

## 2018 PUBLICATIONS

### **Books Published**

**Antipova, A.**, 2018, *Urban Environment, Travel Behavior, Health, and Resident Satisfaction*. Cham, Switzerland: Palgrave Macmillan.

### **Articles and Maps Published**

Carmichael, J.K., Kingsbury, J.A., **Larsen, D.**, and Schoefernacker, S., 2018, Preliminary evaluation of the hydrogeology and groundwater quality of the Mississippi River Valley alluvial aquifer and Memphis aquifer at the Tennessee Valley Authority Allen Power Plants, Memphis, Shelby County, Tennessee. *U.S. Geological Survey Open-File Report 2018–1097*, 66 p., <https://doi.org/10.3133/ofr20181097>.

**Cox, R.T.**, Hatcher, R.D., Counts, R., Gamble, E., Glasbrenner, J., and Warrell, K., 2018, Quaternary faulting along the Dandridge-Vonore fault zone in the Eastern Tennessee seismic zone: in Engel, A.S., and Hatcher, R.D., Jr., eds., *Geology at Every Scale: Field Excursions for the 2018 GSA Southeastern Section meeting in Knoxville, Tennessee: Geological Society of America Field Guide 50*, p. 81–94, [https://doi.org/10.1130/2018.0050\(06\)](https://doi.org/10.1130/2018.0050(06)).

DeVore, William E., Keith P. Jacobi, and **David H. Dye**, 2018, Rethinking Massacres: A Bioarchaeological and Forensic Investigation of Prehistoric Multiple Burials in the Tennessee River Valley. In *Massacres: Bioarchaeology and Forensic Anthropology*

*Approaches*, edited by Cheryl P. Anderson and Debra L. Martin pp. 12-22. University of Florida Press, Gainesville.

**Dye, David H.**, 2018, Ceramic Wares and Water Spirits: Identifying Religious Sodalities in the Lower Mississippi Valley. In *Ceramics of Ancient America: Multidisciplinary Approaches*, edited by Yumi P. Huntington, Dean E. Arnold, and Johanna Minich, pp. 29-61. University of Florida Press, Gainesville.

**Dye, David H.**, 2018, Rotten Palisade Posts and Rickety Baffle Gates: Repairing Native Eastern North American Fortifications. In *Archaeological Perspectives on Warfare on the Great Plains*, edited by Andrew J. Clark and Douglas B. Bamforth, pp. 145-176. University of Colorado Press, Louisville (CO).

Huang, Y., **Ozdenrol, E.**, Sunderman, M., 2018, The Value of Greenways: Memphis Shelby Farms Greenline as a Case Study, *Journal of Housing Research*.

**Kwon, Y.**, Larsen, C. P., & Lee, M., 2018, Tree species richness predicted using a spatial environmental model including forest area and frost frequency, eastern USA. *PloS one*, 13(9), e0203881.

**Mickelson, A.** "The Mississippian Period in Western Tennessee". In *Hegemony of Cahokia and the Diaspora from Cahokia*. Edited by Charles McNutt. University of Florida Press 2018.

Paul, J., **Larsen, D.**, and **Cox, R.**, 2018, Spatial analysis of groundwater chloride anomalies, earthquake sand-blows, and surface soils in the Mississippi River Valley alluvium in

southeastern Arkansas. *Groundwater for Sustainable Development*, 6: 101-111,  
doi.org/10.1016/j.gsd.2017.11.005.

Wang, Xiaoping, Fei Zhang, **Hsiang-te Kung**, and Verner Carl Johnson “New methods for improving the remote sensing estimation of soil organic matter content (SOMC) in the Ebinur Lake Wetland National Reserve (ELWNNR) in northwest China”. *Remote Sensing of Environment, Elsevier* 218 (2018) 104-118.

Wang, Xiaoping, Fei Zhang, Jianli Ding, **Hsiang-te Kung**, Aamir, and Verner C. Johnson “Estimation of soil salt content (SSC) in the Ebinur Lake Wetland National Nature Reserve (ELWNNR), Northwest China, based on a Bootstrap-BP neural network model and optimal spectral indices.” *Science of the Total Environment* 615 (2018) pp. 918-930, Elsevier.

Woolery, E.W., Whitt, J.W., **Van Arsdale, R.B.**, and Almayahi, A., 2018, Geophysical and Geological Evidence for Quaternary Displacement on the Caborn Fault, Wabash Valley Fault System, Southwestern Indiana. *Seismological Research Letters*, doi: 10.1785/0220180220.