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Department of Geography  
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**Professional Preparation:**

University of South Carolina	Geography	Ph.D., 2000
Nanjing University (China)	Geography	M.S., 1992
Nanjing University (China)	Geology	B.S., 1989

**Appointments:**

2003-present: Assistant Professor, Department of Geography, University of Kansas  
2000-2002: Assistant Professor, Dept. of Geography & Planning, Appalachian State University  
1992-1996: Research Scientist, State Key Laboratory of Resources and Environment Information System, Chinese Academy of Sciences

**Publications:**

French, K. and X. Li (in press) Feature-based cartographic modeling, *International Journal of Geographical Information Science*.

Li, X., R.J. Rowley, J.C. Kostelnick, D. Braaten, and J. Meisel (in press) GIS analysis of global inundation impacts from sea level rise. *Photogrammetric Engineering & Remote Sensing*.

Li, X. and M. Williams (2008) Snowmelt runoff modeling in an arid mountain watershed, Tarim Basin, China. *Hydrological Processes*, 22: 3931-3940.

Legra, L., X. Li, and T. A. Peterson. (2008) Biodiversity consequences of sea level rise in New Guinea. *Pacific Conservation Biology*, 14: 191-199.

Rowley, R.J., J.C. Kostelnick, D. Braaten, X. Li, and D. Meisel (2007) Estimating Population and Land Area at Risk from Sea Level Rise. *EOS*, 88(9): 105-107.

Li, X. (2005) Deriving directional variance from covariance matrix. *Transactions in GIS*, 9(3): 443-445.

Li, X., C. Larson, and A. Rex (2005) Creating buffers on surfaces. *Cartography and Geographical Information Science*, 32(3): 195-210.

Li, X. and M. Hodgson (2004) Vector field data model and operations. *GIScience and Remote Sensing*, 41(1): 1-24.

Li, X., M. Harman, and S. Wang (2005) Improving lake/reservoir water quality modeling using an environmental model and GIS. *GIScience & Remote Sensing*, 42(4): 320-332.

Hodgson, M., X. Li, and Y. Chen (2004) A parameterization model for transportation feature extraction. *Photogrammetric Engineering & Remote Sensing*, 70(12): 1399-1404.

**Manuscripts under Review:**

Tucker, D.F., and X. Li. Characteristics of warm season precipitating storms in the Arkansas-Red River basin, Submitted to *Journal of Geophysical Research*.

Wu, S., S. Zhou, X. Li, W.C. Johnson, and Q. Zhao. Heavy metal accumulation trends in Yixing, China—an area of rapid economic development, submitted to *Journal of Environmental Geology*.

Menon, S., J. Soberon, X. Li, and A.T. Peterson. First-pass global assessment of biodiversity consequences of sea level rise mediated by climate change, Submitted to *Journal of Biodiversity and Conservation*.

Setiadi, M.I., A. Hamidy, Z. Abidin, R. Brown, A.T. Peterson, X. Li, and B.J. Evans. Geographic genetic structure of herpetofauna on Halmahera Island, Indonesia: implications for the Aketajawe-Lolobata National Park, Submitted to *Journal of Biodiversity and Conservation*.

A.T. Peterson, A.G. Navarro-Siguenza, and X. Li. Joint effects of marine intrusion and climate change on the Mexican avifauna, submitted to *Annals of the Association of American Geographers*.

#### **Grants:**

Sea level rise effects on coastal ecosystem distributions and biodiversity status in the U.S. Middle Atlantic region, PI, DoE, \$125,000, 04/01/09 – 8/31/10.

Developing NEXRAD-based precipitation datasets for the Cheney Lake watershed for use in water quality models, PI, USDA, \$19,685, 05/01/2008 – 01/31/2008.

NSF Center for Polar Research and Remote Sensing, Investigator, NSF, \$19,000,000, 08/01/2005-07/31/2010.

Conservation Evaluation and Assessment Project for the Cheney Reservoir Watershed, PI, USDA, \$18,000, 09/01/2005 – 05/31/2006.

Developing a GIS Extension for Lake Water Quality Model BATHTUB, PI, EPA (subcontract through Kansas Biological Survey), \$15,000, 06/01/2004 – 12/31/2004.