, Y.-S. Kang*, and S.-H. Kang*. 2010. A fifty-year production and economic assessment of common property-based Management of marine living common Resources: a case study for the women divers communities in Jeju, South Korea. *Marine Policy* 34:624-634. <https://doi.org/10.1016/j.marpol.2009.11.013> [20 times]
23. Brantley, C. G., J. W. Day, R. R. Lane, E. Hyfield, J. N. Day, and **J.-Y. Ko**. 2008. Primary production, nutrient dynamics, and accretion of a coastal freshwater forested wetland assimilation system in Louisiana. *Ecological Engineering* 34:7-22. <https://doi.org/10.1016/j.ecoleng.2008.05.004> [66 times]
22. **Ko, J.-Y.**. 2007. An explanation for South Korean experience in economic development, pp.127-141. In Leclerc, G., and C. A. S. Hall (Eds.). *Making World Development Work: Scientific Alternatives to Neoclassical Economic Theory*. University of New Mexico Press, Albuquerque, New Mexico. [12 times; **9,561** reads at ResearchGate.net]
21. Hall, C. A. S., and **J.-Y. Ko**. 2007. The myth of efficiency through market economics: a biophysical analysis of tropical economies. pp.90-103. In Leclerc, G., and C. A. S. Hall. (Eds.). *Making World Development Work: Scientific Alternatives to Neoclassical Economic Theory*. University of New Mexico Press, Albuquerque, New Mexico. [2 times]
20. Day, J. W., J. Barras, E. Clairain, J. Johnston, D. Justic, G. P. Kemp, **J.-Y. Ko**, R. R. Lane, W. Mitsch, G. Steyer, P. Templet, and A. Yanez-Arancibia. 2005. Implications of global climatic change and energy cost and availability for the restoration of the Mississippi delta. *Ecological Engineering* 24:253-265. <https://doi.org/10.1016/j.ecoleng.2004.11.015> [200 times]

19. Hall, C. A. S., and **J.-Y. Ko**. 2005. The myth of efficiency through market economics: a biophysical analysis of tropical economies, especially with respect to energy, forest, and water. pp. 40-58. In Bonell, M., and L.A. Bruijnzeel (Eds.). *Forests, Water and People in the Humid Tropics: Past, Present, and Future Hydrological Research for Integrated Land and Water Management*. Cambridge University Press. Cambridge, UK. 944 pp. Published online by Cambridge University Press in 2010. <https://doi.org/10.1017/CB09780511535666.007>. [14 times].
18. Hall, C. A. S., and **J.-Y. Ko**. 2005. Energy and international development: a systems approach to economic development. pp. 73-90. In Ortega, E., and S. Ulgiati (Eds.). *Proceedings of 4th Biennial International Workshop: Advances in Energy Studies: Energy-Ecology issues in Latin America*. Grafica da Universidad Estadual de Campinas, SP, Brazil. [1 time]
17. **Ko, J.-Y.**, J. W. Day, R. R. Lane, and J. N. Day. 2004. A comparative evaluation of money-based and energy-based cost-benefit analyses of tertiary municipal wastewater treatment using forested wetlands vs. sand filtration in Louisiana. *Ecological Economics* 49:331-347. <https://doi.org/10.1016/j.ecolecon.2004.01.011> [98 times]
16. Day, J. W., P. Templet, **J.-Y. Ko**, et al. 2004. The Mississippi Delta: system functioning, environmental impacts, and sustainable management. pp. 851-880. In Caso, M., I. Pisanty, and E. Ezcurra (Eds.). *Environmental Diagnosis of the Gulf of Mexico*. Mexican National Institute of Ecology, Mexico City, Mexico. Vol.2. (Published in Spanish; translated into English version by Withers, K., and M. Nipper (Eds.) 2008. *Environmental Analysis of the Gulf of Mexico*. Harte Research Institute for Gulf of Mexico Studies, Texas A&M University at Corpus Christi. Special Publication Series, <http://www.hareresearchinstitute.org/whats-news/books>, pp.533-553.) [5 times]
15. **Ko, J.-Y.**, J. W. Day, et al. 2004. The impacts of oil and gas activities on coastal wetland loss in the Mississippi Delta. pp. 957-977. In Caso, M., I. Pisanty, and E. Ezcurra (Eds.). *Environmental Diagnosis of the Gulf of Mexico*. Mexican National Institute of Ecology, Mexico City, Mexico. (Published in Spanish; translated into English version by Withers, K., and M. Nipper (Eds.) 2008. *Environmental Analysis of the Gulf of Mexico*. Harte Research Institute for Gulf of Mexico Studies, Texas A&M University at Corpus Christi. Special Publication Series No.1, <http://www.hareresearchinstitute.org/whats-news/books>, pp.608-621). [8 times]
14. **Ko, J.-Y.**, and J. W. Day. 2004. Wetlands: Impacts of energy development in wetlands: the Mississippi delta. *Encyclopedia of Energy* (Editor-in-Chief: C. Cleveland). Elsevier. Vol. 6: 397-408. [8 times]
13. **Ko, J.-Y.**, and J. W. Day. 2004. A review of ecological impacts of oil and gas development on coastal ecosystems in the Mississippi Delta. *Ocean & Coastal Management* 47:597-623. <https://doi.org/10.1016/j.ocecoaman.2004.12.004> [194 times]
12. Day, J. W., **J.-Y. Ko**, J. Rybczyk, D. Sabins, R. Bean, G. Berthelot, C. Brantley, L. Cardoch, W. Conner, J. N. Day, A.J. Englande, S. Feagley, E. Hyfield, R. Lane, J. Lindsey, J. Mistich, E. Reyes, and R. Twilley. 2004. The use of wetlands in the Mississippi Delta for wastewater assimilation: a review. *Ocean & Coastal Management* 47:671-691. <https://doi.org/10.1016/j.ocecoaman.2004.12.007> [178 times]
11. **Ko, J.-Y.**, and John W. Day. 2003. A comparative energy analysis of utilizing natural wetlands for municipal wastewater treatment in Breaux Bridge, Louisiana. Pp. 481-489. In Ulgiati, S., M. Brown, M. Giampietro, R.A. Herendeen, and K. Mayumi (Eds.). *Advances in Energy Studies:*

Reconsidering the Importance of Energy. Servizi Grafici Editoriali (SGE), Padova, Italy.

10. Day, J. W., A. Yanez-Arancibia, W. Mitsch, A. Laura Lara-Dominguez, J. N. Day, **J.-Y. Ko**, R. R. Lane, J. Lindsey, and D. Zarate Lomeli. 2003. Using ecotechnology to address water quality and wetland habitat loss problems in the Mississippi basin: a hierarchical approach. *Biotechnology Advances* 22:135-159. <https://doi.org/10.1016/j.biotechadv.2003.08.012> [141 times]
9. Day, J. W., **J.-Y. Ko**, J. Cable, JN Day, B. Fry, E. Hyfield, D. Justic, P. Kemp, R. Lane, H. Jashriqi, E. Reyes, S. Rick, G. Snedden, E. Swenson, P. Templet, R. Twilley, K. Wheelock, and B. Wissel. 2003. PULSES: The importance of pulsed physical events for Louisiana floodplains and watershed management. pp.693-699. In Renard, K.G., McElroy, S.A., Gburek, W.J., Canfield, H.E., and Scott, R.L. (Eds.). First Interagency Conference on Research in the Watersheds. US Dept. of Agriculture, Agricultural Research Center, Tucson, Arizona. [17 times]
8. **Ko, J.-Y.**, and C. A. S. Hall. 2003. The correlation between GDP and both energy use and emergy use. pp. 51-59. In Brown, M.T., H. T. Odum, D. Tilley, and S. Ulgiati (Eds.). EMERGY SYNTHESIS: Theory and Applications of the Emergy Methodology. Center for Environmental Policy, University of Florida, Gainesville, Florida. [7 times]
7. Kroeger, T., P. J. Tharaken, **J.-Y. Ko**, and C. A. S. Hall. 2001. The relation between energy intensity and sectoral composition of the economy: evidence from around the world. pp. 75-83. In Ulgiati, S., M. Brown, M. Giampietro, R.A. Herendeen, and K. Mayumi (Eds.). *Advances in Energy Studies: Exploring Supplies, Constraints, and Strategies*. Servizi Grafici Editoriali (SGE), Padova, Italy.
6. Hall, C. A. S., J. Vargas, W. Ravenscroft, **J.-Y. Ko**, and O. Saenz. 2000. Data about sustainability: time series analysis of population, land use, economics, energy and efficiency for Costa Rica. pp. 91-120. In Hall, C.A.S., G. Leclerc, C. Leon, and P. Van Laake (Eds.). *Quantifying Sustainable Development: The Future of Tropical Economics*. Academic Press. San Diego, California. 761pp. [2 time].
5. **Ko, J.-Y.**, J. F. Martin, J. W. Day. 2000. Embodied energy and emergy analysis of wastewater treatment using wetlands. pp. 197-210. In Brown, M., S. Brandt-Williams, D. Tilley, and S. Ulgiati (Eds.). EMERGY SYNTHESIS: Theory and Applications of the Emergy Methodology. Center for Environmental Policy, University of Florida, Gainesville, Florida. [4 times]
4. **Ko, J.-Y.**, C. A. S. Hall, and L. G. Lopez Lemus. 1998. Resource use rates and efficiency as indicators of regional sustainability: an examination of five countries. *Environmental Monitoring and Assessment* 51:571-593, <https://doi.org/10.1023/A:1006095822024> [64 times].
3. **Ko, J.-Y.**, and Y.-J. Cha. 1998. An analysis of the US environmental policy: a typology of environmental problems for government action. *International Area Review* 1(2): 133-146. (The journal is now renamed *International Area Studies Review*.)
2. Hall, C. AS, **J.-Y. Ko**, C.-L. Lee, and H.-Q. Wang. 1998. Ricardo Lives: The inverse relation of resource exploitation intensity to efficiency and its relation to the myth of sustainable development. pp. 355-370. In Ulgiati, S., M. Brown, M. Giampietro, R.A. Herendeen, and K. Mayumi (Eds.). *Advances in Energy Studies: Energy Flows in Ecology and Economy*. MUSIS, Rome, Italy. [15 times]
1. Hall, C. AS, R. G. Pontius, Jr., L. Coleman, and **J.-Y. Ko**. 1994. The environmental consequences of

having a baby in the United States. *Population and Environment* 15: 505-524). [49 times]
(Reprinted in 1995, in *Wild Earth*, 5(2): 78-87; *Earth Island Journal*, 10(4):19 [3 times]).

Manuscripts in Press or Under Review

Ko, J.-Y. and G. Billingsley, An examination of minority farming in Louisiana, USA. *Journal of Rural Social Sciences*. (Accepted with revision)

Ko, J.-Y., L. M. Long, and S. Bacon. A Farming Pattern Examination of Black Farmers in Search of Equity-Based Supporting System in Mississippi. *Professional Agricultural Workers Journal* (Under review)

Non-Peer Reviewed Publication

(* Denotes student)

Ko, J.-Y., and J. W. Day. 2017. Policy dimension of adopting wetlands assimilation to increase the NPDES compliance rates for municipal wastewater plants in Mississippi. WRRRI Proceedings of the 2017 Mississippi Water Resources Conference. Mississippi State University, Starkville, MS., P.74

McDavitt, L.*, F. Black*, M. Grant*, and **J.-Y. Ko**. 2015. Addressing Teen Birth in Southern Urban Communities. The 2014 NAAAS & Affiliates Special Events Monograph, Scarborough, ME, pp. 284-299. [3 times].

Ko, J.-Y., and A. Armitage. 2011. Annotated Bibliography of Valuation of Ecosystem Services for the Estuarine Environment. 2nd Ed. Prepared for Texas Sea Grant College Program, College Station, Texas.

Ko, J.-Y., W. Merrell, M. Hastings, N. Ekstrom*, E. Shelton*. 2007. Defining ecosystem services of Galveston Bay and corresponding appropriate valuation methods. The proceedings of the Eighth biennial state of the bay symposium, Galveston Bay Estuary Program, Webster, Texas.

Ko, J.-Y.. 2007. The Economic Value of Ecosystem Services Provided by the Galveston Bay/Estuary System (project report). Prepared for Texas Commission on Environmental Quality, Galveston Bay Estuary Program, Webster, Texas. [4 times]

Ko, J.-Y., N. Eckstrom*, and E. Shelton*. 2007. Annotated Bibliography of Valuation of Ecosystem Services for the Estuarine Environment. Prepared for the Galveston Bay Estuary Program, Webster, Texas. [2 times]

Day, J. W., **J.-Y. Ko**, and R. R. Lane. 2003. Nitrogen farming demonstration project: Louisiana Coastal Zone Case Study. In *Nitrogen Farming Pilot Projects-White Paper-Draft*. The Wetlands Initiative, Chicago, Illinois.

Day, J. W., and **J.-Y. Ko**. 2002. Some results from monitoring multiple aspects of the Caernarvon river diversion for spring 2001. *CoastWise* 11(2): 10-11.

Day, J. W., R. R. Lane, and **J.-Y. Ko**. 2000. The Use of Swamp Forests Near Breaux Bridge, Louisiana

for the Discharge of Treated Municipal Wastewater: Monitoring the Effects of the Discharge for 1998 and 1999. Submitted to the City of Breaux Bridge, Louisiana.

Ko, J.-Y. 1996. Municipal solid waste policy and its implementation in the United States: focusing on Onondaga County, New York. *Report on local administration in foreign countries* 96(1): 51-76. (Seoul, Korea, in Korean).

Research Grant Participation

Habib, H.E.,... **J.-Y. Ko**. 2024. Reversing disproportionate impacts of hydroclimate extremes in water-rich regions via justice-minded research and collaborative adaptation planning. 2024 NSF EPSCoR Research Infrastructure Improvement Program (Amount requested:\$477,125(JSU portion); Project period: Sept. 2024 – Aug. 2028; Under review)

Soga, K., M. Kondolf, A. Serra-Llobet, L. Comfort, B. Herbert, and **J.-Y.Ko**.2023. Socio-technical methods to manage critical infrastructure risks for inclusive and climate-resistant human mobility. 2023 NSF International Joint Initiative for Research in Climate Change Adaptation and Mitigation Competition. (Amount requested: \$700,000 (JSU portion: \$300,000); Project period: March 2024 – Feb. 2027; Under review)

Hackl, J., B. S. Herbert, **J.-Y. Ko**, and G. Troxell. 2023. Creating a framework for an equity-driven and resilient green infrastructure network to foster sustainable urban development. Princeton Alliance for Collaborative Research and Innovation (PACRI) (Amount requested: \$130,000; Project Period: July 2023 – June 2025; not funded)

Ko, J.-Y., S. Murray, and C. Crittle. 2020. Impacts and implications of service delivery to senior citizens suffering food insecurity in the Central Mississippi region. Center for Poverty Research, University of Kentucky (Amount requested: \$49,890; Project Period: March 2020 – August 2021; not funded.).

Ko, J.-Y. 2018. Minority Farmers in the Vortex of Agricultural Globalization: Food Insecurity and In-state Migration of Black Farmers in Mississippi. National Endowment for the Humanities (Amount requested: \$10,000; Project Period: June 2019-July 2019; not funded).

Gilleylen, J., G. Billingsley, **J.-Y. Ko**, E. Stokes, and T. Thomas. 2017. An impact of the Agricultural Act of 2014 on Mississippi's Socially Disadvantaged Farmers and Ranchers. Submitted to US Dept. of Agriculture through Alcorn State University (Amount awarded: \$ 171,600; Project Period: June 2017 – June 2018; **PI** for the state of Louisiana)

Ko, J.-Y., and M. Crump. 2017. Creating Sustainable Entrepreneurship Among Minorities in the Gulf Coast Region in Mississippi. Submitted to the US Dept. of Commerce, Minority Business Development Agency (\$181,199; not funded).

Phelan, A. et al. **J.-Y. Ko**. 2017. Statement of Qualification (SOQ) for Habitat Restoration and Conservation in Turkey Creek Project. Submitted to Mississippi Dept. of Environmental Quality. (Developed with the Pickering Firm in Mississippi; my contribution is related to community engagement; not funded).

Gilleylen, J., ...**J.-Y. Ko**. 2016. Dwight David Eisenhower transportation fellowship application. Submitted to US Dept. of Transportation, Federal Highway Administration (\$115,763; not funded).

- Gilleylen, J., S. Murray, **J.-Y. Ko**, and A. Hines. 2015. Brownfields area planning project. Submitted to Mississippi Conference of Black Mayors (Amount requested: \$98,330; not funded).
- Ko, J.-Y.**, and A. Armitage. 2007. A comparative study of the market and non-market valuations for selected ecosystem services of Galveston Bay. Submitted to Texas Sea Grant College Program (Amount awarded: \$59,983; Project period: February 2008 - January 2010)
- Ko, J.-Y.** 2006. Studies related to the economic value of ecosystem services provided by the Galveston Bay/Estuary system. Submitted to Houston Advanced Research Center and Galveston Bay Estuary Program. (Amount awarded: \$64,485; Project period: May 1, 2006 – April 15, 2007)
- Day, J. W., P. Templet, P. Kemp, and **J.-Y. Ko**. 2003. Quantifying potential conflicts and improving stakeholder support in operating a Mississippi River diversion for coastal ecosystem restoration by applying systematic information processing and multicriteria analysis. Submitted to Louisiana Sea Grant College Program (Amount awarded: \$153,969; Project period: February 2004 - January 2006).
- Reyes, E., J. W. Day, **J.-Y. Ko**, and S. S. Hoppner. 2003. Restoration assessment of a forested watershed using a regional modeling approach. Submitted to Louisiana Governor's Office of Coastal Activities (GOCA). (Amount awarded: \$168,989; Project period: October 2003 – October 2005).
- Day, J. W. (PI), et al. 2002. Conceptual ecological models for planning and evaluating the Louisiana coastal area (LCA) restoration plan. Submitted to the University of Louisiana at Lafayette (Original sponsor: Louisiana Department of Natural Resources; Amount awarded: \$331,656; Project period: July 1, 2002- June 30, 2003).
- Day, J. W, and **J.-Y. Ko**. 2001. Development of a framework for the analysis of feedbacks and linkages between functioning and Management of the Louisiana coastal zone and the broader ecological and economic system. Submitted to Louisiana Sea Grant College Program (Amount awarded: \$97,736; Project period: February 2002 - January 2004; NOAA Grant No. NA16RG2249).
- Reyes, E., and **J.-Y. Ko**. 2000. Using the Western Bays Landscape Model (WBLM) to simulate sediments and suspended sediment distribution in the Vermilion and Cote Blanche Bays under the Jetty and Reef scenarios. Submitted to US Army Corps of Engineering, New Orleans District (Amount awarded: \$6,160; Project Period: November 2000 - February 2001).
- Day, John W. (PI), et al. 1999. PULSES-the importance of pulsed physical events for watershed sustainability in coastal Louisiana. Submitted to Water & Watersheds Program of the EPA grant (Co-sponsors: NSF and USDA; EPA Grant Number: R828009; Amount awarded: \$899,995; Project Period: February 2000 - February 2003).
- Ko, J.-Y.** 1995. Municipal solid waste management in the United States- focusing on Onondaga County, New York. Submitted to the Korea Local Authorities Foundation for International Relations, Seoul, Korea (Amount Awarded: \$736).

Conference Presentations Since 2013

(* Denotes student)

- Ko, J.-Y.** 2023. Challenges in achieving energy transition in the Deep South under the increasing impacts of climate change. The 2023 JSU Research Symposium, Jackson, Mississippi. Oct. 23 -27 (Virtual).
- Ko, J.-Y.** 2023. Impacts of climate change, hurricane, and sea level rise on minority communities in the Northern Gulf of Mexico region. The 2023 Conference of Minority Public Administrators (COMPA) National Conference, Baltimore, Maryland, Mar.2-4. (Virtual)
- Ko, J.-Y.** and J.W. Day. 2023. Managed retreat as a strategy against coming storms of climate change-related environmental challenges. Energy Transition Research Symposium. Baton Rouge, Louisiana. Oct. 6.
- Kondolf, G.M., B. Herbert, A. Dodd, A. Serra-Llobet, and **J.-Y. Ko.** Flooding, water supply, and equity of the Pearl River, Jackson, Mississippi. AGU23 (American Geophysical Union). San Francisco, California, December 11-15.
- Ko, J.-Y.** 2022. An explanation of State environmental policy for climate change in the coastal the Southeastern States. JSU Research Engagement Week. October 25. Jackson, Mississippi. (Virtual)
- Ko, J.-Y.** 2022. Examining the 2021 Water Crisis in Jackson, Mississippi, and exploring policy implications for sustainable water infrastructure. The 2022 Conference of Minority Public Administrators (COMPA) National Conference, New Orleans, Louisiana, Mar.2-5. (Virtual)
- Ko, J.-Y.** 2021. A farming pattern examination of Black farmers in search of the equity-based supporting system in Mississippi. The JSU Inauguration Research Symposium. Jackson, Mississippi. October 13.
- Ko, J.-Y.** 2021. An examination of socially disadvantaged farmers and ranchers program on Black farmers in Mississippi, USA. Southeastern Conference of Public Administration (SECOPA); in a virtual format due to the Covid-19 pandemic). September 23-24.
- Ko, J.-Y.** 2020. Employing ecosystem service for affordable options of environmental regulations in the community. Mississippi ASPA (American Society for Public Administration) Conference. Mississippi State University, Starkville, Mississippi. January 27.
- Ko, J.-Y.** 2019. A comparative analysis of food insecurity prevalence and community development policy as a solution in the Deep South, USA. Southeastern Conference of Public Administration (SECOPA), Baton Rouge, Louisiana, September 5-7.
- Ko, J.-Y.** 2019. An exploratory study of introducing common property-based Management for sustainable groundwater use in Mississippi. The 2019 Mississippi Water Resources Conference, Jackson, Mississippi, April 2-3.
- Ko, J.-Y.** 2019. An evaluation of USDA program in Recovering Afro-American Farmers in the United States. Annual Conference of Mississippi Political Science Association (MSPSA), Hattiesburg, Mississippi, February 8-9.
- Ko, J.-Y.** 2018. Adopting ecosystem services for enhanced sustainable communities by wetlands assimilation of wastewater and water quality credit trading. The 2018 Mississippi Water Resources Conference, Jackson, Mississippi, April 3-4.

- Ko, J.-Y.** 2018. Policy implication study of locality-centered farming away from traditional cotton farming as a regional development strategy for the Mississippi Delta region in Mississippi. Annual Conference of Mississippi Political Science Association (MSPSA), Jackson, Mississippi, February 9-10.
- Ko, J.-Y.,** JW Day, and J. Thompson. 2017. A comparative policy study of ecosystem service utilization in designing sustainable communities between Louisiana and Mississippi. The 2nd Annual Advancing Mississippi Conference. Jackson, Mississippi, June 8.
- Ko, J.-Y.** and JW Day. 2017. Policy dimension of adopting wetlands assimilation to increase the NPDES compliance rates for municipal wastewater treatment plants in Mississippi. The 2017 Mississippi Water Resources Conference, Jackson, Mississippi, April 11-12.
- Ko, J.-Y.** 2016. A dual approach for valuation of wetlands assimilation: Monetary-based and energy-based cost-benefit analyses. Wetland Assimilation Workshop. Hammond, Louisiana, Oct. 25-26.
- Byrd, S.*, and **J.-Y. Ko.** 2016. An evaluation study of the city-managed workforce development program in Jackson, Mississippi (“The Jobs for Jacksonians Program”) and its impact on joblessness. The 2016 Conference of Minority Public Administrators (COMPA) National Conference, Jackson, Mississippi, Feb.17-19.
- Caples A.*, **J.-Y. Ko,** and J.C. Thompson. 2016. An exploratory research to reduce barriers of the uninsured and underserved population for quality health care in Mississippi. The 2016 Conference of Minority Public Administrators (COMPA) National Conference, Jackson, Mississippi, Feb.17-19.
- Monroe-Lax, D.*, and **J.-Y. Ko.** 2016. Economic determinant analysis of student academic performance in Mississippi Public Schools. The 2016 Conference of Minority Public Administrators (COMPA) National Conference, Jackson, Mississippi, Feb.17-19.
- Bacon, L.*, and **J.-Y. Ko.** 2016. An exploratory study of utilizing critical needs teacher scholarship program as a policy tool for human capital building in Mississippi. Annual Conference of Mississippi Political Science Association (MSPSA), Itta Bena, Mississippi, February 12-13.
- Proctor, J.*, and **J.-Y. Ko.** 2016. Food insecurity in the South: A case study of Hattiesburg, Mississippi. Annual Conference of Mississippi Political Science Association (MSPSA), Itta Bena, Mississippi, February 12-13.
- Spann, C*., and J.-Y. Ko. 2016. Minorities and the Environment: How SR1 achieves the importance of exposing Mississippi young minorities to conservation efforts in Mississippi. Annual Conference of Mississippi Political Science Association (MSPSA), Itta Bena, Mississippi, February 12-13.
- Caples A*., and **J.-Y. Ko.** 2015. Attaining the unattainable: Accessing barriers of the uninsured and underserved population for quality health care in Mississippi. The 15th Annual Conference Eliminating Health Disparities, Jackson, Mississippi, Oct 8-9.
- Ko, J.-Y.,** and JW Day. 2015. An exploratory study of reducing water pollution-related environmental damages and human health risks using the assimilation function of wetlands in the State of Mississippi. The 12th International Symposium on Recent Advances in Environmental Health Research, Jackson, Mississippi, September 13-16.

- Ko, J.-Y.**, and JW Day. 2015 Challenges in Implementing Collaborative Governance for Large-Scale Ecosystem Restoration Project: A Case Study of the Carnarvon River Diversion in Louisiana. Annual Conference of American Society for Public Administration (ASPA), Chicago, Illinois, March 6-10.
- Haywood, J.* , and **J.-Y., Ko**. 2015. An assessment of the ruling political party's role for community development in the Mississippi Delta region. Annual Conference of Mississippi Political Science Association (MSPSA), Jackson, Mississippi, February 13-14.
- Ko, J.-Y.**, and JW Day. 2014. Lessons for collaborative governance of coastal restoration from the Carnarvon river diversion in Louisiana. Bays & Bayous Symposium 2014, Mobile, Alabama, December 2-3.
- Ko, J.-Y.**, 2014. Policy dimension of employing ecosystem services for the sustainable community: A case study of wetland assimilation of municipal wastewater using natural wetlands. Southeastern Conference of Public Administration (SECOPA), Atlanta, Georgia, September 17-20.
- McDavitt, L.* , F. Black* , M. Grant* , and **J.-Y. Ko**. 2014. Addressing teen birth in Southern urban communities. International Research Forum, sponsored by the National Association of African American Studies & Affiliates (NAAAS), Clinton, Mississippi, April 27-May 1.
- Haywood, J., and **J.-Y. Ko**. 2014. Social media's impacts on local nonprofit organizational Management: A plan for Mississippi. Southeastern Conference of Public Administration (SECOPA), Atlanta, Georgia, September 17-20.

TEACHING EXPERIENCE

Courses Taught

2024 Spring

PPAD 513 Intergovernmental Relations 3 credit hours. 8 students registered (Online).

Evolution of the American federal system; consideration of inter-unit cooperation and conflict; review of administrative issues like revenue-sharing, federal grants, and regulations.

PPAD 596 Research for Public Management 3 credit hours. 9 students registered.

This course covers methods of empirical analyses for practical administrative problems and the development of new management techniques, including controlled social experimentation; simulation of policy issues; evaluation of future alternatives.

PPAD 798 Dissertation. 3 credit hours. 3 students registered.

2023 Fall

PPAD 507/706 Quantitative Analysis/Quantitative Methods. 3 credit hours. 9 students registered.
(Online)

This course familiarizes students with applying quantitative research techniques to the problems of public-sector management and policy formulations.

PPAD 560. Seminar in Politics of Environmental Administration. 3 credit hours. 8 students registered
(Online)

This course covers the basic principles of environmental policy-making processes and discusses the contemporary aspects of environmental problems that administrators face in society, politics, and business. The topics to be covered in class are science and policy for the environment, air, coastal Management, energy, fishery, hazardous waste, land management, municipal waste, water, and international environmental issues, including climate change.

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 5 students registered.
(Hybrid class).

This course provides students with a basic understanding of the broad community and economic development field. It focuses on community, and economic development activities carried out by the federal, state, and local levels of government and the impact that the neighborhood development organization has had in this area.

PPAD 712 Urban Management and Urban Services. 3 credit hours. 8 students registered. (Hybrid class).
Students examine and analyze the methods by which local public services are designed, delivered, and evaluated.

PPAD 798 Dissertation. 3 credit hours. 4 students registered.

This course is for students admitted to candidacy to engage in the writing of the dissertation.

2023 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 11 students registered (Online)

Administrative operations in State government are reviewed, emphasizing planning research, purchasing and contracting, personnel and financial administration, reporting, and public relations.

2023 Spring

PPAD 513 Intergovernmental Relations 3 credit hours. 12 students registered (Online).

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 9 students registered (Online). This course examines legal and political problems faced by the government when trying to regulate the use of natural resources.

PPAD 596 Research for Public Management 3 credit hours. 7 students registered.

PPAD 798 Dissertation. 3 credit hours. 2 students registered.

2022 Fall

PPAD 507/706 Quantitative Analysis/Quantitative Methods. 3 credit hours. 10 students registered. (Online)

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 4 students registered. (Hybrid class).

PPAD 712 Urban Management and Urban Services. 3 credit hours. 6 students registered. (Hybrid class).

PPAD 798 Dissertation. 3 credit hours. 1 student registered.

2022 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 18 students registered (Online)

PPAD 798 Dissertation. 3 credit hours. 1 student registered.

2022 Spring

PPAD 560. Seminar in Politics of Environmental Administration. 3 credit hours. 1 student registered (Online)

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 1 student registered (Online).

PPAD 596 Research for Public Management 3 credit hours. 7 students registered (Online).

PPAD 798 Dissertation. 3 credit hours. 3 students registered.

2021 Fall

PPAD 712 Urban Management and Urban Services. 3 credit hours. 4 students registered.

PPAD 798 Dissertation. 3 -6 credit hours. 3 students registered.

2021 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 12 students registered (Online)

PPAD 798 Dissertation. 3 credit hours. 1 student registered.

2021 Spring

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 1 student registered (Online).

PPAD 586/786 Urban Problems & Non-Traditional Options. 3 credit hours. 7 students registered (Online).

This course will cover major urban management issues and discuss the strategies, tactics, and municipal administration techniques for urban problems. After critical evaluations of the current managerial approaches, innovative models for approaching political issues unique to municipalities and the impacts of urbanization are discussed.

PPAD 798 Dissertation. 3 credit hours. 2 students registered.

2020 Fall

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 10 students registered. (Online).

PPAD 712 Urban Management and Urban Services. 3 credit hours. 9 students registered. (Online).

PPAD 798 Dissertation. 3 credit hours. 4 students registered.

2020 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 6 students registered (Online)

PPAD 712 Urban Management and Urban Services. 3 credit hours. 5 students registered (Online).

PPAD 798 Dissertation. 3 credit hours. 1 student registered.

2020 Spring

PPAD 513 Intergovernmental Relations 3 credit hours. 7 students registered (Online).

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 6 students registered (Online).

PPAD 798 Dissertation. 3 credit hours. 1 student registered.

2019 Fall

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 4 students registered.

PPAD 712 Urban Management and Urban Services. 3 credit hours. 6 students registered.

PPAD 798 Dissertation. 3 credit hours. 3 students registered.

2019 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 8 students registered (Online)

PPAD 712 Urban Management and Urban Services. 3 credit hours. 4 students registered (Online).

PPAD 798 Dissertation. 3 credit hours. 2 students registered.

2019 Spring

PPAD 513 Intergovernmental Relations 3 credit hours. 15 students registered (Online).

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 2 students registered (Online).

PPAD 586/786 Urban Problems & Non-Traditional Options. 3 credit hours. 4 students registered.

PPAD 798 Dissertation. 3 credit hours. 2 students registered.

2018 Fall

PPAD 560. Seminar in Politics of Environmental Administration. 3 credit hours. 2 students registered (Online)

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 4 students registered.

PPAD 712 Urban Management and Urban Services. 3 credit hours. 13 students registered.

PPAD 798 Dissertation. 3 credit hours. 1 student registered.

2018 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 6 students registered (Online)

PPAD 798 Dissertation. 3 credit hours. 2 students registered.

2018 Spring

PPAD 513 Intergovernmental Relations 3 credit hours. 18 students registered (Online).

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 4 students registered (Online).

PPAD 586/786 Urban Problems & Non-Traditional Options. 3 credit hours. 14 students registered.

PPAD 798 Dissertation. 3 credit hours. 3 students registered.

2017 Fall

PPAD 508. Advanced Quantitative Qualitative Analysis. 3 credit hours. 7 students registered (Online)

Research for public Management. This course gives the students a higher level of skills in research methodology.

PPAD 560. Seminar in Politics of Environmental Administration. 3 credit hours. 8 students registered (Online)

PPAD 712 Urban Management and Urban Services. 3 credit hours. 16 students registered.

PPAD 798 Dissertation. 3 credit hours. 1 student registered.

2017 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 7 students registered (Online)

PPAD 712 Urban Management and Urban Services. 3 credit hours. 11 students registered (Online).

2017 Spring

PPAD 513 Intergovernmental Relations 3 credit hours. 11 students registered (Online).

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 11 students registered (Online).

PPAD 586/786 Urban Problems & Non-Traditional Options. 3 credit hours. 12 students registered.

PPAD 798 Dissertation. 3 credit hours. 1 student registered.

2016 Fall

PPAD 560. Seminar in Politics of Environmental Administration. 3 credit hours. 8 students registered (Online)

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 9 students registered.

PPAD 712 Urban Management and Urban Services. 3 credit hours. 10 students registered.

PPAD 798 Dissertation. 6 credit hours. 1 student registered.

2016 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 7 students registered (Online)

PPAD 712 Urban Management and Urban Services. 3 credit hours. 11 students registered (Online).

2016 Spring

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 11 students registered (Online).

PPAD 586/786 Urban Problems & Non-Traditional Options. 3 credit hours. 5 students registered.

PPAD 798 Dissertation. 6 credit hours. 1 student registered.

2015 Fall

PPAD 560. Seminar in Politics of Environmental Administration. 3 credit hours. 11 students registered (Online)

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 4 students registered.

PPAD 712 Urban Management and Urban Services. 3 credit hours. 10 students registered.

PPAD 798 Dissertation. 6 credit hours. 1 student registered.

2015 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 6 students registered. Online (hybrid).

PPAD 712 Urban Management and Urban Services. 3 credit hours. 6 students registered. Online (hybrid).

2015 Spring

PPAD 507 Quantitative Analysis. 3 credit hours. 3 students registered.

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 6 students registered.

PPAD 586/786 Urban Problems & Non-Traditional Options. 3 credit hours. 12 students registered.

2014 Fall

PPAD 560. Seminar in Politics of Environmental Administration. 3 credit hours. 3 students registered.

PPAD 559/759 Seminar in Public Policy Analysis. 3 credit hours. 6 students registered.

This course provides a general and conceptual overview of the study of public policy as a significant sub-field of public administration. It is designed to emphasize the policy process and includes methods and techniques of policy analysis.

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 3 students registered.

2014 Summer

PPAD 519/719 Problems of State Administration. 3 credit hours. 5 students registered. Online (hybrid).

PPAD 712 Urban Management and Urban Services. 3 credit hours. 13 students registered. Online (hybrid).

2014 Spring

PPAD 557 Environmental Law. 3 credit hours. 2 students registered.

Federal and state regulations designed to protect the environment are reviewed.

PPAD 561 Government Regulation of Natural Resources. 3 credit hours. 2 students registered.

PPAD 586/786 Urban Problems & Non-Traditional Options. 3 credit hours. 23 students registered.

2013 Fall

PPAD 581/781. Seminar in Community & Economic Development. 3 credit hours. 14 students registered.

PPAD 560. Seminar in Politics of Environmental Administration. 3 credit hours. 5 students registered.

Graduate Students Advised for Ph.D. & master's degrees

As Ph.D. Committee Chair & Dissertation Adviser

7. Glory J. Moses (Graduation: Spring 2023)

(Dissertation title: Assessment of parent reasons for homeschooling as an alternative to public and private school education).

6. Tyrone Williams (Graduation: Spring 2021)

(Dissertation title: A comparative examination of commuter tax in New York City, New York; San Francisco, California; and Washington, District of Columbia)

5. Keilani Vanish (Graduation: Fall 2019)

(Dissertation title: An Evaluation study of the impacts of the Ayers Settlement on Historically Black Colleges and Universities in Mississippi)

(Current position: Comptroller, Development Foundation, Jackson State University)

4. Debra Monroe-Lax (Graduation: Fall 2018)

(Dissertation title: Effectiveness of the Disproportionate Minority Contact (DMC) Initiative: A Case Study of the SHAPE Diversion Intervention in Public Schools in Memphis, Tennessee)

(Current position: Performance Research Analysis, PEER MISSISSIPPI (Joint Legislative Committee on Performance Evaluation and Expenditure Review, Mississippi Legislature)

3. Cassandra Hawkins (Graduation: Summer 2018)

(Dissertation title: The prevalence of food insecurity in Mississippi)

(Job placement after graduation: Assistant professor at Dept of Social Sciences, Mississippi Valley State University)

2. Teresa Moore (Graduation: Spring 2018)
(Dissertation title: An evaluation of the Adoption and Safe Families Act of 1997 on permanency-related outcomes for foster children in six states of the Southeastern region of the United States)

1. Alan Branson (Graduation: Spring 2017)
(Dissertation title: An analysis of the determinants of payday lending and bank branch locations in the State of Mississippi)
(Current position: Executive Vice President & Chief Financial Officer for the Hope Enterprise Corporation & Hope community credit union (HOPE), Jackson, Mississippi)

Current Student serving As Ph.D. Committee Chair & Dissertation Adviser

Nada Alotaibi, William Atkins, Sheryl Bacon, Border-Ere Fiemotonghan, Lamar Johnson, Raquel Milton, Essilyn Milton, John Proctor,

As Ph.D. Dissertation Committee Member

Willie Anderson (Fall 2023), Ibrahim Alhussayen (Spring 2022), Willie Anderson (Summer 2023), DeMetra Bates (Fall 2019; Urban and Regional Planning), Almesha Campbell (Spring 2017), Shalonda Carlisle (Urban and Regional Planning; Fall 2023), Pamela Confer (Fall 2020), Keesha Davis (Spring 2021), Carolyn Dupre (Fall 2022), Donna Echols-Mabus (Fall 2023), Portia Espy (Spring 2021), Kelsi A. Gilleylen-Huggins (Fall 2018), Diane W. Gadley (Fall 2022), Rachel Granderson (Fall 2022), Julius Green (Fall 2023), Valarie Jackson (Fall 2019), Angela Johnson (Fall 2020), Ashlee Theodore-Kelly (Fall 2023), Lawren Long (Fall 2020), Marilyn Luckett (Fall 2020), Laura McDavitt (Spring 2021), Yolanda McDuffey (Spring 2021), Ivan Ozherelev (Fall 2018), Jason Pope (Fall 2016), Audria D. Range (Spring 2022), Christopher Roby (Spring 2020), Tiwashia Ross (Fall 2023), Janice Simmons (Spring 2021), Tabaris Smith (Urban and Regional Planning; Fall 2023), Jacqueline Sullivan (Fall 2018), Adrieme S. Walker (Spring 2022), Cresandra Washington (Fall 2022), Kafond Wilder (Fall 2019), Zameshia Williams (Fall 2018)

Current Students Serving As Dissertation Committee Member.

Mohammed Alorg, Tamera Bailey, Florence Black, Wanda G. Brown, Shernica Ferguson, Gloria Hirse, , Shequite Johnson, Doril Sanders,

Project Advisor for Graduate Students

2024

Veronica Gates (Ph.D.) Analysis of the impact of homelessness stigma on the burden of public health care system in the Southeastern region of the US. The 2023 JSU Research Symposium, Oct. 23 -27 (Virtual). The 2024 Conference of Minority Public Administrators (COMPA) National Conference, New Orleans, Louisiana, Feb.25-28.

2023

Veronica Gates (Ph.D.) Analysis of the impact of homelessness stigma on the burden of public health care system in the Southeastern region of the US. The 2023 JSU Research Symposium, Oct. 23 -27 (Virtual).

Kamesha Hill (Ph.D.) An evaluation of politicizing Diversity, Equity, and Inclusion: Impact of DE&I policies in the Southern and Midwestern regions of the United States. The 2023 JSU Research Symposium, Oct. 23 -27 (Virtual).

Angela Murphy Jordan (Ph.D.) Inequitable fines, fees, and seizures in communities of Color. The 2023 JSU Research Symposium, Oct. 23 -27 (Virtual).

- Charles Smith (Ph.D.) Visual catalysts: iconic images, policy-making for Civil Rights, and historic legislation, 1955-1976. The 2023 JSU Research Symposium, Oct. 23 -27 (Virtual). (Recipient of the third-place award for the graduate student research).
- Tia Grisham (Master). An Examination of the current post-secondary education transition of American Indians and Mississippi Choctaws. The 2023 Conference of Minority Public Administrators (COMPA) National Conference, Baltimore, Maryland, Mar.2-4. (Virtual)
- Angela Murphy Jordan (Ph.D.). Proposal on policing for profits in small-town America. The 2023 Conference of Minority Public Administrators (COMPA) National Conference, Baltimore, Maryland, Mar.2-4. (Virtual)
- Emily Gilleylen-Lowery (Ph.D.). Evaluating the Second Chance Act's impact in reducing the recidivism rate in the US. The 2023 Conference of Minority Public Administrators (COMPA) National Conference, Baltimore, Maryland, Mar.2-4. (Virtual)

2022

- Tia Grisham (Master). An Examination of the current post-secondary education transition of American Indian and tribal scholarship program. JSU Research Engagement Week. October 25. Jackson, Mississippi. (Virtual)
- Sheryl L. Bacon (Ph.D.). Lessons from Flint: A comparative study of water lead levels in Jackson, MS and 11 Southeastern Cities. The 2022 Conference of Minority Public Administrators (COMPA) National Conference, New Orleans, Louisiana, Mar.2-5. (Virtual)
- Tiare Chatman (Ph.D.). Impacts of federal order made in community change after integrating high schools in Jackson, Mississippi. The 2022 Conference of Minority Public Administrators (COMPA) National Conference, New Orleans, Louisiana, Mar.2-5. (Virtual)
- LaWanda D. Harris (Ph.D.). Federalism and Its Impact on Management of COVID-19 in the US. The 2022 Conference of Minority Public Administrators (COMPA) National Conference, New Orleans, Louisiana, Mar.2-5. (Virtual)

2020

- Lawren M. Long (Ph.D.). Evaluating the impacts of the Healthy, Hunger-Free Kids Act of 2010 on Childhood Obesity Rates. Mississippi ASPA Conference. Starkville, Mississippi, January 27.
- Chauncey Spears (MPPA). School Accountability, Race, Poverty, and Teacher Quality in Mississippi: Opportunity for More Socially Equitable Accountability Model. Mississippi ASPA Conference. Starkville, Mississippi, January 27.
- Lamar C. Johnson (Ph.D.). Urban disinvestment in inner-city by the growth of suburban communities: A case study of Jackson Metropolitan area. The 2020 annual conference of Mississippi Political Science Association, Jackson, Mississippi, Feb. 7-8.

2019

- Stephen Chisley. (Ph.D.). The impact of racial profiling on the deaths of unarmed black males by police in the US, 2007-2017. The 2019 annual conference of Mississippi Political Science Association, Hattiesburg, Mississippi, Feb. 8-9.
- Jennifer Lee. (MPPA). Increasing financial security for senior citizens with pension compliance. The 2019 annual conference of Mississippi Political Science Association, Hattiesburg, Mississippi, Feb. 8-9.
- Gregory Ramsey. (Ph.D.). Drug overdose deaths: An impact analysis of the prescription drug monitoring program on opioid abuse in Mississippi. The 2019 annual conference of Mississippi Political Science Association, Hattiesburg, Mississippi, Feb. 8-9.

2018

- Symone Bounds (Ph.D.). An Analysis of the Effect of Training on the Reduction of Inconsistencies in the State of Mississippi Small Purchase Card Program. The 2018 annual conference of Mississippi

Political Science Association, Jackson, Mississippi, Feb. 9-10. Recipient of the Best Graduate Student Research Award.

- Denita Jones (Ph.D.). Assessing the need for mental health aftercare for juvenile offenders. The 2018 annual conference of Mississippi Political Science Association, Jackson, Mississippi, Feb. 9-10
- Wendy Mahoney (Ph.D.). Teen Dating Violence: An Analysis of Ninth Grade Students' Pre-Post Test at Jackson Public Schools' Forest Hill High School. The 2018 annual conference of Mississippi Political Science Association, Jackson, Mississippi, Feb. 9-10.
- Shelia M. Malone (MPPA). Improving Healthcare Delivery to Rural Mississippians. The 2018 annual conference of Mississippi Political Science Association, Jackson, Mississippi, Feb. 9-10.
- Adrieme Walker (Ph.D.). Arizona versus Mississippi: An Investigation of the Impact of Women Legislators on Public Policy that Relates to Women Issues. The 2018 annual conference of Mississippi Political Science Association, Jackson, Mississippi, Feb. 9-10.

2017

- Debra Monroe-Lax (Ph.D.). Economic determinant analysis of student academic performance in Mississippi public schools. The 2017 annual conference of Mississippi Political Science Association, Jackson, Mississippi, Feb. 10-11. Recipient of the Best Graduate Student Research Award.
- Ida Patterson (Ph.D.). A look at economic development in the port city of Greenville, MS: reality or fallacy. The 2017 annual conference of Mississippi Political Science Association, Jackson, Mississippi, Feb. 10-11.
- Gregory Davis (Ph.D.). Economic and social factor analysis of urban blight in Jackson, Mississippi. The 2017 annual conference of Mississippi Political Science Association, Jackson, Mississippi, Feb. 10-11.

2016

- Alan Branson (Ph.D.), LaTonya Curley (Ph.D.), Jennifer Hicks-McGowan (Ph.D.), and Christopher Roby (Ph.D.). An assessment of payday lending practices in the Metro-Jackson Area, Mississippi, and potential policy responses. *Online Journal of Rural and Urban Research* 6(1): 38-48.
- Sheryl Bacon (Ph.D.). 2016. Human capital enhancement in depressed communities by utilizing Mississippi's teacher loan forgiveness program. *Online Journal of Rural and Urban Research* 6(1): 5-10.
- Cedric Coates (MPPA). 2016. Challenges in securing financial resources for aging infrastructure in Jackson, Mississippi. *Online Journal of Rural and Urban Research* 6(1): 11-14.
- Lolita Bolden (Ph.D.). 2016. An impact analysis of shared-use agreement between school districts and communities in controlling childhood obesity in the State of Mississippi. The 2016 Conference of Minority Public Administrators (COMPA) National Conference, Jackson, MS, Feb.17-19.
- Alla J. Frank (MPPA). 2016. Choices and challenges of urban development in Memphis, TN. Mississippi. Annual Conference of Mississippi Political Science Association (MSPSA), Itta Bena, Mississippi, February 12-13.
- Christopher Roby (Ph.D.). 2016. Effectiveness analysis of the popular opinion leader intervention on reducing HIV rates in the Jackson MSA. Mississippi. Annual Conference of Mississippi Political Science Association (MSPSA), Itta Bena, Mississippi, February 12-13.

2015

- Christina Spann (MPPA) presented an impact statement on Smoking Ban in the county for the Hinds County Board of Supervisors Meeting. April 20.
- LaTonya Curley (Ph.D.) presented an impact statement on the County Detention Center for the Hinds County Board of Supervisors Meeting. April 20.
- Cedric Coates (MPPA) published his essay ("Can Jackson Bounce Back?") as a guest columnist for the leading newspaper in Mississippi, The Clarion-Ledger, on December 23, 2015.

2014

Alan Branson (Ph.D.), Chris Roby (Ph.D.), Jennifer Hicks-McGowan (Ph.D.), and Latonya Curley (Ph.D.). 2014. An assessment of Payday lending in Jackson (MS). Southeastern Conference of Public Administration (SECOPA), Atlanta, Georgia, September 17-20.

James Thompson (MPPA). 2014. A comparative growth assessment of the creation of green economies for five State capital cities and policy recommendations for the said growth. The Southeastern Conference of Public Administration (SECOPA 2014), Atlanta, GA, September 17-20. (Recipient of the Robert L. Kline Award, the best research paper for master's students).

Laura McDavitt* (Ph.D.) published her essay ("Jackson needs a leader who will unify city) as a letter-to-editor for the leading newspaper in Mississippi, The Clarion-Ledger, on March 27, 2014.

SERVICE ACTIVITIES

Professional Services

Academic Society

On ASPA (American Society for Public Administration), SECOPA (Southeastern Conference for Public Administration) & COMPA (Conference of Minority Public Administrators)

Session chair for the annual ASPA conference. Chicago, Illinois, Mar. 6-10, 2015.

Session chair for the annual SECOPA conference, Lexington, Kentucky, Sept.29-Oct.2, 2022

Board/Council member, ASPA Mississippi Chapter, 2018-Present.

Session chair for the conference of ASPA Mississippi Chapter, Mississippi State University, Starkville, Mississippi. January 27, 2020.

Member, Local Host Planning Committee for the 2016 Conference of Minority Public Administrators (COMPA) National Conference, Jackson, MS, Feb.17-19, 2016.

On MSPSA (Mississippi Political Science Association)

President, Mississippi Political Science Association (MSPSA) for 2017-2018.

Vice-President/Secretary, MSPSA for 2016-2017.

Board Member-At-Large, MSPSA for 2019-2020.

The conference program director for the annual MSPSA Conference. Jackson, MS. Feb. 10-11, 2017.

Session chair and discussant for the annual MSPSA conference. Hattiesburg, MS. Feb. 8-9, 2019.

Session chair and discussant for the annual MSPSA conference. Jackson, MS. Feb. 9-10, 2018.

Session chair and discussant for the annual MSPSA conference. Itta Bena, MS. Feb. 12-13, 2016.

Session chair and discussant for the annual MSPSA conference. Jackson, MS. Feb. 13-14, 2015.

On Other Conferences

Session chair for the 21st Biennial Conference of the Coastal and Estuarine Research Federation (CERF). Daytona Beach, Florida, Nov 6-10, 2011.

On Professional Journals

As Editorial Board Member

Member of Editorial Board, Journal of Fisheries Business Administration (in Korea): 2016-2021.

Co-editor for the Section of Social Policy in Global Encyclopedia of Public Administration and Public Policy (Chief-in-Editor: A. Farazmand,). Springer, 2018.

As Article Reviewer

Coastal Management, Ecological Economics, Environmental Modelling & Software, Journal of Fisheries Business Administration (in Korea), Journal of Public Management & Social Policy, Proceedings of the Energy Conference, Ocean & Coastal Management, Reviews in Ecological Economics, Sustainability, Wetland.

As Proposal Reviewer

Gulf Coast Ecosystem Restoration Council-Restore (year: 2014)
NSF-CREST (year: 2010, 2011)
NSF-BCS (year: 2014)
Louisiana Board of Regents, Research and Development Program (year: 2009)

Professional Society Affiliations

- American Society for Public Administration (ASPA) (2014-Present)
- American Society for Public Administration (ASPA)- Mississippi Chapter (2014-Present)
- Association for Public Policy Analysis and Management (APPAM) (2010- 2014)
- Coalition to Restore Coastal Louisiana (CRCL) (2004-2011)
- Coastal & Estuarine Research Federation (2005-2013)
- Conference of Minority Public Administrators (COMPA) (2015-Present)
- International Society for Ecological Economics (1997-2014)
- International Society for the Advancement of Emergy Research (ISAER) (2010-Present)
- Korean-American Scientists and Engineers Association (KSEA) (2011-2014)
- Korean Society of Fisheries Business Administration (KSFBA) (2016-Present)
- KSEA-South Texas (2011-2014)
- Mississippi Political Science Association (MSPSA) (2015-2019)
- United States Society for Ecological Economics (2000-2014)

Academic Services

At Jackson State University

At university level

- Member, the Graduate Council (2021-present)
- Member, the Graduate Curriculum Committee (2021-present)
- Member, the JSU Faculty Senate (2021-present)
- Member, 2023 JSU Research Engagement Week. Organization Committee.
- Member, 2016 JSU Innovation Month. Planning committee.
- Member, University Promotion & Tenure Committee for 2022-2023
- Judge, 2022 JSU Research Engagement Week. Student poster competition. Oct, 2022.
- Mentor, Developing a Career Development Plan (for junior faculty) for 2020-2022 (Mentoring Assistant professor Lydia Didia for 2020-21; Assistant professor Hyunseob Kim for 2021-2022)
- Hosting the annual conference of the Mississippi Political Science Association at JSU, Feb. 10-11, 2017.
- Symposium organizer, 'Innovative Approaches to Community Development in Mississippi' Nov. 10, 2016.

At college level

- Committee member for Scholarship committee for 2018-2019
- Faculty Marshall for the 2017 Fall Commencement
- Standard Bearers of the College of Public Service for the Founders' Day Convocation, October 19, 2017.
- College Representative for the JSU Faculty Personnel Committee for 2016-2017
- Standard Bearers of the College of Public Service for the 2014 Spring Commencement
- Committee member for Distance Learning and Implementation Team for 2017-2018

- Committee member for Scholarship committee for 2018-2019

At department level

- Advisor for the PPAD student organization (2017-2021)
- Department representative for the JSU faculty senate (2021-present)
- A committee member for the department curriculum committee (2015-2020)
- PPAD dept. website coordinator (2014-present)
- PPAD dept. Facebook webpage manager (2016 - present)
- Program organizer for the JSU Public Policy Student Symposium
- Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015, Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, and Fall 2019.
- Program organizer and Moderator of Workshop on how-to-attend conferences & on how-to-publish.
April 6, 2016.
- Committee member, 5-year Roadmap/Strategic Dept. development committee. Spring 2016.
- Committee member, Ph.D. student admission committee, Fall 2016.
- Committee member, A faculty search committee, Fall 2014, Spring 2015.
- Committee member, A curriculum committee (2013-Present)
- Host for invited lecture speakers. Feb. 2014, Oct. 2014, Feb. 2015.
- Co-editor for the annual newsletter of the PPAD program, Spring 2014.

Public Services/Outreach Activities

- Invited Speaker (title: Challenges in maintaining water infrastructure in blighted cities: An explanation of the 2021 water crisis in Jackson, Mississippi, and policy suggestions for sustainable water infrastructure management). Implications for the 2021 Jackson Water Crisis: Past, Present, and Future. A MURC (Mississippi Urban Research Center) Virtual Townhall, November 16, 2021.
- Invited Speaker (title: Potentials of wetlands assimilation for the communities lacking NPDES compliance). Mississippi Conference of Black Mayors. Jackson, Mississippi, April 13, 2016.
- Panelist, Healthy Community Development Policy Forum, Jackson, Mississippi, November 17, 2015.
- Judge, 2015 Saints Classic Speech and Debate Tournament, Ridgeland, Mississippi. October 17, 2015.
- A member of the Galveston Bay Council (Monitoring and Research Subcommittee) (2006-2013).
- Judge, National Ocean Science Bowl Finals Competition, Texas A&M at Galveston, April 29-May 1, 2011.
- Judge, Galveston County Science and Engineering Fair, Galveston, Texas (2007 – 2012).
- Judge, Louisiana Science, and Engineering Fair, Baton Rouge, Louisiana (2004-2005).
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