

JOANN MOSSA

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RESEARCH INTERESTS AND EXPERTISE

Fluvial and Coastal Geomorphology, Processes and Hazards, Disturbed Rivers, Sediment and Channel Change Problems, River Restoration, Riverine-Coastal interactions
Google Scholar Profile: <https://scholar.google.com/citations?user=PQUng2UAAAJ&hl=en>

EDUCATION

- 1990 Ph.D. Louisiana State University, Baton Rouge
Geography (Fluvial/coastal geomorphology), Agronomy minor
Dissertation Title: Discharge-suspended sediment relationships in the Mississippi-Atchafalaya River system, Louisiana
- 1983 M.S. Louisiana State University, Baton Rouge
Geography (Geomorphology/Remote Sensing) 1983
Thesis Topic: Remote Sensing of Ice-Wedge Polygons, Colville River Delta, Alaska
- 1980 B.A. Rutgers College, Rutgers University, New Brunswick, NJ
Mathematics and Geography, 1980

PROFESSIONAL EXPERIENCE (excluding consulting)

Department of Geography, University of Florida
(Affiliate appointments: Geology, Hydrologic Sciences, Interdisciplinary Ecology)
Professor (2015 to present)
Undergraduate Coordinator, 1999-2016
Associate Professor (1996 to 2015)
Selected to teach at FSU London Study Centre, Spring 1999
Taught GLY 1000 Dynamic Earth and ENV 1331 Environmental Science
Assistant Professor (1990 to 1996)

Sichuan University, Chengdu, China
Visiting Faculty, Summer Immersion Program, June-July 2014
Taught two courses: Floods and Future Prospects, Inference and Evaluation

Coastal Engineering Research Center, Waterways Expt. Station, U.S. Army Corps of Engineers
Visiting Faculty Scientist (Summer 1991)

Louisiana Geological Survey, Coastal Geology Program, Louisiana State University
Research Associate IV (1988-90), Research Associate III (1983-88)
Field, lab, computer, and writing work regarding coasts, rivers, and uplands
Writing and managing grants and projects

Department of Mathematics, Louisiana State University
Instructor (1982), Taught 4 sections of remedial mathematics

Department of Geography, Louisiana State University
Graduate Research Assistant (1981-82) for H.J. Walker
Graduate Teaching Assistant (1980-81)
Aerial Photo Interpretation, Coastal Resources and Management

Remote Sensing and Image Processing Laboratory, Louisiana State University
Graduate Research Assistant (Summer 1981)

Department of Geography, Rutgers University
Research Assistant, Hydrology/Water Quality (1978-80)
Center for Coastal & Env't. Studies, Rutgers University, Cartographic Assistant (1979-80)

RESEARCH, TEACHING, ADVISING, AND SERVICE AWARDS (EXCLUDING GRANTS AND SCHOLARSHIPS)

- University of Florida Diversity Champion Award Nominee 2022
- 1st Place, Most Downloaded Paper in *Annals of GIS* for 2019 (2nd author, led by Ph.D. Graduate C.-Y. Wu), awarded in 2020
- 2nd Place, Most Cited Paper in *Annals of GIS* for 2019 (2nd author, led by Ph.D. Graduate C.-Y. Wu), awarded in 2021
- UF Term Professor, 2018-2021
- NSF Hydrolearn Fellow 2020 (hydrolearn.org)
- Richard J. Russell Award, 2018, In Recognition of Contributions to Coastal and Marine Geography, Coastal and Marine Specialty Group, American Association of Geographers
- College Liberal Arts & Sciences, Evening of Excellence, Faculty/Adviser Achievement Award, 2017
- Lifetime Achievement Award, Dept. of Geography, 2017
- University of Florida, Faculty Adviser of the Year, 2012
- College of Liberal Arts and Sciences, Adviser of the Year, 2012
- University of Florida Teaching Award Recipient, 1998

- University of Florida Teaching Award Recipient, 1994
- Invited Participant, NSF-USGS Faculty Workshop in Water Resources Sciences, Denver, CO
 - July 1993 (2 weeks); July 1995 (2 weeks)
- Certificate of Appreciation for Service, U.S. Army Corps of Engineers, 1991
- Certificate of Appreciation for Service, Soil Survey of Louisiana, National Resources Conservation Service, 1991

PUBLICATIONS

Refereed Journal Publications

Chen, Y-H, Mossa, J., and Singh, K.K. (resubmitted, in review) Woody vegetation establishment on point bars in a coastal plain river recovering from dredging disturbance, *Ecohydrology*.

Alruzuq, A.R., Remo, J.W.F., and Mossa, J. (resubmitted, minor revisions) Socio-Hydrology and Vulnerability of Levee Systems along Lower Illinois River, *Annals of GIS*.

Mossa, J., Chen, Y.-H., (2022). Geomorphic response to historic and ongoing human impacts in a large lowland river, *Earth Surface Processes and Landforms*, 47:1550–1569. <https://doi.org/10.1002/esp.5334>

Wu, C. Y., Mossa, J., Jaeger, J. (2022). Estimate of decadal-scale riverbed deformation and bed-load sediment transport during flood events in the lowermost Mississippi River, *Earth Surface Processes and Landforms*, 47:1271–1286, <https://doi.org/10.1002/esp.5316>

Mossa, J., Chen, Y.-H., (2021). Geomorphic insights from eroding dredge spoil mounds impacting channel morphology, *Geomorphology*, 376, 16 pp., 107571 <https://doi.org/10.1016/j.geomorph.2020.107571>

Amanambu, A., Obarein, O., Mossa, J., Ayeni, S.A., Balogun, O., Oyebamiji, A., Li, L., (2020). Groundwater System and Climate Change: Present Status and Future Considerations, *Journal of Hydrology*, <https://doi.org/10.1016/j.jhydrol.2020.125163>.

Mossa, J., Chen, Y.-H, Kondolf, G.M. and Walls, S.P., 2020. Channel and Vegetative Recovery following Dredging and Disposal, Apalachicola River, Florida, USA. *Earth Surface Processes and Landforms*, 45, 1926–1944, DOI: 10.1002/esp.4856.

Mossa, J., 2020. Controversial Camps in Conservation Lands: Apalachicola River’s Floating Structures, Florida. *Southeastern Geographer*, 60(2): 93-96, <https://muse.jhu.edu/journal/279>

Chen, Y.-H, Mossa, J., and Singh, K., 2020. Floodplain response to varied flows in a large coastal plain river. *Geomorphology*, v. 354, <https://doi.org/10.1016/j.geomorph.2020.107035>

Houser, C., Carbone, G., Lafon, C., Li, Y., & Mossa, J., 2020. Building on the legacy of Carol Harden, *Physical Geography*, v. 41, <https://www.tandfonline.com/doi/full/10.1080/02723646.2020.1715623>

Wu, Chia-Yu, Mossa, J., 2019. Decadal-scale variations of thalweg morphology and riffle–pool sequences in response to flow regulation in the lowermost Mississippi River. *Water*. v. 10, <https://www.mdpi.com/2073-4441/11/6/1175>

Wu, Chia-Yu, Mossa, J., Mao, L., and Abdulla, M., 2019. Comparison of different spatial interpolation methods for historical hydrographic data of the lowermost Mississippi River, *Annals of GIS*, 25:2, 133-151, <https://doi.org/10.1080/19475683.2019.1588781>

Mossa, J., Chen, Y.-H., Wu, C.-Y., 2019. Geovisualization geoscience of large river floodplains. *Journal of Maps* (Art-geoscience: exploring interdisciplinary representations of space and place), 15:3, 75-91, <https://doi.org/10.1080/17445647.2019.1584129>

Mossa, J., Chen, Y.-H., 2018. Floating fish camps on the Apalachicola River: Increases and Implications, *Florida Geographer*, v. 47, 27 pp.

Mossa, J., Chen, Y.-H, Walls, S.P., and Kondolf, G.M., 2017. Anthropogenic landforms and sediments from dredging and disposing sand along the Apalachicola River and its floodplain, *Geomorphology*, v. 294: 119-134, <http://www.sciencedirect.com/science/journal/aip/0169555X>

Castillo, D., Kaplan, D., & Mossa, J. 2016. A synthesis of stream restoration efforts in Florida (USA). *River Research and Applications*. V. 32 (7): 1555–1565, DOI: 10.1002/rra.3014

Prado Jr., F.A., Athayde, S., Mossa, J., Leite, F., Bohlman, S., Oliver-Smith, A. 2016. How much is enough? An integrated examination of energy security, economic growth and climate change related to hydropower expansion in Brazil. *Renewable and Sustainable Energy Reviews*, pp. 1132-1136, <https://doi.org/10.1016/j.rser.2015.09.050>

Mossa, J. 2016. The changing geomorphology of the Atchafalaya River, Louisiana: A historical perspective. *Geomorphology*, 252, 112-127. <http://dx.doi.org/10.1016/j.geomorph.2015.08.018>

Rahn, J.L., Lannon, H. and Mossa, J. 2015. Diver depth-gage profiling beyond wading depths: A new simple method for underwater surveying. *Journal of Coastal Research*, 31(2): 505-511. DOI: 10.2112/JCOASTRES-D-12-00242

Mossa, J., 2014. Capstone portfolios and Geography student learning outcomes. *Journal of Geography in Higher Education*, v. 33 (4), pp. 571-581 pp., DOI:10.1080/03098265.2014.958659

James, L.A. and Mossa, J. 2013. Dedication to James Knox. *Physical Geography*, v. 34(4-5), pp. 261-266. DOI:10.1080/02723646.2013.846684

Mossa, J. and James, L.A., 2013. Changing River Channels. *Physical Geography* v. 34(4-5), pp. 267-272. DOI:10.1080/02723646.2013.846688

Mossa, J. 2013. Historical channel geometry of a major juncture: Lower Old River, Louisiana. *Physical Geography*, v. 34(4-5), pp. 314-334. DOI:10.1080/02723646.2013.847314.

Mossa, J. and Heitmuller, F.T., 2011. Introduction to the physical geography of medium-sized rivers, focusing on the southeastern and south-central United States, *Physical Geography*, Vol. 32, 5, pp. 393-398.

Mossa, J. and Marks, S.R., 2011. Pit avulsions and planform change on a mined river floodplain: Tangipahoa River, Louisiana, U.S.A., *Physical Geography*, Vol. 32, 6, pp. 512–532, doi: 10.2747/0272-3646.32.6.512.

Rasmussen, J.L. and Mossa, J., 2011. Oxbow lakes as indicators of channel change, Leaf River, Mississippi, USA. *Physical Geography* Vol. 32, 6, pp. 497–511, doi: 10.2747/0272-3646.32.6.497.

Blanton, K., Mossa, J., Kiefer, J., and Wise, W.R., 2010, Bankfull indicators in small blackwater streams in peninsular Florida: Reliability and relations with hydrology, *Southeastern Geographer*, 50(4): 422–444, <http://muse.jhu.edu/journals/sgo/summary/v050/50.4.blanton.html>.

Mossa, J., 2006, Quantifying Channel Planform Change, *Papers of the Applied Geography Conference*, v. 29, pp. 65-70.

Mossa, J., Latrubesse, E., and Gupta, A., 2002, Preface to Geomorphology of South and Central American Rivers, *Zeitschrift fur Geomorphologie*, Supplementband 129, pp. v-vi. . Ed.: 158 p., Band 129.75 figures, 22 tables, ISBN 3-443-21129-1

Brim-Box, J., and Mossa, J., 1999, Sediments, land use, and freshwater mussels: Prospects and problems: *Journal of the North American Benthologists Society*, v. 18(1), pp. 99-117, <http://www.jstor.org/stable/1468011>.

Mossa, J., 1998, The promise for geomorphic discovery in the South: *Journal of Geography*, v. 97, pp. 151-161.

Mossa, J., 1998, The bipolar line level: A simple, rapid method of topographic surveying: *Journal of Sedimentary Research*, v. 68A, no. 5, pp. 1048-1050.

Mossa, J., and Konwinski, J., 1998, Thalweg variability at bridges along a large karst river, *Engineering Geology*, v. 49, pp.15-30.

Hudson, P.F., and Mossa, J., 1997, Suspended sediment transport effectiveness of three large impounded rivers, U.S. Gulf Coast: *Environmental Geology*, v. 32 (4), pp. 263-273.

Mossa, J., and McLean, M.B., 1997, Channel planform and land cover changes on a mined river floodplain: Amite River, Louisiana, USA: *Applied Geography*, v. 17(1), pp. 43-54, [http://dx.doi.org/10.1016/S0143-6228\(96\)00026-4](http://dx.doi.org/10.1016/S0143-6228(96)00026-4).

Mossa, J., 1996, Sediment dynamics of the lowermost Mississippi River. *Engineering Geology*, v. 45, pp. 457-479, [http://dx.doi.org/10.1016/S0013-7952\(96\)00026-9](http://dx.doi.org/10.1016/S0013-7952(96)00026-9).

Mossa, J., 1995, Quaternary landscape development, southeastern Louisiana: *Southeastern Geology*, v. 35(4), pp. 215-23.

Doyle, E.F., van Dokkum, H.P., Vermulst, C.J.W., Anderson, D., and Mossa, J., 1995, Device for sampling unconsolidated soft bottom sediments in canals: *Journal of Environmental Quality*, v. 24 (4), pp. 786-88.

Mossa, J., 1995, Topic synthesis: A vehicle for improving oral communication skills, comprehension and retention in higher education: *Journal of Geography in Higher Education*, v. 19 (2), pp. 143-50.

Mossa, J., and Miller, B.J., 1995, Geomorphic development and paleoenvironments of late Pleistocene sand hills, southeastern Louisiana: *Southeastern Geology*, v. 35 (2), pp. 79-92.

Mossa, J., 1995, Participatory field guidebooks and excursions: *Journal of Geography in Higher Education*, v. 19 (1), pp 83-90.

Mossa, J., and Schumacher, B.A., 1993, Fossil tree casts in south Louisiana soils, *Journal of Sedimentary Petrology*, v. 63 (4), pp. 707-13.

Nakashima, L.D., and Mossa, J., 1991, Responses of natural and seawall-backed beaches to recent hurricanes on the Bayou Lafourche headland, Louisiana: *Zeitschrift für Geomorphologie*, v. 35(2), pp. 239-56.

Suter, J.R., Mossa, J., and Penland, S., 1989, Preliminary assessments of the occurrence and effects of utilization of sand and aggregate resources of the Louisiana Inner Shelf: *Marine Geology*, v. 90, pp. 31-37.

Walker, H.J., and Mossa, J., 1986, Human modification of the shoreline of Japan: *Physical Geography*, v. 7, p. 116-39.

Walker, H.J., and Mossa, J., 1982, Effects of artificial structures on lagoon processes and forms: *Oceanologica Acta*, v. 5, p. 191-8.

Books

Henry, J., and Mossa, J., 1995, *Natural Landscapes of the United States*, Kendall-Hunt, Dubuque, IA, 400 pp.

Refereed Book Chapters

Mossa, J., and James, L.A., (accepted July 19, 2021, proof edited August 12, 2021). Geomorphic Perspectives on Mining Landscapes, Hazards, and Sustainability, *Treatise on Geomorphology*, 2nd edition, 38 pp., edited by Carol Harden, Elsevier, United Kingdom, <https://doi.org/10.1016/B978-0-12-818234-5.00159-0>

Mossa, J. 2015. Capstone portfolios and geography student learning outcomes In, Martin Haigh, Debby Cotton, Tim Hall, eds., Chapter 18: Pedagogic Research in Geography Higher Education, Routledge, London, selected for reprinted from the *Journal of Geography in Higher Education*, ISBN 978-1-13-896208-8.

Mossa, J., 2015, Geomorphic perspectives of managing, modifying and restoring a river with prolonged flooding: Kissimmee River, Florida, USA, Chapter 7 in Hans Middelkoop and Paul Hudson, *Geomorphology and Management of Embanked Floodplains: North American and European Fluvial Systems in an Era of Global Environmental Change*, Springer Verlag, pp. 141-167.

Mossa J., and James L.A. 2013. 13.6 Impacts of Mining on Geomorphic Systems, In *Treatise on Geomorphology*, edited by John F. Shroder, Academic Press, San Diego, 2013, Pages 74-95, ISBN 9780080885223, <http://dx.doi.org/10.1016/B978-0-12-374739-6.00344-4>.

Mossa, J. and Autin, W.J., 1998, Geographic and geologic aspects of aggregate production in Louisiana, in Bobrowsky, P., ed., *Aggregate Resources: A Global Perspective*, A. Balkema, Rotterdam, The Netherlands, pp. 439-63.

Mossa, J., 1991, Geomorphology of south Louisiana, pp. 123-34 in Goldthwaite, D., ed.: *An Introduction to Central Gulf Coast Geology*, New Orleans Geological Society, 232 pp.

Refereed Journals, Guest Editing

Mossa, J., and James, L.A., guest editors, 2013, Changing River Channels, *Physical Geography*, Vol. 34, Issues 5 & 6.

Mossa, J., and Heitmuller, F.T. guest editors, 2011, Physical geography of medium-sized rivers, focusing on the southeastern and south-central United States, *Physical Geography*, Vol. 32, Issues 5 & 6.

Mossa, J., Latrubesse, E., and Gupta, A., editors, 2002, South and Central American Rivers, *Zeitschrift für Geomorphologie, Supplementband 129*, 158 pp.

Refereed Items in Encyclopaedias

Mossa, J., 2013, Levee, In: Bobrowsky, P.T., Editor, *Encyclopedia of Natural Hazards*, Dordrecht, Netherlands: Springer-Verlag, pp. 624-625, ISBN: 978-90-481-8699-0 (Print) 978-1-4020-4399-4 (Online).

Mossa, J., 2013, Avulsion, In: Bobrowsky, P.T., Editor, *Encyclopedia of Natural Hazards*, Dordrecht, Netherlands: Springer-Verlag, p. 40, ISBN: 978-90-481-8699-0 (Print) 978-1-4020-4399-4 (Online).

Mossa, J., 2013, Hurricane Katrina, In: Bobrowsky, P.T., Editor, *Encyclopedia of Natural Hazards*, Dordrecht, Netherlands: Springer-Verlag, pp. 494-495, ISBN: 978-90-481-8699-0 (Print) 978-1-4020-4399-4 (Online).

Book Reviews in Journals

Mossa, J., 2022. Book review of A Road Running Southward: Following John Muir's Journey Through an Endangered Land. Dan Chapman. Island Press, Washington D.C. 2022. 256 pp., 2 figs. \$26.94 hardcover (ISBN 9780817359997) for the *Southeastern Geographer*, v. 62(4), 2 pp.

Mossa, J., 2004 Book review of An Outdoor Guide to Bartram's Travels. Charles D. Spornick, Alan R. Cattier, and Robert J. Greene, The University of Georgia Press, Athens, 2003, 405 pp., index, maps, tables, figures, notes and refs., \$39.95 cloth (ISBN 0-8203-2437-X) and \$19.95 paper (ISBN 0-8203-2438-8) for the *Southeastern Geographer*, v. 44(1), pp. 122-124, 10.1353/sgo.2004.0011.

Mossa, J., 2003, Book review of Living on the Edge of the Gulf: The West Florida and Alabama Coast. David M. Bush, Norma J. Longo, William J. Neal, Luciana S. Esteves, Orrin H. Pilkey, Deborah F. Pilkey, and Craig A. Webb. Durham, NC: Duke University Press, 2001, xxiv and 340 pp., apps. and index. \$64.95 cloth (ISBN 0-8223-2533-0); \$22.95 paper (ISBN 0-8223-2565-9) for the *Professional Geographer*, 2 pp.

Mossa, J., 1995, Review of: Viles, H., and Spencer, T., ed., 1995, *Coastal Problems: Geomorphology, Ecology, and Society at the Coast*, Edward Arnold, London, 350 pp., in: *Annals of the Association of American Geographers*, v. 85(4), pp. 742-744.

Mossa, J., 1992, Review of: Livingston, R.J., ed., 1991, *Rivers of Florida*, Ecological Studies 83, Springer-Verlag, New York, 289 pp., in: *The Florida Geographer*, v. 26, pp. 60-2.

Proceedings and Transactions

Mossa, J., Garfield, U., and Rasmussen, J., 2010, Cross Sectional Variability of the Restored Kissimmee River, Florida: Joint Federal Interagency Conference 2010, 9th Federal Interagency Sedimentation Conference, Las Vegas, Nevada, June 27 - July 1, 2010, 12 pp.

Mossa, J., and Coley, D., 2006, Channel Stability and Instability in the Pascagoula River and Tributaries, Mississippi, Proceedings of the 36th Annual Mississippi Water Resources Conference, Jackson, MS, pp. 70-78.

Mossa, J., 2003, Channel Changes and Human Impacts in the Leaf River, Mississippi, pp. 131-160 in McBride, D., 2003 *Proceedings, Mississippi Water Resources Conference*, Raymond, MS, 172 pp.

Autin, W.J., and Mossa, J., 1997, Environmental systems approach to basin management: Future alternatives in the Amite River basin, pp. 83-89 in *Floodplain Management in a Multi-faceted World*, Proceedings of the 21st Annual Meeting of the National Association of State Floodplain Managers.

Vernon, R.D., Autin, W.J., and Mossa, J., 1992, Developing a floodplain sand and gravel mine reclamation program in the Amite River basin of Louisiana, pp. 240-5 in Proceedings of the Intl. Symposium on Land Reclamation, American Society of Agricultural Engineers, St. Joseph, MI.

Mossa, J., 1991, Temporal and downstream changes in suspended sediment transport in the Mississippi and Atchafalaya Rivers, pp. 159-63 in *Coastal Depositional Systems in the Gulf of Mexico: Quaternary Framework and Environmental Issues*, Twelfth Annual Research Conference, Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation.

Penland, S., Mossa, J., and McBride, R.A., Ramsey, K.E., Suter, J.R., Groat, C.G., and Williams, S.J., 1990, Offshore and onshore sediment resource delineation and usage for coastal erosion control in Louisiana: The Isles Dernieres and Plaquemines Barrier Systems: pp. 74-86 in Hunt, M.C., Doenges, S., and Stubbs, G.S., eds.: Proceedings of the Second Symposium on Studies Related to Continental Margins - A Summary of Year-Three and Year-Four Activities, U.S. Minerals Management Service, 206 pp.

Mossa, J., and Roberts, H.H., 1990, Synergism of riverine and winter storm-related sediment transport processes in Louisiana's coastal wetlands: Transactions of the Gulf Coast Association of Geological Societies, v. 40, pp. 47-55.

Mossa, J., and Nakashima, L.D., 1989, Changes along a seawall and natural beaches: Fourchon, Louisiana: Coastal Zone '89 - Proceedings of the Sixth Symposium on Coastal and Ocean Management, American Society of Civil Engineers, pp. 3723-37.

Mossa, J., 1989, Hysteresis and nonlinearity of discharge-sediment relationships in the Atchafalaya and lower Mississippi Rivers: pp. 105-12 in Sediment and the Environment, International Association of Hydrologic Sciences Publication No. 184, Proceedings of the Baltimore Symposium.

Mossa, J., 1988, Discharge-sediment dynamics of the lower Mississippi River: Transactions of the Gulf Coast Association of Geological Societies, v. 38, pp. 303-14.

Suter, J.R., Mossa, J., and Penland, S., 1988, Preliminary assessments of the occurrence and effects of utilization of sand and aggregate resources of the Louisiana Inner Shelf, in Hunt, M.C., Ratcliff, D.C.,

Doenges, S., and Condon, C., eds.: Proceedings of the First Symposium on Studies Related to Continental Margins - A Summary of Year-One and Year-Two Activities, U.S. Minerals Management Service, pp. 80-90.

Nakashima, L., Pope, J., Mossa, J., and Dean, J.L., 1987, Initial response of a segmented breakwater system, Holly Beach, Louisiana: Coastal Sediments '87, American Society of Civil Engineers, v. 2, pp. 1399-1414.

Mossa, J., 1985, Management of floodplain sand and gravel mining: Flood Hazard Management in the Government and Private Sector, Proceedings of the Ninth Annual Meeting of the National Association of State Floodplain Managers, pp. 321-8.

Mossa, J., 1984, Wave climate studies in the northern Gulf of Mexico, OCEANS 84, MTS/IEEE, v. 2, p. 717-24.

Non-Refereed Book Chapters

Mossa, J., 1998, Surface Water, pp. 64-81 in Fernald, E.A., and Purdum, B., eds., *Water Resources Atlas of Florida*, Florida State University Press, Tallahassee, 312 pp.

Mossa, J., 1997, Geomorphology of the rivers of peninsular Florida, pp. 85-96 in Oldakowski, R.O., Molina, L., and Purdum, B., eds., *Growth, Technology, Planning, and Geographic Education in Central Florida: Images and Encounters*, Pathways in Geography Resource Publication Title No. 16, Prepared for the 82nd meeting of the National Council for Geographic Education, Orlando, Florida, October 8-11, 1997, 144 pp.

Lannon, H.L. and Mossa, J., 1997, Coastal geography of central Atlantic Florida, pp. 97-110 in Oldakowski, R.O., Molina, L., and Purdum, B., eds., *Growth, Technology, Planning, and Geographic Education in Central Florida: Images and Encounters*, Pathways in Geography Resource Publication Title No. 16, Prepared for the 82nd meeting of the National Council for Geographic Education, Orlando, Florida, October 8-11, 1997, 144 pp.

Field Guidebooks, Contributions

Hudson, P.F., and Mossa, J., 1997, Discharge and suspended sediment dynamics of Texas rivers, pp. 139-45 in Lyons, D., and Hudak, P., eds., *Geographic Perspectives on the Texas Region*, 93rd Annual Meeting of the Association of American Geographers, Fort Worth, Texas, 180 pp.

Mossa, J., 1995, Sand and gravel mining in the Amite River flood plain, pp. 326-360 in John. C.J., and Autin, W.J., eds., *Guidebook of Geological Excursions*, Geological Society of America, 1995 Annual Meeting, New Orleans, LA, 360 pp.

Mossa, J., 1993, Physical setting of Paynes Prairie, pp. 1-9 in Mossa, J., ed.: *A Field Guidebook for the Florida Society of Geographers 1993 Annual Meeting*, Gainesville, FL, 58 pp.

Mossa, J., 1993, Hydrodynamics and suspended sediment transport of the lower Red River, pp. 81-91 in Autin, W.J., and Snead, J.I., eds., *Quaternary Geology and Geoarcheology of the Lower Red River Valley*, Friends of the Pleistocene, South Central Cell, Eleventh Annual Field Conference, Alexandria, Louisiana, March 26-28, 1993, 163 pp.

Mossa, J., and others, 1989, Introductory chapters and site chapters for eight field stops, in Mossa, J., and Autin, W.J., eds., *Quaternary Geomorphology and Stratigraphy of the Florida Parishes, southeastern Louisiana*: Louisiana Geological Survey, Field Trip Guidebook No. 5, 98 pp.

Field Guidebooks, Editing

Mossa, J., ed., 1993, Physical and Human Geography of Paynes Prairie: A Field Guidebook for the Florida Society of Geographers 1993 Annual Meeting, Gainesville, FL, 58 pp.

Mossa, J., and Autin, W.J., eds., 1989, Quaternary Geomorphology and Stratigraphy of the Florida Parishes, southeastern Louisiana: Louisiana Geological Survey, Field Trip Guidebook No. 5, 98 pp.

Mossa, J., and Autin, W.J., eds., 1986, Quaternary Geomorphology and Stratigraphy of the Florida Parishes, southeastern Louisiana: Friends of the Pleistocene Field Trip Guidebook, South-Central Cell, 103 pp.

Miscellaneous Contributions

Mossa, J. and Lamme, A.J., III, 1994, A melodrama: Geography colleagues in conflict: Globehead-The Journal of Extreme Geography, v. 1(2), pp. 36-42.

Reports or Chapters, Published by Federal and State Government Agencies

Mossa, J., 2001, Geology and landforms of Plaquemines Parish, Louisiana, in Soil Survey of Plaquemines Parish, Louisiana, U.S. Department of Agriculture, Soil Conservation Service.

Mossa, J., 1997, Landforms and surface geology of Washington Parish, Louisiana, pp. 88-90 in Soil Survey of Washington Parish, Louisiana, U.S. Department of Agriculture, Natural Resources Conservation Service, 143 pp. and appendices.

Morang, A., Mossa, J., and Larson, R.J., 1995, Coastal Geologic Investigations, Engineering and Design: Coastal Geology, Engineer Manual, Coastal Engineering Research Center, U.S. Army Waterways Experiment Station, EM 1110-2-1810, pp. 5-1 to 5-94.

Morang, A., Mossa, J., and Larson, R.J., 1993, Technologies for Assessing the Geologic and Geomorphic History of Coasts, U.S. Army Waterways Experiment Station, Coastal Engineering Research Center, Technical Report 93-5, 140 pp.

Mossa, J., Meisburger, E.M., and Morang, A., 1992, Geomorphic Variability in the Coastal Zone, U.S. Army Corps of Engineers Waterways Experiment Station, Coastal Engineering Research Center, Technical Report CERC-92-4, 104 pp.

Contract Reports or Chapters, Published by Federal and State Agencies

Mossa, J., 1994, Geomorphology in the Vicinity of Four Construction Items Below New Orleans, pp. 5-20 in Franks, H.A., and Yakubik, J., Cultural Resources Survey of Four Construction Items Below New Orleans, Cultural Resource Series Report Number COELMN/PD-91/02, U.S. Army Corps of Engineers, New Orleans District, 313 pp.

Jones, D., Mossa, J., Weidenfeld, M., Lewis, A., and Kuttruff, C., 1993, A Cultural Resources Survey of Greenwood Bend and Iowa Point Revetment, Mississippi River, Louisiana, M-293.1 to 280.0-L, Cultural Resources Series Report Number COELMN/PD-94/05, U.S. Army Corps of Engineers, New Orleans District, 145 pp.

Jones, D., Mossa, J., and Smith, F.T., 1993, A Cultural Resources Survey of the Fort Adams Reach Revetment, Mile 312.2 to 306.0-L, Mississippi River, Wilkinson County, Mississippi, Cultural Resources Series Report Number COELMN/PD-91/04, U.S. Army Corps of Engineers, New Orleans District, 101 pp.

Jones, D., Mossa, J., Smith, F.T., Banta, B., Treffinger, J., Wiedenfeld, M., and Yakubik, J., 1993, A Cultural Resources Survey of Arlington Revetment and LSU Berm Levee Improvement Item, East Baton Rouge Parish, Louisiana, Cultural Resources Series Report Number COELMN/PD-91/01, U.S. Army Corps of Engineers, New Orleans District, 173 pp.

Mossa, J., 1991, Geology and Geomorphology of the proposed Upper Site, New Lock and Connecting Channels, Orleans Parish, Louisiana, pp. 3-28 in Franks, H.A., ed., A Research Design for Archeological Investigations and Architectural Evaluations within the proposed Upper Site, New Lock and Connecting Channels, Inner Harbor Navigation Canal, Orleans Parish, Louisiana, Cultural Resources Series Report Number COELMN/PD-90/09, U.S. Army Corps of Engineers, New Orleans District, 499 pp.

Mossa, J., Lindstedt, D., Cahoon, D., and Barras, J., 1990, Environmental Characteristics and Habitat Change for the Louisiana Coastal Zone, pp. 167-204 in Cahoon, D.R., and Groat, C.G., editors, A Study of Marsh Management Practice in Coastal Louisiana, Volume 2, Technical Description, Final Report Submitted to Minerals Management Service, New Orleans, LA, Contract No. 14-12-0001-30410 and OCS Study/MMS 90-0075.

Mossa, J., 1990, Water Levels in Managed and Unmanaged Marshes, pp. 368-75 in Cahoon, D.R., and Groat, C.G., editors, A Study of Marsh Management Practice in Coastal Louisiana, Volume 3, Ecological Evaluation, Final Report Submitted to Minerals Management Service, New Orleans, LA, Contract No. 14-12-0001-30410 and OCS Study/MMS 90-0075.

Mossa, J., and Lindstedt, D.M., 1990, Detailed Description of the Physical and Biological Environment of Louisiana's Coastal Zone, pp. L-3 to L-236 in Cahoon, D.R., and Groat, C.G., editors, A Study of Marsh Management Practice in Coastal Louisiana, Volume 4, Appendixes, Final Report Submitted to Minerals Management Service, New Orleans, LA, Contract No. 14-12-0001-30410 and OCS Study/MMS 90-0075.

Whitmer, A., Banta, B., and Mossa, J., 1990, A Cultural Resources Survey of the Belle River Borrow Area, St. Martin Parish, Louisiana, Cultural Resource Series Report Number COELMN/PD-90/05, U.S. Army Corps of Engineers, New Orleans District, 52 pp.

Shuman, M.K., Nakashima, L.D., Mossa, J., Franks, H., Jones, K., and Smith, F., 1990, Research Design for the Violet Site Alternative, New Lock and Connecting Channels, St. Bernard Parish, Louisiana, Cultural Resources Series Report Number COELMN/PD-89/02, U.S. Army Corps of Engineers, New Orleans District, 145 pp.

Mossa, J., 1989, Geomorphology of the proposed Solari borrow area, pp. 8-13 in Cultural Resource Investigations in the vicinity of Fort Jackson, Plaquemines Parish, Louisiana: The proposed Solari borrow area, Cultural Resource Series Report Number COELMN/PD-89/03, U.S. Army Corps of Engineers, New Orleans District, 99 pp.

Mossa, J., Penland, S., and Moslow, T.F., 1985, Coastal structures in Louisiana's Barataria Bight, Louisiana Geological Survey, Coastal Geology Technical Report No. 1, 28 pp.

Miscellaneous Contributions, Reports submitted to International Agencies

Mossa, J., 2016. Finke River and Running Water Geomorphic Assessment, prepared for the Minister of Land Resource Management, Flora and Fauna Division, Northern Territories Government, Australia, 36 pp.

Miscellaneous Contributions, Reports submitted to Federal and State Agencies

Kondolf, G.M., Walls, S., Mossa, J., Chen, Y-H., Gangloff, M. 2017. Deliverable 10, Fish and Wildlife Conservation Commission (FWCC), Aquatic Habitat Restoration/Enhancement Subsection (AHRES), Project 00120439 (NID: 72664), June 2017.

Walls, S., Mossa, J., Chen, Y-H., Kondolf, G.M., Gangloff, M. Deliverable 7: Geodatabase Findings, Apalachicola River Mussel Habitat Restoration including Fluvial Geomorphic Assessment, Florida Fish and Wildlife Conservation Commission (FWCC), Aquatic Habitat Restoration/Enhancement Subsection (AHRES), Project 00120439 (NID: 72664), March 2017.

Gangloff, M. Mossa, J., Deliverable 9: Integrative report of mussel habitat use and channel geomorphology in the RM40-63 reach of the Apalachicola River 2000-2016, Apalachicola River Mussel Habitat Restoration including Fluvial Geomorphic Assessment, Florida Fish and Wildlife Conservation Commission (FWCC), Aquatic Habitat Restoration/Enhancement Subsection (AHRES), Project 00120439 (NID: 72664) March 2017.

Mossa, J., Chen, Y-H, Wu, C.-Y., Walls, S., 2017. Deliverable #11, Enhanced Sediment Analysis, Middle Apalachicola River, 2016. Apalachicola River Mussel Habitat Restoration including Fluvial Geomorphic Assessment, Florida Fish and Wildlife Conservation Commission (FWCC), Aquatic Habitat Restoration/Enhancement Subsection (AHRES), Project 00120439 (NID: 72664).

Mossa, J., Chen, Y-H., Kondolf, G.M., Walls, S., Gangloff, M. and Tonsmeire, D. 2017. Deliverable #5, Low and High Water Studies and Data Collection, 2016, Apalachicola River Mussel Habitat Restoration including Fluvial Geomorphic Assessment, Florida Fish and Wildlife Conservation Commission (FWCC), Aquatic Habitat Restoration/Enhancement Subsection (AHRES), Project 00120439 (NID: 72664), January 2017.

Mossa, J. and Garfield, U., 2010, Data Report of Bottom Sediment Observations: FY 2010, Geomorphic Monitoring of the Kissimmee River Restoration, Submitted to the South Florida Water Management District, 17 pp.

Mossa, J. and Garfield, U., 2010, Data Report on Transect Observations: FY 2010, Geomorphic Monitoring of the Kissimmee River Restoration, Submitted to the South Florida Water Management District, 32 pp.

Mossa, J., and Horan, A., 2010, Bank Erosion Monitoring Data Observations: FY 2010, Geomorphic Monitoring of the Kissimmee River Restoration, Submitted to the South Florida Water Management District, 46 pp.

Mossa, J. and Valdes, J., editors, Geomorphic Monitoring of the Kissimmee River Restoration: 2006-2009, South Florida Water Management District, 201 pp.

Mossa, J., Hupp, C.R., Gellis, A., and Valdes, J., 2009, Chapter 1: Introduction and Objectives. In: Mossa, J. and Valdes, J., editors, Geomorphic Monitoring of the Kissimmee River Restoration: 2006-2009, South Florida Water Management District, pp. 3-11.

Mossa, J., Garfield, U., and Rasmussen, J., 2009, Chapter 4: Channel Cross Section Monitoring. In: Mossa, J. and Valdes, J., editors, Geomorphic Monitoring of the Kissimmee River Restoration: 2006-2009, South Florida Water Management District, pp. 67-109.

Mossa, J., Garfield, U., and Rasmussen, J., 2009, Chapter 5: Bottom Sediment Observations Objectives. In: Mossa, J. and Valdes, J., editors, Geomorphic Monitoring of the Kissimmee River Restoration: 2006-2009, South Florida Water Management District, pp. 110-171.

Mossa, J., and Garfield, U., 2009, Chapter 6, Geospatial Analysis Of Channel Planform Changes in Mossa, J. and Valdes, J., editors, Geomorphic Monitoring of the Kissimmee River Restoration: 2006-2009, South Florida Water Management District, pp. 172-193.

Mossa, J., Hupp, C.R., Gellis, A.C., Pearman, J.L., Schenk, E.R., Garfield, U., Rasmussen, J., and Habermahl, P.J., 2009, Chapter 7: Summary and Conclusions. In: Mossa, J. and Valdes, J., editors, Geomorphic Monitoring of the Kissimmee River Restoration: 2006-2009, South Florida Water Management District, pp. 194-201.

Mossa, J., Rasmussen, J., and Garfield, U., 2007, Cross Sectional Variability of the Restored Kissimmee River, Florida, A Report for: Geomorphic Monitoring of the Kissimmee River Restoration Channel Monitoring Report, Year 1

Mossa, J., Coley, D., and Rasmussen, J., 2007, Geomorphic Assessment of Channel Changes Along a Modified Floodplain, Pascagoula River, Mississippi: Final Report, Submitted to the U.S. Army Corps of Engineers, Pat Harrison Waterway District, Mississippi Nature Conservancy and the U.S. Geological Survey, 498 pp.

Mossa, J., and Coley, D., 2004, Geomorphic Assessment of Channel Changes Along a Modified Floodplain, Pascagoula River, Mississippi: Year 2 Interim Report, Submitted to the U.S. Army Corps of Engineers, Pat Harrison Waterway District, Mississippi Nature Conservancy and the U.S. Geological Survey, 350 pp.

Mossa, J., 2003, Geomorphic Assessment of Channel Changes Along a Modified Floodplain, Pascagoula River, Mississippi: Year 1 Interim Report, Submitted to the U.S. Army Corps of Engineers, Pat Harrison Waterway District, Mississippi Nature Conservancy and the U.S. Geological Survey, 121 pp.

Graham, W., Campbell, K.L., Mossa, J., Motz, L.H., Rao, P.S.C., Wise, W.R., Genereux, D., 1996, Initial Assessment Report: Hydrologic Sciences Task Force on Water Management Issues Affecting the C-111 Basin, Dade County, Florida, 70 pp. and appendices.

Mossa, J., 1996, Geomorphic Approaches for Evaluating Bridge Scour: Case Studies from North Florida: in partial fulfillment of HPR Study No. 0693, WPI 0510693, State Job No. 99700-3537-119, Contract No. B-8363, 83 pp. and appendices.

Mossa, J., Hudson, P., Wilder, B., and Lower, J., 1993, Suspended Sediment Supply from Large Rivers Entering the Northern Gulf of Mexico, Report submitted to the U.S. Army Waterways Experiment Station in fulfillment of Contract No. DACA39-M-4918, 103 pp and appendices.

GRANTS, CONTRACTS, AND RESEARCH AWARDS (as Principal or Co-Principal Investigator)

- | | |
|---------|--|
| 2017-23 | Stabilizing Point Bars with Willows to Improve Riparian Habitat and Water Quality: Integrating Students and Other Stakeholders with Restoration and Geovisualization. Environmental Protection Agency (EPA) Gulf of Mexico Program Cooperative Agreements (J. Mossa, PI), 2017-2023, \$262,204 |
| 2015-17 | Apalachicola River Mussel Habitat Restoration including Fluvial Geomorphic Assessment, PI Joann Mossa, \$206,134 (with Apalachicola Riverkeeper subcontract) |
| 2014-15 | Technical Assistance and Data Management for Agricultural Land Use Survey, Technical Assistance for Land Use Survey, J. Mossa, PI, \$121,538 |
| 2013-14 | Developing an algorithm to identify perennial and ephemeral streams by using high resolution remotely sensed data, 2013-2014. Florida Space Institute. PI: Dingbao Wang, UCF, co-PI Joann Mossa, \$29,973 (\$10,560 to Mossa/UF) |
| 2013-15 | Rede de Cooperação Internacional para Pesquisa Integrativa sobre Efeitos Socioambientais de Barragens Hidroelétricas na Amazônia Legal: Aprendendo com as Experiências” (International Cooperation Network for Integrative Research on Socio-environmental Effects of Hydroelectric Dams in the Brazilian Amazon: Learning with the Experiences), CAPES (Coordenação de Aperfeiçoamento de Pessoal de Nível Superior), Joann Mossa, co-PI, R\$305,448. |
| 2012-13 | Geography Student Learning Outcomes and Capstone Portfolios, Association of American Geographers, NSF-EDGE (Enhancing Departments and Graduate Education), Joann Mossa, PI, \$500 |
| 2012 | Training in Geomorphic Methods to Evaluate the Kissimmee River Restoration Project. Joann Mossa, PI, \$17,836.96 |
| 2010-11 | Geomorphic Monitoring of the Kissimmee River Restoration, South-Central Florida, South Florida Water Management District, J. Mossa, Principal Investigator, \$66,700 |

2009-10	Geomorphic Monitoring of the Kissimmee River Restoration, South-Central Florida, South Florida Water Management District, J. Mossa, Principal Investigator, \$58,000
2010-11	Technical Support and Data Management for Agricultural Land Use Survey, St. Johns River Water Management District, J. Mossa, Principal Investigator, \$80,215
2010-11	University of Florida Student Services Task Order, U.S. Geological Survey, Department of Interior, J. Mossa, Principal Investigator, \$15,600
2006-14	Fluvial System Functions and Reclamation Practices for Low-Order Streams at Florida Phosphate Mines, Florida Institute of Phosphate Research, 2006-2014, William Wise, Joann Mossa, and Thomas Crisman, co-PIs, \$382,000 (granted to BCI)
2006-09	Geomorphic Monitoring of the Kissimmee River Restoration, South-Central Florida, South Florida Water Management District, 2006-2009, \$161,000 (UF portion), J. Mossa, Principal Investigator, \$50,000 Year 1, \$57,000 Year 2, \$54,000 Year 2
2006-09	Interagency Agreement to Provide Technical Support to Water Use Data Management and Cartography, St. Johns River Water Management District, J. Mossa, Principal Investigator, \$130,000
2004-06	Geospatial Analysis of Channel Planform Change in Mined River Floodplains: Impacts and Implications for Resource Extraction Policy, U.S. Geological Survey, Mineral Resources Program, 2004-2006, J. Mossa, Principal Investigator, \$43,000
2002-06	Geomorphic Assessment of Channel Changes Along A Modified Floodplain: Pascagoula River Basin, Mississippi, U.S. Department of the Interior, 2002-2006, J. Mossa, Principal Investigator, \$161,674.
2002-2005	Interagency Agreement to Provide Technical Support to Water Use Data Management and Cartography, St. Johns River Water Management District, 2002-2005, J. Mossa, Principal Investigator, \$135,000
2001-02	Interagency Agreement to Provide Technical Support to Water Use Data Management and Cartography, St. Johns River Water Management District, 2002-2003, J. Mossa, Principal Investigator, \$60,000

2000-01	Interagency Agreement for Collection, Verification and Mapping the Public Water Supply Inventory, St. Johns River Water Management District, J. Mossa, Principal Investigator, \$75,000.
2000-01	Interagency Agreement for Determination, Design and Collection of Golf Course Water Use Data and Data Collection Assistance, St. Johns River Water Management District, J. Mossa, Principal Investigator, \$35,000.
1999-2000	Dean John A. Knauss Marine Policy Fellowship, U.S. Department of Commerce, J. Mossa Principal Investigator (funding for graduate student Jennifer Rahn), \$36,000.
1999-2000	Interagency Agreement for Review and Verification of Water Use Data, St. Johns River Water Management District, J. Mossa, Principal Investigator, \$25,000
1998-99	Geomorphic Evaluation of Historic and Modern Cross-sectional Dynamics of the Kissimmee River, Florida, Center for Environmental Studies/FAU-South Florida Water Management District, J. Mossa, Principal Investigator, \$32,320
1998-2000	Digital georeferenced hydrologic coverage for the state of Alabama and the Mobile basin drainage in Georgia, Mississippi, and Tennessee, U.S. Geological Survey-Biological Resources Division, J. Mossa, Principal Investigator, \$2500
1998-99	Spatial and Relational Database Services for Water Needs and Supply, St. Johns River Water Management District, J. Mossa, Principal Investigator, \$24,000
1997-98	Continued Research of High Water Tables in Dade County, Florida, Institute for Food and Agricultural Sciences, W. Graham and J. Mossa, Co-Principal Investigators, \$15,800 (Geography portion, \$12,800).
1997-98	GIS Services for Water Supply Needs and Assessment, St. Johns River Water Management District, J. Mossa, Principal Investigator, \$23,925
1996-98	A GIS and Land Use Analysis of Freshwater Mussel Distribution Patterns and Population Trends in the Apalachicola River Drainage, National Biological Service Species at Risk Program, J. Mossa and J. Williams, Co-Principal Investigators, \$31,250 (\$5500 match).

- 1996-97 Hydrologic Sciences Working Group Proposal Regarding High Water Tables in Dade County, Florida, Institute for Food and Agricultural Sciences, L. Motz, W. Graham, K. Campbell, J. Mossa, and B. Wise, Co-Principal Investigators, \$62,400 (Geography portion, \$18,000).
- 1993-96 Geomorphic Changes of Rivers in the Florida Panhandle, Florida Department of Transportation Research Center, J. Mossa, Principal Investigator, \$78,481.
- 1993-94 Field Mapping and Sediment Analysis Investigations in Fluvial and Coastal Environments, UF Division of Sponsored Research and College Liberal Arts and Sciences, J. Mossa, Principal Investigator, \$18,290 (\$9,145 match).
- 1993-94 Flood Processes and Valley Morphology of Three Meandering-Anastomosing Rivers, Central Gulf Coastal Plain, Association of American Geographers Research Grant, J. Mossa, Principal Investigator, \$350.
- 1992-93 Suspended Sediment Fluxes of Large Rivers Entering the Northern Gulf of Mexico, U.S. Army Engineer Waterways Experiment Station, J. Mossa, Principal Investigator, \$14,690.
- 1991-92 Fluxes and Mechanisms of Particulate and Dissolved Material Transport in Large Rivers Entering the Northern Gulf of Mexico, University of Florida Division of Sponsored Research, J. Mossa, Principal Investigator, \$15,580.
- 1991 Storage and Transport of Mining Sediment in Streams in the Vicinity of Carajás, Pará, Brazil, Tinker Foundation and University of Florida Center for Latin American Studies, J. Mossa, Principal Investigator, \$1500.
- 1991 Hydrologic, Geomorphologic, and Sedimentologic Investigations of Fluvial and Coastal Environments, University of Florida Division of Sponsored Research, J. Mossa, Principal Investigator, \$5659 (\$800 match).
- 1991 Empirical and Temporal Relationships Between Discharge, Suspended Sediment, and Dissolved Material Transport in the Lower Mississippi River, J. Mossa, University of Florida Division of Sponsored Research, Principal Investigator, \$5400.
- 1990 Geomorphic, Hydrologic, and Sedimentologic Investigations of Fluvial and Coastal Environments, University of Florida Division of Sponsored Research, J. Mossa, Principal Investigator, \$1700 (\$700 match).

- 1988-91 Application of Remote Sensing and Image-Processing towards Sediment Transport and Land Loss Processes, Coastal Louisiana, NASA, Co-Principal Investigators: H.H. Roberts, J. Mossa, R. Miller, L. Rouse, O. Huh, and S.A. Hsu, \$453,000.
- 1988-89 Louisiana Coastal Geology Program, Louisiana Department of Natural Resources, J. Mossa, Principal Investigator, \$62,500.
- 1987-88 Louisiana Coastal Geology Program, Louisiana Department of Natural Resources, J. Mossa, Principal Investigator, \$65,000.
- 1986-87 Louisiana Coastal Geology Program, Louisiana Department of Natural Resources, J. Mossa, Principal Investigator, \$170,000.
- 1986-87 Analysis of the Environmental Effects of Dredging Sand Resources from the Louisiana Continental Shelf, U.S. MMS, Co-PIs: J. Mossa and T.F. Moslow, \$27,250.
- 1985-86 Analysis of the Environmental Effects of Dredging Sand Resources from the Louisiana Continental Shelf, U.S. MMS, Co-PIs: J. Mossa and T.F. Moslow, \$18,018.
- 1985-86 Louisiana Coastal Geology Program, Louisiana Department of Natural Resources, Co-Principal Investigators: J. Mossa and T.F. Moslow, \$170,000.

GRANTS, CONTRACTS, AND RESEARCH AWARDS (as Co-Investigator)

- 2013-2014 Designing a Framework for Integrative Research on Dams in the Amazon, 2013 Research Opportunity Seed Fund, University of Florida, Marianne Schmink, Principal Investigator, (J. Mossa co-Investigator), \$83,000
- 2013 Artificial Reefs for Oysters and Coastal Restoration, Lone Cabbage Reef, near Cedar Key, Florida. National Fish and Wildlife Foundation, \$53,587. With Jennifer Seavey, Peter Fredrick and Bill Pine
- 2004-09 IGERT Program in Adaptive Management: Wise Use of Water, Wetlands, and Watersheds, National Science Foundation, M.T. Brown and S.Russo, co-PIs (I am one of several other co-investigators), 2004-2009, \$3,294,120
- 1994-96 Evaluating Sustainability: A Multi-Media Distance Learning Program, U.S. Department of Agriculture, Extension Service, Micki Swisher, P.I. and other UF Co-Investigators, \$112,549.

- 1988-90 A Study of Wetlands Mitigation: Marsh Management, Minerals Management Service to Louisiana Department of Natural Resources, w/numerous other LGS/LSU Co-Investigators, \$600,000.
- 1988-90 Indefinite Quantity Option Contract, U.S. Army Corps of Engineers, New Orleans District, geomorphologist for cultural resource assessments, w/LSU Museum of Geoscience associates, \$349,000.
- 1986-88 Exploration for Aggregates in Louisiana, Louisiana Transportation Research Center through Division of Engineering Research, LSU, w/other Louisiana Geological Survey Co-Investigators: Autin, Mossa, and Holmes, \$169,483.

PROFESSIONAL FIELD TRIP LEADERSHIP

- 2014 Seahorse Key and the Cross-Florida Barge Canal (trip contributor), Association of American Geographers, 2014 Annual Meeting, Tampa, FL.
- 2002 Hogtown Creek Floodplain and Flooding Problems (trip coordinator), Florida Society of Geographers, 2002 Annual Meeting, Gainesville, FL.
- 1995 Sand and Gravel Mining in the Amite River Flood Plain, Louisiana (trip leader), Geological Society of America 1995 Annual Meeting, New Orleans, LA.
- 1993 Hydrodynamics and Suspended Sediment Transport of the Lower Red River (stop leader), Friends of the Pleistocene Field Conference, South-Central Cell, Quaternary Geology and Geoarchaeology of the Lower Red River Valley, Alexandria, LA.
- 1993 Physical and Historical Geography of the Paynes Prairie Solution Basin, Florida (trip coordinator and guidebook editor), Florida Society of Geographers, Gainesville, FL.
- 1991 Geomorphology and Geology of Devil's Millhopper sinkhole, Florida (trip leader), University of Florida Chapter of Gamma Theta Upsilon.
- 1988 Geomorphology and Stratigraphy of the Florida Parishes, southeastern Louisiana (trip leader), Louisiana State University, Geography-Anthropology Society.
- 1986 Quaternary Geomorphology and Stratigraphy of the Florida Parishes, SE Louisiana (trip coordinator and co-leader, guidebook editor), Friends of the Pleistocene, South-Central Cell.

1985 Quaternary Geomorphology and Stratigraphy of the Florida Parishes, southeastern Louisiana (trip co-coordinator and co-leader), Baton Rouge Geological Society.

COURSES TAUGHT

Graduate Courses & Seminars

Geomorphology, GLY 5720
Colloquium, GEO 5920
Field Course in Geography, GEO 5945
Proposal Writing in Geography, GEO 6119
Fluvial Morphology and Processes, GEO 6282
Floods Seminar, GEO 6348
Seminar on Land and Water Utilization, GEO 6356
Droughts Seminar, GEO 6938

Undergraduate Courses

Environmental Science, GEO 1331 (taught at FSU London Study Centre)
Physical Geography, GEO 2200
Physical Landscapes, GEO 2201
The Face of Florida, GEA 3271
Extreme Floods, GEO 3341
Human Footprint on the Earth, GEO 3352
Extreme Droughts and Water Wars, GEO 3930/GEO3343
Advanced Physical Geography, GEO 4201
Fluvial Morphology and Processes, GEO 4281/GLY4571
Coastal Morphology and Processes, GEO 4221/GLY 4734
Senior Seminar, GEO 4930
Dynamic Earth, GLY 1000 (taught at FSU London Study Centre)

Instructor evaluations in Florida are public and can be viewed through the following link:

<https://evaluations.ufl.edu/results/instructor.aspx?ik=831435256>

Evaluations are higher than the department/college average, typically between 4.5 & 5.0 (max=5)

TEXTBOOK REVIEWS

Addison Wesley Longman: physical geography textbook: 1996
Brown and Benchmark: physical geography textbook: 1996
Cambridge University Press: fluvial textbook proposal: 1997
Harcourt Brace and Co./Saunders Publishing: textbook proposal: 1995
Holt, Rinehart, and Winston: middle school earth science book: 1998, 1999, 2000

John Wiley and Sons: physical geography textbooks: 1991, 1999
McGraw Hill: physical geography textbook: 2006
Mosby Year Book: physical geography textbook: 1991, 1992
Prentice-Hall: physical geography textbooks: 1991, 1994, 1997; coastal geography textbook: 1997
Routledge, fluvial morphology textbook revision, 2011
Rutgers University Press: coastal book proposal: 1998
Taylor and Francis: river morphology book proposal: 2016

CONSULTING (SOME PRO BONO)

Thompson, Garrett & Hines, L.L.P., Brewton, Alabama, 2019-present
Re: Legal work regarding navigability of Alabama rivers

Department of Land and Water Resources, Northern Territories Government, Australia, 2016
Re: Disturbed portions of the Finke River waterholes, including Running Waters

AMEC Foster Wheeler/BCI, 2008-2014
Intermittent consulting regarding geomorphology of small rivers, Florida peninsula

Southwest Florida Water Management District, 2012
Peer review consultant regarding river restoration work of AMEC/BCI

Coalition of landowners near Rock Bluff Springs, Suwannee River, 2002
Re: floodplain land clearance and impacts to river

Dupont, 2001, re: heavy mineral resources in coastal Brazil

Hammonds and Sills, Attorneys-at-law, Baton Rouge, LA, 1995
re: consulting expert work regarding bank erosion on the lower Amite River

FAVACA, Florida Association for Volunteer Action in the Caribbean and the Americas, 1994
re: coral reef sedimentation in the Dominican Republic

GeoHazards, Geologic Consultants, Gainesville, FL, 1994
re: water resources advice

Louisiana Geological Survey, LSU, Baton Rouge, LA, 1991-92
re: geoarcheology/cultural resource investigations, New Orleans District, Corps of Engineers

Museum of Geoscience, LSU, Baton Rouge, LA, 1988-90

re: geoarcheology/cultural resource investigations, New Orleans District, Corps of Engineers

Espey, Huston and Associates, Inc., Environmental Consultants, Austin, TX, 1989
re: reservoir sedimentation

GeoForensics, Consultants in Forensic Geography, Baton Rouge, LA, 1982
re: soils geomorphology analysis, lower Mississippi River

HONOR SOCIETIES

Gamma Theta Upsilon, Geography, initiated 1979
Chapter co-founder and President (1979-80) @ Rutgers
Faculty Advisor, University of Florida Iota Phi chapter, 1999-2015

Phi Beta Kappa, initiated 1980
Chair, Nominations Committee, 1999
President, Beta of Florida, 1997-98
Chapter Delegate to Triennial Council Meeting in Chicago, 1997
Vice-President, Beta of Florida, 1996-97

Pi Mu Epsilon, Mathematics, initiated 1979

Phi Kappa Phi, initiated 1982

OUTSIDE Ph.D. REVIEWS

External reviewer, Geography Ph.D. dissertation, James Cook University, Australia, 2006-07

GRADUATE RESEARCH SUPERVISION AND ADVISING
(current chair 3 Ph.D, 7 M.S.; current member 10 Ph.D, 24 M.S., 44 total)

Ph.D. Chair or Co-Chair* (current, 3):

Ali Alruzuq	Ph.D.	Geography	2022	Fluvial geomorphology
Maram Alrehaili	Ph.D.	Geography	2022	Fluvial geomorphology and GIS
Amobi Amanambu	Ph.D.	Geography	2022	Fluvial geomorphology

Ph.D. Committee member (current, 7):

Mary Megan Black	Ph.D.	Geology	2023	Water and weathering
Amanda Brock	Ph.D.	Anthropology	2022	Paleofloods and archaeology
Ningxin Dong	Ph.D.	Political Science	2022	Non-profits and disasters
Love Kumar	Ph.D.	Soil/Water Sciences	2024	River water quality
Megan LeBlanc	Ph.D.	Anthropology	2022	Paleofloods and archaeology
Guoqian Yan	Ph.D.	Geography	2021	Climatology and hurricanes
Joshua Vine	Ph.D.	Wildlife Ecol./Cons	2021	Sturgeon in large rivers

M.S. Committee Member (current, 3):

Sarah VanSchoick	M.S.	Geography	2022	Hurricanes and Flooding
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Ph.D. Committee chair or co-chair* (past service, 10):

M. Almullah	Ph.D.	Geography	2018	Fluvial geomorphology
Michael Breedlove	Ph.D.	Geography	1998	Coastal geomorphology
John Kiefer*	Ph.D.	Env. Eng. Sci.	2010	Fluvial geomorphology
Heidi Lannon	Ph.D.	Geography	2004	Coastal geomorphology
Darina Palacio*	Ph.D.	Env. Eng. Sci.	2013	Restoration and stream quality
Jennifer Rahn	Ph.D.	Geography	2001	Coastal geomorphology
Jim Rasmussen	Ph.D.	Geography	2010	Fluvial geomorphology
Russell Watkins*	Ph.D.	Geography	1994	Viticultural geography
Chia-Yu Wu	Ph.D.	Geography	2019	Fluvial geomorphology
Keith Yearwood	Ph.D.	Geography	2010	Fluvial geomorphology

Masters Committee chair or co-chair* (past service, 24)

Mary Megan Black	M.S.	Geography	2019	Fluvial geomorphology
Kristin Blanton*	M.S.	Envt. Eng. Sci.	2008	Fluvial geomorphology
David Fann	M.S.	Geography	1996	Fluvial geomorphology
Adam Grodek	M.S.	Geography	1998	Fluvial geomorphology
Ursula Garfield	M.S.	Geography	2008	Fluvial geomorphology
April Hendrix Davis	M.S.	Geography	2009	Fluvial geomorphology & GIS
Glenn Hermansen	M.S.	Geography	2009	Fluvial geomorphology
Andrew Horan	M.S.	Geography	2011	Bank erosion, Fluvial geomorphology

Jeanette Howard	M.S.	Geography	1998	Mussels, land use, geomorphology
David Howell	M.S.	Geography	1999	Floodplain geomorphology & soils
Paul Hudson	M.S.	Geography	1993	Fluvial sediment transport
Michala Jones	M.S.	Geography	2012	Fluvial geomorphology
Jennifer Konwinski	M.S.	Geography	1995	Scour and floods
Jeffrey Lower	M.S.	Geography	1996	Fluvial morphology
Stephen Marks	M.S.	Geography	2010	Fluvial geomorphology
Mark McLean	M.S.	Geography	1995	Floodplain mining and GIS
A. Mitchell-Tapping	M.S.	Geography	1998	Fluvial geomorphology
Richard Naus	M.S.	Geography	1994	Anastomosing rivers
John Newman	M.S.	Geography	2020	Fluvial geomorphology/GIS
Marilyn Ogbugwo	M.S.	Geology	2005	Fluvial geomorphology
Jeremy Reynolds	M.S.	Geography	2019	Fluvial geomorphology/GIS
Lisa Ann Walsh	M.S.	Geography	2011	Fluvial geomorphology
Mary Beth Wilder	M.S.	Geography	1998	Fluvial geomorphology
Doug Willets	M.S.	Geography	2000	Fluvial geomorphology

CHAired OR CO-CHAired GRADUATE STUDENT PLACEMENTS/POSITIONS, PH.D

Almullah	Assistant Professor, Geology, Kuwait University
Breedlove	Currently Geographer, USGS-SBSC, Flagstaff, AZ formerly Assistant Professor, Georgia Southern Univ., Statesboro, GA formerly GIS Supervisor, Met. & Emt. Agency, Jeddah, Saudi Arabia
Lannon	Currently Associate Professor, Santa Fe College, Gainesville, FL Currently Adjunct Professor, UF Department of Geography Currently Visiting Professor, Kings College, London Strategic Planner, Gainesville Regional Utilities
Kiefer*	Currently Prin. Engineer-Water, Wood, Lakeland, FL Several other leadership positions in consulting
Castillo/Palacio*	Currently Site Manager, Dept. of Energy Office Legacy Mgmt., Denver, CO https://www.essie.ufl.edu/history-in-the-making-darina-castillo/ Story features our interactions
Rahn:	Associate Professor, Samford University, Birmingham, AL formerly Assistant Professor, Dept. of Geosciences, Baylor Univ., Waco, TX
Rasmussen:	Associate Professor, Aquinas College, Michigan

	Formerly Assistant Professor, Kutztown University, Kutztown, PA
Watkins*	Owner, Threshold Spatial Sciences Most recently Shimberg Center for Housing Studies, UF Several other prior positions, including University, agency, and consulting
Wu	Lecturer in GIS, Geology, University of Dayton, Ohio Formerly Post-doctoral scholar, Tulane University
Yearwood:	Senior Lecturer, University of Maryland Formerly Senior Lecturer, Georgia State University

CHAired OR CO-CHAired(*) GRADUATE STUDENT PLACEMENTS/POSITIONS, MASTERS

Black:	Ph.D. student and Water Institute Graduate Fellow Department of Geology, UF, Gainesville, FL
Blanton:	Stream Restoration Specialist, AMEC/BCI Scientists, Lakeland, FL
Fann:	Retired, Research Associate, Sea Grant formerly Instructor, Santa Fe Community College
Garfield (Nash):	GIS Analyst, ECT, Gainesville, FL Consultant for the U.S. Geological Survey, Gainesville, FL
Grodek:	Currently on-line instructor, various college programs Instructor, University of Buffalo, NY Formerly elementary school teacher, Cleveland, TN Completed second Masters Water Resources, Univ. of Wisconsin-Madison
Hendrix-Davis:	Currently SAHM GIS Analyst III, Southwest FL Water Mgmt. District, Brooksville, FL
Hermansen:	Formerly Ph.D. student, Southern Illinois University, Carbondale, IL
Horan	Environmental Specialist, EPA, Washington, DC Coastal restoration specialist, Philippines, U.S. Peace Corps
Howell:	Retired, Soil Scientist, Natural Resources Conservation Service

Hudson: Currently Senior Lecturer, University of Leiden, Netherlands
Formerly Associate and Assistant Professor, University of Texas-Austin
Completed Ph.D, Louisiana State University

Howard: currently Lead Scientist, Water, Nature Conservancy, California
Formerly Associate Director, Water, Nature Conservancy, California
Completed Ph.D, University of California-Berkeley formerly Researcher,
National Geographic Research Division

Jones (Hill): Currently GIS Analyst, Leidos, Orlando, FL
Formerly GIS Analyst, SAIC, Orlando, FL

Konwinski: Currently GIS Analyst, Olympia, WA
Formerly Teacher, Biology/Env't. Science, Broward Co. School Board
SFWMD, GIS Analyst, Permitting
Instructor, University of North Carolina-Asheville &
Asheville Community College, Asheville, NC
Formerly GIS Analyst, Asheville Sewerage Board
formerly GIS Analyst II & III, St. Johns River Water Management District

Lower: Executive Vice President, IIC Technologies Inc., Huntsville AL
Vice President, Magnolia, Huntsville AL
Vice President, Northrup-Grumman, Slidell LA & Huntsville AL
formerly Operations Manager, 3001, Gainesville, FL

Marks: Cloud Migration Specialist, National Security Team, Amazon Web Services
Senior Geospatial Solutions Architect, Pixia Corp, Reston, VA
Director, Business Development, Skyline Software
Geospatial Engineer, General Dynamics, McLean, VA

McLean: Anchor Point Group Fire Management/Wildfire Consultant, Boulder, CO
Completed Ph.D., Geography, University of Colorado-Boulder
formerly Computer Specialist, Department of Geography-UF

Mitchell-Tapping: Aggregates Manager, CEMEX, Davenport, FL
Completed Ph.D., Florida State University, Dept. of Geological Sciences
Geologist, DuPont and deMours, Starke, FL
M.S. student, University of Florida, Dept. of Geological Sciences
Intern, St. Johns River Water Management District

Naus: GIS Analyst, Booz-Hamilton, Atlanta, GA

Formerly GIS Analyst, Titan Systems, Norfolk
 Formerly Geographer, U.S. Bureau of the Census, Washington D.C.
 Formerly consultant, Greenhorne & O'Mara, Washington D.C.

Newman: Officer (commissioned as 2nd Lieutenant), U.S. Marine Corps

Ogbugwo: Environmental Consultant, MACTEC, Gainesville, FL
 Reynolds: GIS Analyst, Jones Edmonds and Associates, Gainesville, FL

Walsh: Senior Planner, Marion County, Ocala, FL

Wilder: Currently School Board member in Huntsville, AL
 formerly Water Supply Manager, St. Johns River Water Mgmt. District
 formerly Resource Planner III, St. Johns River Water Management District
 formerly Hydrologist I, St. Johns River Water Management District

Willets GIS Analyst, Integrated Training Area Management Program,
 Western Regional Support Center, CEMML, Colorado State University
 Formerly GIS Analyst, Collier County, Florida

GRADUATE COMMITTEE MEMBER (past service 32 Ph.D, 26 M.S.)

Paul Box	Ph.D. Geography	1997	Coastal resource management
Jayne Brim Box	Ph.D. Forestry	1999	Freshwater mussels and sediments
Fernando Cabrera	Ph.D. Soil & Water Sci.	1993	Soils geomorphology
Carlos Cañas	Ph.D. Geography	2013	Amazon fisheries
Yi-Hsuen Chen	Ph.D. Geography	2015	Coastal hazards & GIS
Darrell Clare	Ph.D. Geography	1996	Agricultural geography
Cathy Venz Curtis	Ph.D. Geology	2005	Paleoceanography
Can Denizman	Ph.D. Geology	1998	Karst geomorphology
Johanna Engstrom	Ph.D. Geography	2017	Hydrology
Cary Farley	Ph.D. Geography	1996	Soil resource management
Michael Harrison	Ph.D. Geography	1998	Climatology
Richard Hisert	Ph.D. Geology	1994	Tracer hydrogeology
Chris Jette	Ph.D. Coastal Eng.	1997	Ripple migration
Sharon Kanfoush	Ph.D. Geology	2002	Paleoceanography
Rene Ledesma	Ph.D. Geography	1996	Reservoir sedimentation
Tae Hwan Lee	Ph.D. Coastal Eng.	1994	Sediment transport under waves
George Leur	Ph.D. Anthropology	2007	Coastal archaeology
Jamie MacMahan	Ph.D. Coastal Eng.	2003	Coastal sediment transport
Stephen Martin	Ph.D. Geography	1999	Environmental hazards

Richard MacKenzie	Ph.D.	Geological Sciences	2012	Coastal processes
Christopher Meindl	Ph.D.	Geography	1996	Environmental perception
Jonathan Miller	Ph.D.	Coastal Eng.	2004	Beach profiles and coastal change
Suzanne Moellendorf	Ph.D.	Envt. Eng. Sci.	2009	Riverine ecology
Noah Mueller	Ph.D.	Geography	2016	Cultural Resources and sea level rise
Asa Randall	Ph.D.	Anthropology	2010	Geoarcheology
Tilak Shrestha	Ph.D.	Geography	1999	Remote sensing
Robert Swett	Ph.D.	Geography	1999	Hydrology
Eric Thosteson	Ph.D.	Coastal Eng.	1997	Sediment transport under waves
William White	Ph.D.	Envt. Eng. Sci.	2014	Riverine ecology
Ryan Williams	Ph.D.	Anthropology	1997	Fluvial archaeology
Yao Zhou	Ph.D.	Geography	2017	Climatology
Matthew Zorn	Ph.D.	Geography	1997	Statistical hydrology
Gordon Abbott	M.S.	Geography	1992	ENSO and tropical cyclones
Sally Adkins	M.S.	Geography	2004	ENSO and hydrology
Paul Box	M.S.	Geography	1991	Remote sensing in tropics
Gil Bulter	M.S.	Geology	1995	Carbonate sedimentology
Matt Burgess	M.S.	Interdiscip. Ecology	2007	Fluvial ecology
Towns Burgess	M.S.	Fisheries and Aq. Sci.	2007	Floodplain fisheries
Erica Carr-Betts	M.S.	Coastal Eng.	2003	Inlets
Carlos Canas	M.S.	Geography	2007	Amazon fisheries
John Catches	M.S.	Geology	1997	Karst hydrogeology
Michael Dodrill	M.S.	Fisheries & Aq. Sci.	2012	Stream ecology
Cory Henderson	M.S.	Geology	1997	Hydrogeology
Dave Heuberger	M.S.	Soil & Water Sci.	1995	Soils geomorphology
Melissa Jacobs	M.S.	Geography	1993	Hurricanes and NAO
Sanghoon Kim	M.S.	Geography	2017	Climatology
Branden Kramer	M.S.	Geology	2008	Glaciomarine sedimentology
George Leur	M.S.	Anthropology	1997	Coastal archaeology
Katherine Malone	M.S.	Geological Sciences	2011	Coastal geomorphology
Cody McNeely	M.S.	Interdiscip. Ecology	2007	Fluvial ecology
Melissa Moreno	M.S.	Interdiscip. Ecology	2021	Coastal data and erosion
Avo Omayan	M.S.	Soil & Water Sci.	1998	Soils hydrology
David Padgett	M.S.	Geography	1992	Hydrogeology risk assessment
Darina Palacio	M.S.	Envt. Eng. Sci.	2010	Fluvial hydrology
Robert Patton	M.S.	Anthropology	1994	Coastal archaeology
Marvin Quesada	M.S.	Geography	1992	ENSO and precipitation
Christopher Robinson	M.S.	Civil Eng.	1999	Cadastral mapping
Andrea Smith	M.S.	Coastal Eng.	2004	Inlets/cohesive sediments
Samantha Timmers	M.S.	Geography	2022	Compound Flooding

HONORS UNDERGRADUATE ADVISING (9 advisor, 10 2nd reader)

Alexis Vreeland	B.S.	Geography	2017	Flooding/GIS
Mary Megan Black	B.S.	Geography	2016	Fluvial geomorphology/GIS
Erik Finlay	B.A.	Geography	2009	Fluvial geomorphology
Heather Goldman	B.S.	IDS, Earth Sciences	1995	Karst geomorphology
Tracy Parr	B.A.	Geography	1992	Hazards perception
Jason Saldarraiga	B.A.	Geography	2010	Fluvial geomorphology
Todd Sivills	B.A.	Geography	1997	Fluvial geomorphology
Marie Swift	B.A.	Geography	2010	GIS/Fluvial geomorphology
Lisa-Ann Walsh	B.A.	Geography	1997	Fluvial geomorphology
Lisa Saetonne	B.A.	Geography (2nd)	2017	Geographic education/GIS
Joel Wolfson	B.A.	Geography (2nd)	2016	Remote sensing/phosphate mines
Amber Lee Todoroff	B.A.	Geography (2nd)	2014	Remote sensing/periglacial fires
Nicole Moetzer	B.A.	Geography (2nd)	2011	Climate and inequality
Paul Clement	B.A.	Geography (2nd)	2006	Hurricanes and flooding
Brooke Pickard	B.A.	Geography (2nd)	2002	Economic geography
Laura Quintana	B.A.	Geography (2nd)	2011	Florida planning
Lisa Saetonne	B.A.	Geography (2nd)	2017	Latin American geography education
Sarah Von Schiock	B.A.	Geography (2nd)	2020	Tropical cyclone precipitation
Katie Townsend	B.A.	Geography (2nd)	2000	Remote sensing/biogeography

DEPARTMENTAL SERVICE

Curricula, Advising, and Administration

Acting Chair, intermittently (about 1-7 weeks annually since the early 1990s)
 Undergraduate Coordinator, 1999-2017 (except for CY 2000)
 Curriculum Committee, Chair, 1999-2017; Member 1990-1998
 Undergraduate Student Learning Outcomes Committee, Chair, 2012-2017
 Graduate Committee, 1994-95

Search Committees

Climate/Meteorology AI, 2021 Diversity Rep
 Environmental Change/Climate change/Sustainability, 2019, Chair
 Geospatial Lecturer, 2017
 Atmospheric Scientist, 2017
 Medical Geographer, 2008, 2013 and 2014
 Department Chair, 1994, 2004 and 2011
 Climatologist, 2005 and 2008
 Land Use/Remote Sensing Faculty, 2001

Cartography Faculty, 1999
Assistant in Geography/Computer Cartographer, 1998
Environmental Systems Analyst Faculty, 1996
Staff Cartographer, 1994
Physical Geography Faculty, 1991

Other Committees

Virtual Graduation Committee, 2020
UFO Committee, 2015 to present
Alumni Committee, Chair, 2016 to present
Diversity, Equity, Inclusion Chair, 2019 to present
Awards Committee Member, 2019 to present
Geography Diversity Equity Inclusion Committee, Chair, 2016 to present
John R. and Fawn T. Dunkle Award Committee, Chair, 2002-2016
Graduate Student Awards Committee Member, 2012-2016, 2020-present
David Niddrie Fellowship Committee, Chair, 2002-present
Ryan Poehling Fellowship Committee, 2002-2003
Diversity Representative to College, 2015-present
Strategic Planning Committee, 1999
Social Media Committee, 2016- (informally beforehand)
Peer Teaching Evaluations, intermittently
Faculty Evaluation or Merit Awards Committee, intermittently (several times)
Sustained Performed Evaluation Committee (several times)
New Serials Subscriptions Committee, intermittently
Geography Colloquium Organizer, 1995-98
Department Teaching Improvement Award Committee, 1995
Geography Student Organization, Faculty Advisor, 1995-1999, 2003-present
Gamma Theta Upsilon, Faculty Advisor, 1995-1999, 2003-present
Co-Coordinator, Campus Group of Association of Women Geoscientists, 1996-1999

COLLEGE SERVICE

CLAS: COLLEGE OF LIBERAL ARTS AND SCIENCES

Diversity and Inclusion Committee, 2016 to 2021
By-Laws Committee, 2021-2022
Teacher/Advisor of the Year Selection Committee, 2013, 2016
Sabbaticals Committee, 2009-2010
FEO Committee, 2009-2010
Curriculum Committee, 2002-2004
Research Advisory Committee, 2003-2004
Advisory Board for Keene Faculty Center, 1998-2004

Associate Dean Search Committee, 2002
Ruth McQuown Scholarship Committee, 2002
Travel Committee, 1996-97, 1997-98
Women in Science Committee, 1996
Teaching Improvement Program Awards Selection Committee, 1996
Ad Hoc Committee, Natural Sciences Offerings for UF at Santa Fe, 1996
Environmental and Ecological Sciences Committee, 1991-94
Library Committee, 1991-1993
Academic Advisor for First-Year Students, 1993, 1994, 1995

CNRE: COLLEGE OF NATURAL RESOURCES AND ENVIRONMENT

Faculty Affiliates Committee, 1993-95
Undergraduate Curriculum Committee, 1994-1999
Graduate Program Committee, 1995-1999

UNIVERSITY SERVICE (INCLUDING SERVICE FOR OTHER COLLEGES)

Advisor of the Year Selection Committee, 2013, 2014, 2015 (Chaired by Angel Kwolek-Folland)

Association for Academic Women, UF Chapter, 1990-present
Committee for Women Honors, 1997

Career Resources Center, Advisory Board Member, 2004-2006 (Chaired by Wayne Wallace)

Core-Year2, Chaired Chaired by Ata Sarenjani, 2016-2018

Core-Year2, Course Development Committee, 2016-2018

Core Task Force, Chaired by Angela Lindner, Vice Provost, 2016-present

College of Agriculture, Soil and Water Sciences Department
External Member, Teaching Improvement Program Committee, 1995

Faculty Advisor, Big Heart Gators, a club designed to increase organ donations,
especially amongst college and university students.

Graduation Marshall, numerous times (approximately every other year)

Hydrologic Sciences Academic Cluster, 1993-present
Chair, 2017-2018
Chair Elect, 2016-2017

Interdisciplinary Graduate Program, Involved in Curriculum Development

Innovation Academy

Internship Committee, 2014 (chaired by Jeff City)

Senior Project Committee, 2012-13 (chaired by Erik Sander)

Curriculum Committee, 2013-present (chaired by Jeff City and Assoc. Vice Provost)

Overseas Study Program, UF International Center, Summer Scholarship Committee, 2001

Phi Beta Kappa, initiated 1980

Nominations Committee Chair, Beta Chapter of Florida, 1999-2000

President, Beta Chapter of Florida, 1997-98

Vice-President, Beta Chapter of Florida, 1996-97

Chapter Delegate to Triennial Council Meeting, 1997

Preview Advisor

Advised 150 incoming first-year students annually during summers, 2009-2013

Quest Task Force (Chaired by Tim Brophy)

Team with others to develop and revise rubrics for Quest 1 courses, 2019-present

Remote Sensing/GIS Task Force Activities

Faculty Advisory Committee (UF), 1991-1999

University Consortium for GIS Certification Committee, 1996

Science Teaching Standards Committee, 1996

Teacher of the Year Selection Committee, 2014 (Chaired by Angel Kwolek-Folland)

University Center for Excellence in Teaching, 1997

Table Leader/Facilitator

UF Quest Committee regarding Questions for year 2 of the Quest program

Member, for Associate Vice-Provost, Chaired by Assoc. Dean Ata Sarajedini

UF Quest Committee to develop Student Learning Outcomes for year 2 of the Quest program
co-Chaired by faculty in three colleges

University Minority Mentor Program, 2006-2007

University Senate, 1994-97 (2 terms)

PROFESSIONAL AFFILIATIONS INCLUDING LEADERSHIP

American Geophysical Union, 1989-present

American Quaternary Association, 1986-2002

American Water Resources Association

Louisiana chapter, Membership chair & board of directors, 1985-86

Technical Program Committee, 1991 National Mtg. on Management of Large River Systems

Florida chapter, 1992-present

Association of American Geographers, 1982-present

Board of Directors, Geomorphology Specialty Group, 2000-2003

Chair, Geomorphology Specialty Group, 1999-2000

Secretary-Treasurer, Geomorphology Specialty Group, 1998-99

Chair, Coastal and Marine Geography Specialty Group, 1995-97

Vice-Chair, Coastal and Marine Geography Specialty Group, 1993-95

Board of Directors, Coastal and Marine Geography Specialty Group, 1991-93

Session Organizer, 1996, 1997 meetings

Session Chair, 1994, 1995, 1996, 1997, 1999 meetings

Field Trip co-leader to Cross-Florida Barge Canal & Seahorse Key 2014 annual meeting

Baton Rouge Geological Society, 1986-90

British Geomorphological Research Group, 1985-present

Commission on the Coastal Environment, International Geographical Union, 1989-present

Florida Association of Environmental Soil Scientists, 1994-present

Florida Society of Geographers

President and Conference Organizer, 2019-2020

President and Conference Organizer, 2001-2002

Vice President, 2000-2001

Trip Coordinator and Guidebook Editor, 1993 Annual Meeting

Executive Board of Directors, 1992-94, 2015-present

Officers Nominating Committee, 1991

Social Media Co-administrator, 2017-present

Friends of the Pleistocene: South-Central Cell, 1985-present

Field trip stop leader, 1993

Field trip co-leader, 1986

Geological Society of America, 1986-2000

Field trip leader, 1995

Gulf of Mexico Program, Environmental Protection Agency

Coastal and Shoreline Erosion Subcommittee, 1990-present

Louisiana Association of Floodplain Managers

Conference Session Chair, 1987-88

Riverine Issues Committee Chair, 1985-89

SEDAAG (Southeastern Division, Assoc. of American Geographers), 1992-present

Past President, 2019-2021

President, 2017-2019 (elected by geographers from 10 states)

Geography Bowl, Florida Team Coordinator of Co-coordinator, 1993-2008

Honors Committee, 1997

State Representative (Florida), 1993-95

Technical Program Committee, 1993, 1998, 2001

Tellers Committee, Chair, 1998

Nominations Committee, Member, 1999, 2012

Soil Survey Cooperative Program and Planning Conference for Louisiana, 1985-90

Certificate of Appreciation, Soil Survey of Louisiana, 1991

Soil Scientist Technical Workshop, Lecturer, 1985

SEGS (Southeastern Geological Society), 1996-present

EDITORIAL BOARDS AND MAJOR JOURNAL EDITING ASSIGNMENTS

Physical Geography, 2010-present,

Associate Editor, 2014-present

Guest Co-Editor (2013, with L. Allan James), Special Issue on *Changing Fluvial Systems*

Guest Co-Editor (2011, with Franklin Heitmuller), Special Issue on *Physical Geography of Rivers in the Southeastern and South-central United States*

Southeastern Geographer, 1999-2006, 2019-present

Zeitschrift fur Geomorphologie, 2002, Guest Co-Editor

Special Issue on Geomorphology of South and Central American Rivers

Journal of Geography, 1998-2001

OTHER PROFESSIONAL SERVICE

Proposal Review Panelist

National Science Foundation, Geography and Regional Science Programs, 1998-2000

Other Proposal Reviews

National Geographic Society, 2002

National Environmental Research Council

Joint Infrastructure Funding, 1999

National Science Foundation

Geology and Paleontology Program, 1996, 2003

Geography and Regional Science Programs, 1993, 1995, 1997

Doctoral Dissertation Improvement Grants, 1990, 1991, 1993

Research Council of Canada

Social Sciences and Humanities Division, 1996

Oak Ridge Institute for Science and Education

Energy and Environmental Technology Applications Program, 1997

U.S. Department of Agriculture, 2001

Refereed Journal Article Reviews

Annals of the Association of American Geographers, 1999

Applied Geography, 2011, 2014

Catena, 2010, 2012, 2014

Earth Surface Processes and Landforms, 1997, 2013, 2020, 2021, 2022

Ecological Applications, 1998

Engineering Geology, 1997

Environmental Management, 2003

Florida Anthropologist, 1995, 1997, 1998

Florida Geographer, 1991

GeoJournal, 1996

Geological Society of America Bulletin, 1999

Geomorphology, >10 reviews

Hydrobiologia, 2004

Journal of the American Water Resources Association, 2014

Journal of Coastal Research, 2009

Journal of Geography in Higher Education, 1995

Journal of Geography, 1997, 1999, 2017

Physical Geography, >10 reviews

PLOS One, 2014

Professional Geographer, 2002

River Research and Applications, 2019

Soil and Crop Science Society of Florida Proceedings, 1998

Southeastern Geographer, 2004, 2005, 2021, 2022
Southeastern Geology, 1988
WIREs Water, 2022
Zeitschrift für Geomorphologie, 2004

EXTERNAL REVIEWS OF FACULTY FOR TENURE AND PROMOTION TO FULL OR ASSOCIATE

United Arab Emirates University, UAE, 2021
Kennesaw State University, 2021
East Tennessee State University, 2020
University of South Carolina, 2020
University of West Florida, 2020
University of Denver, 2020
Louisiana State University, 2019
University of North Carolina-Greensboro, 2019
Virginia Tech University, 2019
Kansas State University, 2018
University of Texas-Austin, 2018
Florida Atlantic University, 2018
Texas State University, 2018
University of Tennessee, 2017
Kansas State University, 2014
University of Alabama, 2006
Florida Atlantic University, 1999

OTHER PROFESSIONAL SERVICE

Facilitation and Professional Service

Adaptive Management Scientific Advisory group organized jointly by the U.S. Army Corps of Engineers-Mobile District and the U.S. Fish and Wildlife Agency focused on the Apalachicola-Chattahoochee-Flint (ACF) basin.

Co-Facilitator at GFDA, Geography Faculty Development Alliance, to prepare young and future academics in teaching, research and advising, Knoxville, TN, June 18-24, 2017

Speaker at Geography Leaders Workshop, to prepare beginning and future chairs with problem solving of various types, spoke on student learning outcomes and accreditation, Knoxville, TN, June 22, 2017

National Planning Agency of the Dominican Republic Through the Florida Association of Voluntary Agencies for Caribbean Action, Sept 26-Oct 9, 1994, Technical assistance in coastal morphology and processes

Hydrologic Sciences Task Force, Water Management Issues in the C-111 basin, Dade County, FL, 1995

External Evaluation Team

NSF Geopaths Grant between Santa Fe and UF, Geoscience Engagement and Outreach. Record, compile and maintain confidentiality in interviews with students to gain feedback, Attend meetings for input, Heidi Lannon, PI, 2016-present

FERC-Five-Year External Review Committee, Dept. Earth, Environmental & Atmospheric Sciences, Montclair State University, NJ, Site visit and co-authored report evaluating department, 2014

Refereed Book Chapter Reviews

Aggregates-A Global Perspective (P. Bobrowsky, ed.), 1995

Recent Developments in Fluvial Sedimentology, 1986

Recent Research in Coastal Louisiana, Louisiana Sea Grant College Program, 1998

Report and Miscellaneous Reviews

National Academy of Sciences, Water Science and Technology Board, 1995

National Geographic Research Division, Physical Landscapes Map and Text, 1996

Florida Statistical Abstracts, Peer Review, 1996

Teleconferences

National Research Council: Center for Mathematics, Science, and Engineering Education
Implications of Standards-Based Education for Introductory College Science Courses

INVITED TALKS/PAPERS

- 2020 Bishop Science Museum, Think and Drink Series, Sarasota, FL
- 2020 Retired Faculty of UF, Gainesville, FL
- 2018 Apalachicola River Information Exchange, St. Marks, FL
- 2017 Apalachicola River Information Exchange, St. Marks, FL
- 2014 NOVA Southeastern Law Conference, Ft. Lauderdale, FL
- 2013 Society Advancing Chicanos/Hispanics & Native Americans in Sciences, San Antonio, TX
- 2010 Florida Atlantic University, Boca Raton, FL
- 2004 University of South Florida-St. Petersburg
- 2004 University of Wisconsin, Madison, Geography, WI

2003 Georgia Southern University, Statesboro, GA
 2002 Rutgers University, New Brunswick, NJ
 2001 Pat Harrison Waterway District, Hattiesburg, MS
 2000 Pat Harrison Waterway District, Hattiesburg, MS
 2000 University of Texas-Austin, Austin, TX
 2000 Texas A&M University, College Station, TX
 2000 Tulane University, New Orleans, LA
 1999 University of Szczecin, Poland, Institute of Marine and Coastal Studies, Szczecin, Poland
 1999 Cheltenham & Gloucestershire, College of Higher Education, Cheltenham, England
 1999 Cambridge University, Dept. Geography and Coastal Research Unit, Cambridge, England
 1999 University of London, Birkbeck College, Department of Geography, London, England
 1999 Oxford University, School of Geography, Oxford, England
 1998 Coastal Geomorphology-Binghamton Geomorphology Symposium, Woods Hole, MA
 1998 University of North Carolina, Department of Geography, Chapel Hill, NC
 1997 LUMCON, Louisiana Universities Marine Consortium, Cocodrie, LA
 1995 East Carolina University, Department of Geography and Planning, Greenville, NC
 1995 Geology in the Lower Mississippi Valley: Implications for Engineering in the Half Century Since Fisk, Vicksburg, MS

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

2022 Assoc. of American Geographers, (1 paper)
 Florida Society of Geographers, virtual (1 paper, 1 poster)
 2021 Southeastern Div. Am Assoc. of Geographers (3 papers)
 Binghamton Geomorphology Symposium, (2 posters)
 Assoc. of American Geographers, virtual (1 paper)
 American Soc. of Photogrammetric Eng. and Remote Sensing, virtual (1 paper)
 Florida Society of Geographers, virtual (1 paper, 1 poster)
 2020 American Geophysical Union, Virtual (paper)
 Bays and Bayous Symposium, Virtual (paper)
 Southeastern Div. Am Assoc. of Geographers, Virtual (2 papers)
 Florida Society of Geographers, Gainesville, FL (2 co-authored posters)
 UF Water Institute Symposium (1 poster)
 2019 Southeastern Div. Am Assoc. of Geographers, Wilmington, NC (3 papers, 1 poster)
 Florida Society of Geographers, Orlando, FL (3 co-authored posters)
 UF Water Institute Symposium (1 paper)
 2018 Southeastern Div. Am Assoc. of Geographers, Johnson City, TN (paper, 3 posters)
 Am. Assoc. of Geographers, New Orleans, LA (2 co-papers, 1 co-poster)
 Florida Society of Geographers, Melbourne, FL (3 co-posters)
 2017 Southeastern Div. Am Assoc. of Geographers, Starkeville, MS (co-paper and co-poster)

- 2016 Southeastern Division of the Assoc. of American Geographers, Columbia, SC (paper)
Binghamton Geomorphology Symposium, (1 co-authored posters), Fort Collins, CO
Assoc. of American Geographers, San Francisco, CA (paper)
- 2015 Southeastern Division of the Assoc. of American Geographers, Pensacola, FL (paper)
Assoc. of American Geographers, Chicago, IL (paper)
- 2014 Southeastern Division of the Assoc. of American Geographers, Athens, GA (paper)
American Water Resources Assoc., Salt Lake, UT (paper)
Assoc. of American Geographers, Tampa, FL (paper)
4th University of Florida Water Institute Symposium, poster
Florida Society of Geographers, Orlando, FL (paper)
- 2013 Southeastern Division of the Assoc. of American Geographers, Roanoke, VA (paper)
Florida Society of Geographers, Tallahassee, FL (paper)
- 2012 Southeastern Division of the Assoc. of American Geographers, Asheville, NC (paper)
- 2011 Southeastern Division of the Assoc. of American Geographers, Savannah, GA (poster)
- 2010 Southeastern Division of the Assoc. of American Geographers, Birmingham, AL (paper)
Federal Interagency Sedimentation Conference, Las Vegas, NV (proceedings)
- 2007 Southeastern Div. Assoc. of American Geographers, Charleston, SC (paper & poster)
Keynote Speaker, Singing River Symposium, Moss Pt., MS
Florida Society of Geographers, Jacksonville, FL
- 2006 Binghamton Geomorphology Symposium, (2 co-authored posters), Columbia, SC
Mississippi Water Resources Association Annual Meeting, Jackson, MS
Florida Society of Geographers, Tampa, FL
SME, St. Louis, MO
- 2004 Mississippi Water Resources Association Annual Meeting, Raymond, MS
Florida Society of Geographers, Pensacola Beach, FL
- 2003 Mississippi Water Resources Association Annual Meeting, Raymond, MS
AAG Annual Meeting, New Orleans, LA
- 2000 AAG Annual Meeting, Pittsburgh, PA
- 1999 SEDAAG Annual Meeting, Tampa, FL (with David Howell)
International Association of Geomorphologists, Large Rivers Symposium, Goiania, Brazil
AAG Annual Meeting, Honolulu, HI (with Mark McLean)
- 1998 SEDAAG Annual Meeting, Memphis, TN
Binghamton Symposium, Coastal Systems, Falmouth, MA (with P.A. Gares and H. Jol)
AAG Annual Meeting, Boston, MA (2, 1 poster w/ Adam Grodek)
- 1997 AAG Annual Meeting, Fort Worth, TX (2, 1 w/ Heidi Lannon)
U.S.Geological Survey, Biologic Division Workshop, Atlanta, GA (w/Jayne Brim-Box)
- 1996 Florida Benthologists Association, Palatka, FL
AAG Annual Meeting, Charlotte, NC (2, 1 w/ J. Konwinski)
Lake Pontchartrain Basin Meeting, Hammond, LA (with W.J. Autin)
- 1995 Geological Society of America Annual Meeting, New Orleans, LA
Florida Department of Transportation Drainage Conference, Orlando, FL

- AAG Annual Meeting, Chicago, IL
- 1994 Quaternary Geology of the Mississippi Valley, Waterways Experiment Station, Vicksburg, MS
Florida Department of Transportation Drainage Conference, Orlando, FL
AAG Annual Meeting, San Francisco, CA
Third Geomorphology Workshop, Sampling in Geomorphology, Santa Catalina, CA
Florida Society of Geographers, DeLand, FL
- 1993 Florida Department of Transportation Drainage Conference, Orlando, FL
AAG Annual Meeting, Atlanta, GA
Florida Society of Geographers, Gainesville, FL
- 1992 AAG Annual Meeting, San Diego, CA
*Florida Society of Geographers, Boca Raton, FL (w/ J.T. Lower)
- 1991 EPA-Coastal and Shoreline Erosion Meeting, Houston, TX
Waterways Experiment Station, Coastal Engineering Research Center, Vicksburg, MS
American Water Resources Association, New Orleans, LA
Florida chapter, ASPRS (Photogrammetric Engineering and Remote Sensing), Melbourne, FL
AAG Annual Meeting, Miami, FL
- 1990 Gulf Coast Association of Geological Societies, Lafayette, LA (w/ H.H. Roberts)
- 1989 Coastal Zone '89, Charleston, SC (w/ L. Nakashima)
International Association of Hydrologic Sciences, AGU, Baltimore, MD
- 1988 Gulf Coast Association of Geological Societies, New Orleans, LA
Louisiana chapter, American Water Resources Association, Baton Rouge, LA
AAG Annual Meeting, Phoenix, AZ (w/ B. Schumacher)
- 1987 18th Geomorphology Symposium on Catastrophic Flooding, Oxford, OH (Poster)
Waterways Experiment Station, Geotechnical Laboratory, Vicksburg, MS
- 1986 Soil Science Society of America, American Soc. of Agronomy, New Orleans, LA (w/ B.J. Miller)
- 1985 U.S. Department of Agriculture, Soil Conservation Service, Alexandria, LA
Geological Society of America, Orlando, FL
First International Conference on Geomorphology, Manchester, England
Third International Fluvial Sedimentology Conference, Fort Collins, CO (Poster)
- 1984 Nineteenth Intl. Conference on Coastal Engineering, Houston, TX, (w/Penland and Moslow)
Louisiana chapter, American Water Resources Association, Baton Rouge, LA
AAG Annual Meeting, Washington, D.C.
- 1983 Geological Society of America Annual Meeting, Indianapolis, IN
American Geophysical Union, Ocean Sciences Meeting, New Orleans, LA
Northern Gulf of Mexico: Estuaries and Barrier Islands Conference, Biloxi, MS

PANEL DISCUSSIONS

- 2018 Advancing Women in Geography, Mid-to-Senior Level, Southeast Division of the Association of American Geographers, Johnson City, TN, Panel Member
- 2013 Mentoring Undergraduates, Southeast Division of the Association of American Geographers, Roanoke, VA, Panel Member
- 2013 Promoting Gamma Theta Upsilon, Southeast Division of the Association of American Geographers, Roanoke, VA, Panel Member
- 1999 Physical Geography of the South, Southeast Division of the Association of American Geographers, Tampa, FL, Panel Member
- 1998 Contemporary Research by Women in the Southeast Division of the Association of American Geographers, Memphis, TN, Panel Member

K-12 GEOGRAPHY OUTREACH/VOLUNTEERING

Earth Science and Geography Presenter, Heart Pine Waldorf School, 2014-2017
International Fair, Italy, Talbot Elementary, 2008-2013, annually
Maps & Geography & Geology Class Presenter, Talbot Elementary, 2008-2014, annually
International Fair, Italy, Talbot Elementary, 2008-2013, annually
Host Scientist for four high school students, Science Training Program, Summer 1996 and 1998
Geography Bee Moderator, Alachua County 4-H Youth Fair, 1998-2011, annually

DEPARTMENTAL AND UNIVERSITY COLLOQUIA

Available upon request