

Latif Kalin

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(a) Professional Preparation

BSCE	1995	Civil Engineering, Middle East Technical University
MSCE	1998	Civil Engineering, Purdue University
Ph.D.	2002	Civil Engineering, Purdue University
Post-Doc	2002-2006	U.S. EPA - National Risk Management and Research Laboratory

(b) Appointments

- 2013 -** : Associate Director, Center for Environmental Studies at the Urban-Rural Interface
- 2006 -** : Assistant/Associate Professor, School of Forestry and Wildlife Sci., Auburn University
- 2010 -** : Adjunct Professor, Biosystems Engineering, Auburn University
- 2002 - 2006** : Post-doc, EPA - National Risk Management and Research Laboratory, Cincinnati, OH
- 1998 - 2002** : Research/Teaching Assistant, Purdue University, Civil Engineering
- 1997 - 1998** : Graduate Student, Purdue University, Civil Engineering
- 1996 - 1997** : Water Resources Engineer, SU-YAPI Engineering and Consulting, Turkey
- 1995 - 1996** : Quality Control Engineer, Koyluoglu Inc., Turkey

(c) Products

Closely Related

1. Sharma, S., P. Srivastava, X. Fang, **L. Kalin**, “Long-Range Hydrologic Forecasting in El Niño Southern Oscillation-Affected Coastal Watersheds: Comparison of Climate Model and Weather Generator Approach”, *Journal of Hydrologic Engineering*. (accepted)
2. Wang, R., **L. Kalin**, W. Kuang, H. Tian (2013), “Individual and Combined Effects of Land Use/Cover and Climate Change on Wolf Bay Watershed Streamflow in Southern Alabama”, *Hydrological Processes*. DOI: 10.10102/hyp.10057.
3. Sharifi, A., **L. Kalin**, Hantush, M., S. Isik, T. Jordan (2013), “Carbon Dynamics and Export from Flooded Wetlands: A modeling approach, *Ecological Modeling*. 263: 196-210.
4. Sharma, S., P. Srivastava, X. Fang, **L. Kalin** (2012), “Incorporating Climate Variability for Point Source Discharge Permitting in a Complex River System”, *Transactions of ASABE*, 55(6):2213-2228.
5. Isik, S., **L. Kalin**, J.E. Schoonover, P. Srivastava, and B.G. Lockaby (2013), “Modeling Effects of Changing Land Use/Cover on Daily Streamflow: An Artificial Neural Network and Curve Number based Hybrid Approach”, *Journal of Hydrology*. 485: 103–112.

Other

6. Sefick, S., **L. Kalin**, E. Kosnicki, M.S. Jarrell, B.P. Schneid, C.J. Anderson, M.H. Paller, J.W. Feminella, “Flow-resistance equations for low-gradient, sand-bed streams of the Southeastern Plains”. *Journal of American Water Resources Association* (in press).
7. Kara, F., **L. Kalin**, E. Loewenstein (2014), "Sediment Dynamics Following Active Management of a Stream Buffer Zone: A Case Study", *Journal of Soil and Water Conservation*. 69(2): 87-94.

8. Hantush, M.M., **L. Kalin**, A. Yucekaya, and S. Isik (2013), "Nutrient Dynamics in Submerged Wetlands: I. Model Development and Sensitivity Analysis", *Journal of Hydrologic Engineering*, 18(12), 1709–1723.
9. Niraula, R., **L. Kalin**, P. Srivastava, C. Anderson (2013), "Effect of Model Choice in Determining Critical Source Areas of Nonpoint Source Pollution", *Ecological Modeling*, 268:123-133.
10. Ardicioglu, M., O. Genc, **L. Kalin**, N. Agiralioglu (2011), "Investigation of flow Properties in Natural Streams by Entropy Concept", *Water and Environment Journal*, 26(2):147-154.

(d) Synergistic activities

- *Associate Editor* for Journal of the American Water Resources Association (2012-), Journal of Water Quality, Exposure and Health (2011-), Auburn Speaks 2013: Water, *Section Editor* for Sakarya University Science Journal, *Guest Editor* for special issue in Journal of Hydrologic Engineering (2013-).
- *Co-chair* of the 6th International Perspective on Water Resources and the Environment conference, IPWE-2013, Izmir, Turkey, Jan 7-9, 2013; *Keynote Speaker* and *Scientific Committee Member* for "2nd International Balkans Conference on Challenges of Civil engineering" in Tirana, Albania, 23-25 May 2013", and "IUFRO 7.01.08 Hydroecology Conference: Forest-Water Interactions with respect to Air Pollution and Climate Change, Turkey, Sep 3-6, 2012.
- *Science Advisory Board Panel Member* for the review of the Environmental Protection Agency's 2013 report, "Connectivity of Streams and Wetlands to Downstream Waters: A Review and Synthesis of the Scientific Evidence.", *Science Advisory Board Member* of Mobile Bay National Estuary Program (MBNEP), (2008-).
- Water and Environment Journal *Outstanding Paper Award* (2013), U.S. EPA *Scientific and Technological Achievement Award* in 2009 and 2012, Journal of Hydrologic engineering *Best Reviewer Award* in 2010 and 2011.
- *Chair* ASCE Wetlands Hydrology Technical Committee (2010-2013), *Secretary* ASCE International Participation Committee (2014-), *member* ASCE Task Committee on Land Use/Cover Change Impacts (2010), Auburn University *representative* for Consortium of Universities for the Advancement of Hydrologic Science (CUAHSI) (2008-), Auburn University senator from SFWS (2014-), *member* Auburn University Water Resources Center (2008-)

(e) Research Support

- US-EPA, Oct 2014 – Sep 2015, "Wetland and Riparian Zone Process Modeling", L. Kalin (PI), \$59,711.
- Mobile Bay National Estuary Program, Sep 2014 – Aug 2015, "Toulmins Spring Branch Flood Modeling/Community Adaptation", L. Kalin (single PI), \$43,800.
- US Forest Service, 2014-2015, "Impact of Forest to Urban Conversion on Human Health, G, Lockaby, L. Kalin (co-PI), W. Morse, \$627,676.
- NOAA, 2012-2015, "Forecasting Streamflows in the Apalachicola-Chattahoochee-Flint River Basin Using Ensemble Streamflow Predictions", Srivastava, P., K. Ingram, L. Kalin (co-PI), J. Dobur, M. Chelliah, \$363,854.
- NOAA MS/AL SeaGrant, 2012-2015, "Determining the Role of Headwater Wetlands for Water Quality Improvements in Coastal Alabama", C. Anderson, L. Kalin (Co-PI), C. LeBleu \$211,536.