

Resume

Prasanta K. Kalita, Ph.D., Fellow –ASABE, Fellow- ISAE

- Professor, Soil & Water Resources Engineering, Agricultural & Biological Engineering;
 - University Distinguished Teacher Scholar; U of Illinois at Urbana-Champaign (UIUC)
- University of Illinois at Urbana-Champaign; Urbana, IL 61801; Email: pkalita@illinois.edu

1. Present Academic Rank: Professor, University of Illinois at Urbana-Champaign
2. Tenure Status : Tenured
3. Citizenship: USA
5. Education:
 - Ph.D. Soil & Water Resources, Iowa State University, Ames, Iowa, 1992
 - MS: Water Resources Engineering, Asian Institute of Technology, Bangkok, Thailand, 1986
 - BS: Agricultural Engineering, Punjab Agricultural University, Ludhiana, India, 1982
6. Academic Experience:
 - Faculty Affiliate, Discovery Partners Institute (DPI), University of Illinois System, 2020
 - Presidential Fellow, University of Illinois System, August 2018- 2020
 - Associate Dean for Academic Programs, College of ACES, UIUC, July 2016-August 2018
 - Director- Agricultural Education Programs, College of ACES, UIUC, July 2016-August 2018
 - Director- Agricultural Communication Programs, College of ACES, UIUC, July 2016-August 2018
 - Director, ADM Institute for the Prevention of Postharvest Loss, UIUC, 2013 – June 2017
 - Assistant Dean of Research, College of ACES, UIUC, January 2012-June 2016
 - Professor, University of Illinois at Urbana Champaign, August 2008-present
 - Associate Professor, University of Illinois at Urbana Champaign, August 2002 – 2008
 - Assistant Professor, University of Illinois at Urbana Champaign, August 1999 –2002
 - Assistant Professor, Kansas State University, Manhattan, Kansas 08/1994-06/1999
7. a. Other Professional Employment
 - Post-Doctoral Research Associate, USDA-ARS, Washington State University, 1992-1994
 - Post-Doctoral Research Associate, Iowa State University, Ames, February-June 1992
 - Research Assistant, Iowa State University, Ames, Iowa, 1988- January 1992
 - Research Associate and Instructor, Asian Institute of Technology, Bangkok, 1986-1988
 - Assistant Civil Engineer, Government of Assam, India, 1982-1984
 - b. Major Consulting Activities:
 - International Center for Agricultural Research in Dryland Areas (ICARDA), 2009-present
 - Water Management Specialist for the AKI (Ag Knowledge Initiative) Program, USDA, 2006-2009
 - Food and Agriculture Organization (FAO) of the United Nations, Bangkok, 1986-1988
 - Technical Consultant, White Martin & Associate Engineering Firm, Topeka, Kansas, 1996-1999
 - Consultant, US Department of Interior, Ft. Riley Military Base, Kansas, 1997-1999
8. Awards and Recognition
 - 1992, Research Excellence Award, Iowa State University, Ames, Iowa.
 - 1996, Included in *Who's Who in Science and Engineering*, 3rd Edition.
 - 1996, Advisor of the Year, College of Engineering, Kansas State University
 - 1997, Most Outstanding Advisor of the Year, BAE Department, K-State University
 - 1997, Outstanding K-State Instructor and Advisor, K-State Mortar Board
 - 1998, 2000, 2005, Included 3 times in *Who's Who Among America's Teachers*

1999, Finalist (out of two)- President's Award as Most Outstanding University Advisor, K-State

2000, Collins Scholar, Academy for Excellence in Engineering Education, College of Engineering, UIUC

2001, Collins Fellow, Academy for Excellence in Engineering Education, College of Engineering, UIUC

2002, Teaching Excellence Award by the ASABE Student Club, University of Illinois at Urbana-Champaign

2002, Outstanding Engineering Advisor, College of Engineering, UIUC

2003, J.K. Mitchell Teaching Excellence Award, ABE Department, UIUC

2003, Faculty Award for Excellence in Teaching, College of ACES, UIUC

2003 –2014, Academy of Teaching Excellence Member, College of ACES, UIUC

2003, Best Research Paper award, Int. Assoc. Sci.Tech. for Development, Merina Del Rey, CA, 2003.

2004, Outstanding Engineering Advisor, College of Engineering, UIUC

2004, NACTA Teacher Fellow Award, Gainesville, FL.

2005, 2006, Campus Award for Excellence in Guiding Undergraduate Research- Honorable Mention, UIUC

2005, **National Award for Excellence in College and University Teaching**, USDA-Higher Education Program, APLU, Washington, D.C.

2006, Karl E. Gardner Outstanding Undergraduate Advising Award, College of ACES, UIUC

2006 Accenture Outstanding Engineering Advisor, College of Engineering, UIUC

2006, NACTA Regional Outstanding Teacher Award, Vancouver, Canada

2007, UIUC Campus Award for Excellence in Undergraduate Teaching, UIUC

2007, Distinguished Teacher Scholar Award, University of Illinois at Urbana-Champaign

2007, ASABE Presidential Distinguished Service Citation Award

2008, Ben & Georgeann Jones Excellence in Teaching Award, ABE, University of Illinois

2009-10, LEAD 21 – National USDA Leadership for 21st Century Program

2010, College of ACES Senior Faculty Teaching Excellence Award, University of Illinois

2010, Leadership Forum, College of Engineering, University of Illinois

1999-present-Every Semester taught -Teachers Ranked as Excellent by Students, UIUC

2010, Engineering Council Award for Excellence in Advising, College of Engineering, UIUC

2011, Rose Award for Teaching Excellence, College of Engineering, UIUC

2011, Engineering Council Award for Excellence in Advising, College of Engineering, UIUC

2012, Faculty Award for Global Impact, College of ACES, UIUC

2012, Engineering Council Award for Excellence in Advising, College of Engineering, UIUC

2012, Ben & Georgeann Jones Excellence in Teaching Award, ABE, University of Illinois

2012, **NACTA National Teaching Award of Excellence**, River Falls, WI

2012, ASABE President's Citation Award for outstanding leadership, Dallas, TX

2013, Engineering Council Award for Excellence in Advising, College of Engineering, UIUC

2013, Fellow, American Society of Agricultural and Biological Engineers (ASABE)

2013, Paul Funk Recognition Award, College of ACES, UIUC

2013, Faculty Fellow- National Great Rivers Research and Education Center, UIUC

2013, Honorary Professor appointed by the Harbin Institute of Technology, China, 2013-present

2014, Engineering Council Award for Excellence in Advising, College of Engineering, UIUC

2015, Sheth Distinguished Faculty Award for International Achievement, UIUC

2017, Fellow, Indian Society of Agricultural Engineers (ISAE)

2017, Big Ten Academic Alliance- Academic Leadership Program, Class of 2016-17

2018, Honorary Professor appointed by the Hebei Agricultural University, China, 2018-present

2018, Outstanding Service Recognition, APLU- Academic Programs Section, New Orleans, LA

2018, Certificate of Excellence, Council for Agricultural Science and Technology (CAST), Ames, IA

2019, Outstanding Service Recognition, University Senate Conference (USC), U Illinois, Urbana, IL

2020, Kishida International Award by the ASABE for outstanding contributions toward food and fiber production, improved living and education of people outside the United States of America

9. List of Publications

a. Chapters in Book:

1. Goswami D. and P.K. Kalita. 2010. Correlations of surface and groundwater flow with Nitrate-N concentration in agricultural drainage ditches in two Illinois watersheds. In J.C. Vaughn (ed.), *Watersheds: Management, Restoration and Environmental Impact*. Nova Science Publishers, Hauppauge, New York.
2. Fangmeier, D.D., P.K. Kalita, and G.O. Schwab. Chapter 5: Infiltration and Runoff. In Fangmeier et al., *Soil and Water Conservation Engineering*, 5th Edition, 2006. Thomson Delmar Learning Publisher, ISBN 1-4018-9749-5, pp 78-106.
3. Workman, S.R., P.K. Kalita, and G.O. Schwab. Chapter 3: Precipitation. In Fangmeier et al., *Soil and Water Conservation Engineering*, 5th Edition, 2006. Thomson Delmar Learning Publisher, ISBN 1-4018-9749-5, pp 29-52.
4. Workman, S.W. and P.K. Kalita. Chapter 12: Wetlands. In Fangmeier et al., *Soil and Water Conservation Engineering*, 5th Edition, 2006. Thomson Delmar Learning Publisher, ISBN 1-4018-9749-5, 2006, pp 270-287.

b. Monographs/Manuals/Peer-reviewed Reports*:

5. *Svendsen, N.G., P.K. Kalita, and D.L. Gebhart. 2006. Defilade, stationary target and moving target embankment, low water crossing, and course road designs for soil loss prevention. US Army Corps of Engineers, Manual No. ERDC/CERL TR-06-31
6. *Svendsen, N.G., P.K. Kalita, and D.L. Gebhart. 2006. Evaluation of soil loss and erosion control measures on ranges and range structures at installations in temperate climate. US Army Corps of Engineers, Manual No. ERDC/CERL TR-06-14.
7. *Bhattarai, R., P. Kalita, S. Gautam, H. Howard, N. Svendsen, & D. Gambil. 2016. Development of Low-Water Crossing Design Guidelines for Very Low ADT Routes in Illinois. Research Report No. FHWA-ICT-16-020. Illinois Center for Transportation, & Illinois Department of Transportation
8. *Bhattarai, R., P. Kalita, A. Azeem, & R. Jh. 2016. Evaluation of Curb and Gutter Inlet Protection Products for Sediment Retention. Research Report No. FHWA-ICT-16-001. Illinois Center for Transportation & Illinois Department of Transportation.
9. * Bhattarai R., P. Kalita, A. Azeem, & R. Jha. 2016. Evaluation of Flared-End Inlet Protection Products for Sediment Retention. Research Report No. FHWA-ICT-16-004. Illinois Center for Transportation & Illinois Department of Transportation.
10. *Bhattarai R., P. Kalita, C. B. Garcia, J. Monical, & P. Schumache. 2015. Evaluation of Ditch Checks for Sediment Retention. Research Report No. FHWA-ICT-16-002. Illinois Center for Transportation & Illinois Department of Transportation.

11. *Bhattarai R., P. Kalita, C. B. Garcia, J. Monical, M. Stoklosa, & A. Azeem. 2015. Evaluation of Ditch Inlet Protection Products for Sediment Retention. Research Report No. FHWA-ICT-16-003. Illinois Center for Transportation & Illinois Department of Transportation.

c. Articles in Peer-reviewed Journals

12. Jha, R., P.K. Kalita., and R. Jat. 2019. Development of production management strategies for sustainable rice production system with water scarcity conditions using crop growth model, DSSAT. *Paddy and Water Environment*, doi.org/10.1007/s10333-020-00799-3

13. Huang X, L. Wang, S. Zhu, S. Ho, J. Wu, Kalita P.K., and F. Ma. 2018. Unraveling the effects of arbuscular mycorrhizal fungus on uptake, translocation, and distribution of cadmium in *Phragmites australis* (Cav.) Trin. ex Steud. *Ecotoxicology and Environmental Safety*, Vol. 149, pp 43-50.

14. Kumar, V., D. Rajak., P.K. Kalita, K. Rausch, D. Kumar. 2018. Performance evaluation of a modified STR Dryer. *International Journal of Chemical Studies*, Vol 6 (4), pp 1915-1918.

15. da Rocha Junior, P. R., F. V. Andrade, E. Mendonça, G. K. Donagemma, R. B. A. Fernandes, R. Bhattharai, & P. K. Kalita. 2018. Runoff sediment and P losses from various soil management practices: modelling in hilly slopes. *Journal of Soil Science and Plant Nutrition*, Vol 18(1), pp 113-128

16. da Rocha Junior, P. R., F. V. Andrade, E. Mendonça, G. K. Donagemma, R. B. A. Fernandes, R. Bhattharai, & P. K. Kalita. 2017. Soil, water, and nutrients losses from management alternatives for degraded pasture in Brazilian Atlantic Rainforest biome. *Science of Total Environment*, 583, 53-53.

17. Kumar, D. and P.K. Kalita. 2017. Reducing Postharvest Losses during Storage of Grain Crops to Strengthen Food Security in Developing Countries. *Foods 2017*, 6(1), 8; doi:10.3390/foods6010008

18. Li. S., R. Bhattarai, R. A. Cooke, T. Rendell, V. Dahal, P. K. Kalita. 2017. Assessment of surface inlets performance on sediment transport to subsurface drainage system. *Applied Engineering in Agriculture*. 33(2), 217-224 .

19. Bhattarai, R., P. C. Davidson, P. K. Kalita, M. S. Kuhlenschmidt. 2017. Modeling effect of cover condition and soil type on rotavirus transport in surface flow. *Journal of Water and Health*, 15(4), 545-554.

20. da Rocha Junior, P. R., R. Bhattarai, R. B. A. Fernandes, P. K. Kalita, & F. V. Andrade. 2016. Soil surface roughness under tillage practices and it's consequences for water and soil losses. *Journal of Soil Science and Plant Nutrition*. 16(4), 1065-1074.

21. Li, S., R. Bhattarai, L. Wang, R. A. Cooke, F. Ma, & P. K. Kalita. 2016. Assessment of water quality in Little Vermillion River watershed using principal component and nearest neighbor analyses. *Water Science and Technology: Water Supply*, 15(2), 327-338.

22. Motsinger, J., Kalita, P., & Bhattarai, R. 2016. Analysis of Best Management Practices Implementation on Water Quality Using the Soil and Water Assessment Tool. *Water*, 8(4), 145.

23. Davidson, P. C., Kuhlenschmidt, T. B., Bhattarai, R., Kalita, P. K., & Kuhlenschmidt, M. S. 2016. Overland Transport of Rotavirus and the Effect of Soil Type and Vegetation. *Water*, 8(3), 78

24. Kalita, P.K. and D. Kumar. 2015. Management of Global Postharvest Losses in Waste and Loss Mngement. *eFood –Lab International*, 4/15. Pages 24-26.
25. Bulnes Garcia, C., Bhattarai, R., Monical, J., P.K. Kalita. 2015. Generation of digital microtopography elevation models using a laser distance-meter. *Applied Engineering in Agriculture*, 31(6): 899-905.
26. Verma, S., Bhattarai, R., Bosch, N.S., Cooke, R.A., Kalita, P.K., M. Markus. 2015. Climate change impacts on flow, sediment and nutrient export in a Great Lakes watershed using SWAT. *CLEAN – Soil, Air, Water*, 43(11): 1464-1474.
27. Bulnes Garcia, C., Monical, J., Bhattarai, R., P.K. Kalita. 2015. Field evaluation of sediment retention devices under concentrated flow conditions. *Journal of Soils and Sediments*, 15(9): 2022-2031. (DOI: 10.1007/s11368-015-1167-6).
28. Li, S., Bhattarai, R., Wang, L., Cooke, R.A., Ma, F., P.K. Kalita. 2015. Assessment of water quality in Little Vermillion River watershed using principal component and nearest neighbor analyses. *Water Science & Technology: Water Supply*, 15(2): 327-338.
29. Anderson, S., Lal, K., Bhattarai, R., P.K. Kalita. 2014. The effectiveness of different inexpensive sorbents on the toxic metal removal in wastewater. *Advances in Water Resource and Protection*, 2: 47-56.
30. Davidson, P. C., T. B. Kuhlenschmidt, R. Bhattarai, P. K. Kalita, M. S. Kuhlenschmidt. 2014. Effects of soil type and cover condition on *Cryptosporidium parvum* transport in overland flow. *Water, Air, & Soil Pollution*, 225: 1882, DOI 10.1007/s11270-014-1882-4.
31. Davidson, P. C., T. B. Kuhlenschmidt, R. Bhattarai, P. K. Kalita, M. S. Kuhlenschmidt. 2013. Investigation of rotavirus survival in different soil fractions and temperature conditions. *Journal of Environmental Protection*, 4: 1-9. DOI 10.4236/jep.2013.47A001.
32. McLaughlin, S. J., P. K. Kalita, M. S. Kuhlenschmidt. 2013. Fate of *Cryptosporidium parvum* oocysts within soil, water, and plant environment. *Journal of Environmental Management*, 131: 121-128.
33. Koch, D. J., P. C. Davidson, P. K. Kalita, M. S. Kuhlenschmidt, T. B. Kuhlenschmidt. 2013. Fate and transport of *Cryptosporidium parvum* under small-scale rainfall simulator. *Journal of Medical Research and Development*, 2(4): 93-100.
34. Bhattarai, R., P. K. Kalita, J. Trask, and M.S. Kuhlenschmidt. 2011. Development of a physically-based model for transport of *Cryptosporidium parvum* in overland flow. *Environmental Modelling & Software* 26 (2011): 1289-1297.
35. Bhattarai, R., P.K. Kalita, S. Yatsu, H. Howard, and N. Svendsen. 2011. Evaluation of compost blankets for erosion control from disturbed lands. *Journal of Environmental Management*, Vol. 92 (2011): 803-812.
36. Lee, T.Y., J. C. Huang, S. J. Kao, L. Y. Liao, C. S. Tzeng, C. H. Yang, P. K. Kalita and C. P. Tung. 2011. Modeling the effects of riparian planting strategies on stream temperature: Increasing suitable habitat for endangered Formosan Landlocked Salmon in Shei-Pa National Park, Taiwan. *Hydrological Processes* (2011), DOI: 10.1002/hyp.8440.

37. Guan, K., S.E. Thompson, C.J. Harman, N.B. Basu, P.S.C. Rao, M. Sivapalan, A.I. Packman, and P.K. Kalita. 2011. Spatio-temporal scaling of hydrological and agrochemical export dynamics in a tile-drained Midwestern watershed. *Water Resources Research*, 47, W00J02, doi:10.1029/2010WR009997.
38. Goswami D., P.K. Kalita, and E. Mehnert. 2010. Modeling and simulation of baseflow to drainage ditches during low-flow periods. *Water Resources Management*, 24(1): 173-191, DOI 10.1007/s11269-009-9443-0
39. Goswami D., P.K. Kalita, and E. Mehnert. 2010. Estimation of watershed-scale hydraulic conductivity for two watershed sites using GFLOW. *CIGR Agricultural Engineering International ejournal (in Press)*, 12 (2).
40. Goswami D. and P.K. Kalita. 2009. Simulation of baseflow and tile flow for storm events in a subsurface drained watershed. *Biosystems Engineering* 102(2): 227- 235.
41. Bhattarai, R., P.K. Kalita, and M.K. Patel. 2009. Nutrient transport through a Vegetative Filter Strip with subsurface drainage. *Journal of Environmental Management*: 90 (5) :1868-1876.
42. Goswami D., P.K. Kalita, R.A. Cooke, and G.F. McIsaac. 2009. Nitrate-N loadings through subsurface environment to agricultural drainage ditches in two flat Midwestern (USA) watersheds. *Agricultural Water Management* 96(6): 1021-1030.
43. Goswami, D., P.K. Kalita, R.A. Cooke, and M.C. Hirschi. 2008. Analysis of flow components into drainage channels in two tile-drained watersheds in Illinois. *Transactions of the ASABE* 51(4): 1201-1213
44. Algoazany, A.S., P.K. Kalita, G. Czapar, and J.K. Mitchell. 2007. Phosphorus transport through subsurface drainage and surface runoff from a flat watershed in east-central Illinois, USA. *J. Environmental Quality*, Vol. 36: 681-693.
45. Kalita, P.K., R.A. C. Cooke, S. Anderson, M.C. Hirschi, and J.K. Mitchell. 2007. Subsurface drainage and water quality – the Illinois experience.(INVITED PAPER) *Transactions of the ASAE*, Vol. 50, No. 5, 1651-1656.
46. Mankin, K.R, P.L. Barnes, J.P. Harner, P.K.Kalita, and J.E. Boyer. 2006. Field evaluation of vegetative filter effectiveness and runoff quality from unstocked feedlots. *J. Soil & Water Conservation*, Vol. 61, No. 4, 209-217.
47. Kim, K., P.K. Kalita, M.J. Bowes, and J.W. Eheart. 2006. Modeling of river dynamics of phosphorus under unsteady flow conditions. *Water Resources Research*, Vol 42, W07413, doi:10.1029/2005WR004210.
48. Kalita, P.K., A. Algoazany, J.K. Mitchell, R.A.C. Cooke and M.C. Hirschi. 2006. Subsurface water quality from a flat tile-drained watershed in Illinois, USA. *Agriculture, Ecosystem and Environment* , Vol. 115, 183-193.
49. Lander, K, P.K. Kalita, and R.A.C. Cooke. 2005. Base flow characteristics of a subsurface drained watershed. *Intl. Agric. Eng. Journal*, Vol. 14(4), 171-179.
50. Yeghiazarian, L, P.K. Kalita, M. Kuhlenschmidt, S. McLaughlin, and C.D. Montemagno. 2004. Field calibration and verification of a pathogen transport model. IWA Publishing, ISBN 1-84339-711-0

51. Trask, J, P.K. Kalita, M. Kuhlenschmidt, R. Smith, and T. Funk. 2004. Overland and Near-surface Transport of *Cryptosporidium parvum* from Vegetated and Non-vegetated Surfaces. *Journal of Environmental Quality*, Vol. 33: 984-993.
52. Andresen, D., M. Nielsen, G. Singh, and P.K. Kalita. 2002. Domain-specific Metaware for Hydrologic Applications. *International Journal of Parallel and Distributed Systems and Networks (IJPDSN)*, Vol. 5, No.4, 178-184.
53. Lander K. S. and P. K. Kalita. 2002. Old drains, new challenges – study of base flow in tile-drained watersheds. *Resource*, Vol. 9, No. 5, 7-8.
54. Bhuyan, S.J., P.K. Kalita, and K.A. Janssen. 2002. Soil loss predictions with three erosion prediction models. *Journal of Environmental Modeling and Software*, Vol 17 (2002): 137-146.
55. Barnes, P.L. and P.K. Kalita. 2001. Watershed monitoring to address contamination source issues and remediation of the contaminant impairments. *Water Science and Technology*, Vol.44(7): 51-56.
56. McCool, D.K., C.D. Pankuk, K.E. Saxton, and P.K. Kalita. 2000. Winter runoff and erosion on northwestern USA cropland. *International Journal of Sediment Resources*, 15(2): 149-161.
57. Kalita, P.K., M.C. Hirschi, L. Schieferecke, S. Bhuyan, P. Woodford, and P. Gipson. 2000. In the Trenches- WEPP model measures runoff and erosion on military training lands. *Resource*, Vol. 7(2): 13-14.
58. Kalita, P.K. 1999. Transient finite element method solution of oxygen diffusion in soil. *Ecological Modelling*, Vol.118: 227-236.
59. Borah, M.J. and P.K. Kalita. 1999. Development and evaluation of a macropore flow component for LEACHM. *Transactions of the ASAE*, Vol. 42(1): 65-78.
60. Mankin, K.R., J.K. Koelliker, and P.K. Kalita. 1999. Watershed and lake water quality assessment: an integrated approach. *Journal of the American Water Resources Association*, Vol.35(5): 1069-1080.
61. Kalita, P.K., G.J. Kluitenberg, P.L. Barnes, A.P. Schwab, J.K. Koelliker, J.M. Steichen, R. Black, M.J. Borah, and D.L. Oard. 1998. A monolithic weighing lysimeter for characterizing the fate and transport of agricultural chemicals in soils. *Applied Engineering in Agriculture*, Vol. 14, No. 5: 485-491.
62. Kalita, P.K., A.D. Ward, R.S. Kanwar, and D.K. McCool. 1998. Simulation of pesticide concentrations in groundwater using Agricultural Drainage and Pesticide Transport (ADAPT) model. *Agricultural Water Management*, Vol. 36(1): 23-44.
63. Borah, M.J. and P.K. Kalita. 1998. Fate and transport of agricultural chemicals in monolith lysimeters. *Advances in Environmental Research*, Vol. 2., No.3: 360-374.
64. Kalita, P.K., D.K. McCool, and R.S. Kanwar. 1997. The benefits of water table management practices on groundwater quality. *Agricultural Engineering Journal*, Vol.6(3&4): 161-169.
65. Kalita, P.K., R.S. Kanwar, J.L. Baker, and S.W. Melvin. 1997. Groundwater residues of Atrazine and Alachlor under water table management practices. *Transactions of the ASAE*, Vol. 40(3): 605-614

66. Kalita, P.K. and M.P. Kaushal. 1994. Uniformity coefficients for perfo-rain type sprinkler irrigation system. *Journal of Research, PAU*, 31(3): 313-320.
67. Kalita, P.K. and R.S. Kanwar. 1993. Effect of water-table management practices on the transport of nitrate-N to shallow groundwater. *Transaction of the ASAE*, Vol. 36 (2): 413-422.
68. Kanwar, R.S., S.W. Melvin, and P.K. Kalita. 1993. Dual pipe subirrigation system for productivity and water quality benefits. *Transactions of the 15th Congress of Irrigation and Drainage, ICID*, Vol 1C (R73-R103).
69. Kalita, P.K., R.S. Kanwar, and M.A. Rahman. 1992. Modeling percolation losses from a ponded field under variable water table conditions. *Water Resources Bulletin*, Vol. 28 (6):1023-1036.
70. Kalita, P.K. and R.S. Kanwar. 1992. Shallow water table effects on photosynthesis and corn yield. *Transactions of the ASAE*, Vol. 35 (1): 97-104.
71. Kalita, P.K. and R.S. Kanwar. 1992. Energy balance concept in the evaluation of water table management effects on corn growth: experimental investigation. *Water Resources Research*, Vol. 28 (10): 2753-2764.
72. Mizutani, M., B. Rath, B.P. Mohanty, and P.K. Kalita. 1991. Estimation of effective rainfall in wet season Paddy -observational studies on water requirement of low land rice in Thailand(II). *J. Irrigation Engineering and Rural Planning*, Vol. 21: 15-26.
73. Mizutani, M., P.K. Kalita, and D. Shinde. 1989. Effect of different rice varieties and mid-term drainage practice on water requirement in dry season paddy -observational studies on water requirement of low land rice in Thailand(I). *J. Irrigation Engineering and Rural Planning*, Vol 17: 6-20.
- d. Articles in Conference Proceedings:
74. Kim, K., P.K. Kalita, and M.J. Bowes. 2005. Modeling phosphorus transport in a river under unsteady flow conditions. Proc. of the MTERM (Modeling Tools for Environment and Resources Management) International Conference, Asian Institute of Technology, Bangkok, Thailand, June 6-10, 2005, pp. 375-383. - Invited Paper
75. Kalita, P.K., J.K. Mitchell, A. Algoazany, R.A. C. Cooke, and M.C. Hirschi. 2004. Chemical transport through subsurface drains in a flat subsurface drained watershed. Proc. of the 6th International Conf. on Hydro-Science and Engineering, Brisbane, Australia, May 31-June 3, 2004, pp. 56. – Invited Paper
76. Cooke, R.A.C., P.K. Kalita, and J.K. Mitchell. 2004. Analysis of water quality from retrofitted drainage water management systems. Proc. of the 6th International Conf. on Hydro-Science and Engineering, Brisbane, Australia, May 31-June 3, 2004, pp. 61.
77. Andresen, D., M. Nielsen, G. Singh, and P.K. Kalita. 2003. DHARMA: A grid-enabled domain specific metaware for hydrology. Proc. of the IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS 2003), pp. 791-796, Marina Del Rey, CA, Nov 3-5, 2003. Winner of the IASTED Best Paper Award in the area of Distributed Computing Applications.

78. Barnes, P.L. and P. K. Kalita. 2002. Monitoring Delaware River watershed to locate contaminant sources and assessment systems remediation of contaminant impairments. Proc. of the Total Maximum Daily Load (TMDL) Conference, Fort Worth, TX, March 11-13, 2002, pp.69-74, ASAE, St. Joseph, MI.
79. Kalita, P.K., J.R. Trask, M.S. Kuhlenschmidt, and S.J. McLaughlin. 2002. Controlling pathogens and nutrients in runoff from animal production facilities. Proc. of the Animal Residuals 2002 Conference, Washington D.C., May 6-8, 2002, Water Environment Federation, Washington, D.C.
80. Andresen, D., M. Nielsen, G. Singh, and P.K. Kalita. 2002. Domain-specific Metaware for Hydrologic Applications. Proc. of the IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS 2002), pp. 416-422, Cambridge, MA, Nov 4-6, 2002.
81. J. K. Mitchell, P.K. Kalita, K. Banasic, M.C. Hirschi, and R.A.C. Cooke. 2002. Upland drainage-watershed hydrology considerations. Proc. of the 5th International Conference on Hydro-Science and Engineering (ICHE-2002), Warsaw, Poland, September 18-21, 2002.
82. Kalita, P.K., L. Schieferecke, S. Bhuyan, P. Woodford, and P. Gipson. 2001. Application of WEPP model to Military Training Lands. Proc. of the International Symposium "Soil Erosion Research for the 21st Century", Honolulu, HI, 3-5 January 2001, ASAE, St. Joseph, MI, pp: 119-122.
83. Hirschi, M.C., P.K. Kalita, J.K. Mitchell, and Y. Zhao. 2001. Research method effects on measured erosion rates. Proc. of the International Symposium "Soil Erosion Research for the 21st Century", Honolulu, HI, 3-5 January 2001, ASAE, St. Joseph, MI, pp: 548-551.
84. Mitchell, J.K., K. Banasik, M.C. Hirschi, R.A. Cooke, and P.K. Kalita. 2001. There is not always surface runoff and sediment transport. Proc. of the International Symposium "Soil Erosion Research for the 21st Century", Honolulu, HI, 3-5 January 2001, ASAE, St. Joseph, MI, pp: 575-578.
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193. Kalita, P.K. and R.S. Kanwar. 1989. Chemical movement and yield response to water table management. Paper presented at the ASAE International Winter Meeting, New Orleans, Louisiana. ASAE Paper No. 89-2680.
194. Kanwar, R.S. and P.K. Kalita. 1989. Relationship between subsurface drainage flow rates and rainfall. Paper presented at the ASAE Mid-Central Meeting, St.Joseph, MO. ASAE Paper No. MCR-89-108.
195. Kanwar, R.S., S.W. Melvin, P.K. Kalita, and D.G. Baker. 1989. A subirrigation system for nutrient and water table management. Paper presented at the ASAE International Winter Meeting, New Orleans, Louisiana. ASAE Paper No. 89-2578.

e. Teaching Related papers and presentations:

196. Hahn, L.K. and P.K. Kalita. 2016. Building Global Agricultural Perspectives: Learning Outcomes of a Project Abroad. Abstract submitted for the 2016 NACTA annual conference
197. Lee, Soo-Yeun, P.K. Kalita, K. Graber, and L. Kramer. Novel education abroad experience via advanced seminar course structure. Abstract submitted for the 2016 NACTA annual conference
198. Bo-Linn, C., W. Hurley and P.K.Kalita. 2011. On the road to SOTL: Strategies to enhance faculty engagement in scholarly teaching. Workshop presented at the International Society for the Scholarship of Teaching and Learning, Milwaukee, WI, October 20-23, 2011.
199. Bo-Linn, C., W. Hurley and P.K.Kalita. 2009. Empowering student creativity and critical thinking through the inquiry process. FEATURED workshop presented at the International Society for the Scholarship of Teaching and Learning, Bloomington, Indiana, October 22-25, 2009.
200. Kalita, P.K, W.H. Hurley, K. C. Graber, and C. Bo-Linn. 2009. Undergraduate research: Acquiring knowledge, skills, and experiences through highly innovative curriculum. Panel presented at the

International Society for the Scholarship of Teaching and Learning, Bloomington, Indiana, October 22-25, 2009.

201. Hurley, W. and P. K. Kalita. 2008. Undergraduates Engaging in Inquiry, poster presented at UIUC All-Campus Teaching Retreat, 1/31/08. See: <https://www.ideals.uiuc.edu/handle/2142/9621>
202. Hurley, W. and P. K. Kalita. 2008. Engaging Undergraduates in Inquiry, concurrent session presented at UIUC All-Campus Teaching Retreat, 1/31/08.
203. Bo-Linn, C., W. Hurley, and P. K. Kalita. 2008. Inquiry as a Path to Critical Thinking: What Can Inquiry Look Like and What are Ways to Develop It? Presented at the meeting of International Society for the Scholarship of Teaching and Learning, Edmonton, Alberta, Canada, October, 2008.
204. Hansen, A., L. Hahn, and P.K. Kalita. 2008. Learning outcome assessment for project-based study abroad programs in developing countries. Paper presented at the 2008 NACTA Conference, Logan, Utah, June, 10-13, 2008.
205. Kalita, P.K. 2006. Learning in Diverse Classrooms - Keynote Speaker at the North Central Academic Leadership Workshop held at the Purdue University campus on 18 May 2006.
206. Kalita, P.K., S. Goss-Lucas, and L. Hahn. 2006. Active Learning: WWW (What-Why-When) and How, concurrent session presented at 2006 UIUC All-Campus Teaching Retreat.
207. Banwart, W. L., R. V. Watkins, P.K. Kalita, and K. Elliott. 2006. Undergraduate Research. Poster presented at the Academic Leadership Summit, National Academy of Sciences, Washington, D.C., October 3-5, 2006.
208. Hansen, A.C. and P. K. Kalita, 2003. An autonomous robot design challenge for the WYSE program. Paper presented at the ASABE Annual International Meeting, Las Vegas, NV.
209. Kalita, P.K. 2003. Positioning our students in the global workplaces - Keynote speaker at the regional IAESTE (International Association for Exchange of Students for Technical Experience) conference hosted by the UIUC student chapter in Urbana.
210. Hansen, A.C., P. Kalita, P.W.L. Lyne, and L.E. Bode, 2002. Introducing engineering design concepts with a micro steam car project. Proc. Annual Intl. Conference of American Society for Engineering Education. Montreal, Canada. 11 pp.
211. Kalita, P.K., M.D. Schrock, and J.K. Koelliker. 1998. Project/design based courses: teamwork in the engineering classroom. Paper presented at the ASEE Midwest Conference, Salina, Kansas (electronic publication), April 8-10, 1998.
212. Kalita, P.K. 1997. Innovative approaches in teaching a new Non-point Pollution Engineering course. In Proc. of the ASEE Midwest Conference (electronic publication), Columbia, MO, April 4-6, 1997.

10. Invited Lectures:

1. Invited Speaker: Food Security and Water – Global Perspectives, Khon Kaen University, Thailand, October 15, 2019

2. Invited Speaker: Developing Management Strategies for a Sustainable Rice Production under Climate Change and Water Scarcity Scenarios, Tsukuba University, Japan, May 6, 2019
3. Invited Speaker: Water Resources and Food Security as affected by climate change, Technion University, Israel, March 4, 2019
4. Invited Speaker: Water resources management for crop production to feed the growing population. 1st Latin American Conference on Sustainable Developments in Energy, Water, and Environmental Systems. Rio De Janeiro, Brazil, January 29-31, 2018.
5. Invited Speaker: Food Loss and Waste Prevention- Best Practices. American Society of Cereal Chemists Annual Meeting, San Diego, CA. October 2017
6. Keynote & Plenary speaker: Food Security- Role of Higher Education Systems in Developing Countries. Njala University, Sierra Leone, March 21, 2017
7. Keynote speaker: Multi-stakeholders Approach in Solving Global Postharvest Losses. 16th Euro Global Summit on Foods & Beverages- *Exploring Recent Advancement in Food and Beverages*; Amsterdam, The Netherlands, March 2-4, 2017
8. Keynote Speaker: Building Partnership with Private Industries for Food Security. Forum for Future, Singapore, November 29, 2016
9. Invited Lightning Presentation and Panel of the Opening Plenary of the GODAN (Global Open Data in Agriculture and Nutrition) Summit, New York, NY, September 15, 2016
10. Invited speaker: Postharvest Loss Prevention. Monsanto Annual Technological Conference (TCM), St. Louis, MO, June 9, 2016
11. Distinguished Lecture: Postharvest Loss Prevention- Global initiatives. Borlaug Institute, Texas A& M University, March 2, 2016
12. Invited Presentation: Rice Postharvest Loss Prevention. GEAPS Exchange, Austin, TX, Feb 29, 2016
13. Keynote Presentation: Global Postharvest Loss Prevention- Multistakeholder Perspectives. International Congress on Postharvest Loss Prevention. October, 2015, Rome Italy.
14. Invited Lecture, Bangladesh Agricultural University at Mymensingh, January 2015
15. Keynote Presentation, Corn Technology Conference, Mumbai, India: January 19-21, 2015
16. Invited Lecture, The Food Systems for Food Security Symposium, University of Illinois at Urbana-Champaign: February 10, 2015
17. Invited Lecture, University Federal Vicosa, and University of Sao Paulo, March, 2015
18. Keynote Presentation, The 23rd Annual University of Arkansas Rice Processing Program Industry Alliance Meeting, Arkansas: May 20-21, 2015
19. Keynote Presentation, 5th Euro-Global Summit and Expo on Food & Beverages, Alicante, Spain: June 16-18, 2015

20. SCP Canadian Food Security & Developments in Agriculture, University of Illinois at Urbana-Champaign: September 28, 2015
21. Invited Lecture, On-site training for State Administration of Grain (SAG) in China on the topic of “Food loss and waste reduction”: December 10, 2014
22. Keynote Presentation, The First International Congress on Postharvest Loss Prevention, Rome, Italy: October 4-7, 2015
23. Invited speaker on developing global work force in Myanmar, February 2014
24. Invited speaker at the workshop on “building collaboration for excellence in higher education” in Guwahati, India (funded by the USAID), January 2014
25. Invited speaker at the International Water Forum, New Delhi, India, 2013
26. Invited speaker at the International Water Forum (French Consulate in Chicago), Chicago, 2013
27. Invited Speaker at National Center for Agricultural Research and Education, Amman, Jordan, 2012
28. Invited Speaker at Water and Livelihood Initiative (WLI) meeting, Cairo, Egypt, 2012
29. Invited speaker at Delhi, India 2012 on Water and Education
30. Invited Speaker at Njala University, Sierra Leone, 2012 - on Water and Education
31. Invited Speaker at ICAR, New Delhi, India 2011 on Water and Education
32. Invited Speaker in France, 2011 on Water and Education
33. Invited Speaker in Chicago (Consulate General of India), 2011 on Water in India
34. Invited Speaker in Louisville, TN 2011 on Water and Education
35. Distinguished Guest Speaker at Tsukuba University, Japan, 24-27 February, 2011.
36. Invited guest speaker at the multidisciplinary water research focal point program, October 22, 2010, Water Campus-UIUC.
37. Invited speaker at the GB Pant University, India, 5-6 October, 2010: Water resources and water quality-global perspective.
38. Invited Speaker at National Taiwan University, May 2008: Modeling and monitoring of watershed water quality in large watersheds.
39. Invited Speaker at the International Conference – The 21st Century Challenge to Sustainable Agri-Food systems: Biotechnology, Environment, Nutrition, Trade and Policy, 15-17 March, 2007, Bangalore, India. Title: Controlling pathogen and nutrient pollution in surface water with vegetative filter strips.

40. Invited Speaker at the Onsite Wastewater Treatment Conference 2007. Sponsored by the Illinois Association of Local Environmental Health Administrators, January 18-19, Peoria, Illinois. Title: Soil Drainage.
41. Keynote Speaker at the North Central Academic Leadership Workshop. 2006. Title "Learning in Diverse Classrooms", Purdue University, IN, May 18, 2006.
42. Featured as a University Model Teacher by the UIUC Center for Teaching Excellence online at <http://www.cte.uiuc.edu/Did/Resources/PreviousTeachingTips.htm>, online "Current Teaching Tips", 2006.
43. Invited Speaker at the 2006 University of Illinois Annual Faculty Retreat on Active Learning. Title "Active Learning: WWW (What-Why-When) and How", February 10, 2006.
44. Invited Speaker at the MTERM (Modeling Tools for Environment and Resources Management) International Conference, Asian Institute of Technology, Bangkok, Thailand, June 6-10, 2005. Title: Modeling phosphorus transport in a river under unsteady flow conditions.
45. Invited Speaker at the International Conference on Hydro-Science and Engineering, Brisbane, Australia, May 31-June 3, 2004. Title: Chemical transport through subsurface drains in a flat subsurface drained watershed.
46. Invited Speaker at the 2004 Watershed Heroes Conference and National EcoTeam Competition, June 21-23, 2004 Waco, Texas. Title: Crypto removal through the use of biological filters.
47. Invited Speaker at the 2003 Watershed Heroes Conference and National EcoTeam Competition, June 18-20, St. Peter, MN. Title: Crypto retention in filter strips.
48. Invited speaker at the Special Conference on Non-point Source Effects on Water Quality, ASAE Annual International Meeting, Sacramento, CA, July 31, 2001; Title: Overland and near-surface transport of *Cryptosporidium parvum*.
49. Invited Speaker at the Illinois Association of Drainage District (IADD) Annual Meeting, Bloomington, IL, January 26, 2001. Title: Drainage opportunities and obligations.
50. Invited Speaker at the Illinois Association of Drainage District (IADD) Board Meeting, Champaign, IL, June 14, 2001. Title: Water quality and land drainage.
51. Invited Speaker at the 2000 Environmental Horizon, University of Illinois, Urbana, IL, March, 2000; Title: Microbial pathogen and nutrient reduction from polluted runoff and soil by vegetative covers.
52. Invited Speaker at the Hydraulic Engineering Luncheon, Illinois State Water Survey, Champaign, IL, February 17, 2000; Title: WEPP model and its application to Military Training Lands.
53. Invited Speaker at the US EPA Workshop on Overland Migration of *Cryptosporidium*, Piscataway, New Jersey, September 20-23, 1999; Title: Microorganism and nutrient transport through vegetative filter strips.
54. Invited lecture at the International Conference on Engineering in Agriculture, Perth, Australia, Sep 27-30, 1998; Title: Emerging issue: Using vegetation for improving environmental quality.

55. Invited lecture at the International Agricultural Engineering Conference, Pune, India, December 8-12, 1996; Title: Identifying best management practices to reduce non-point pollution from a watershed using AGNPS model.

11. Grants, contracts and gifts received for research, teaching and outreach

Total Funds obtained: \$35.66 Million (PI=\$13.05 M; CO-PI: \$12.61 M; Admin/Director = \$10 M)

12. Graduate Student/Post-doc Research Advising

(a) Ph.D. and MS Degrees Granted = 48

(b) Post-doctoral Associate and Visiting Scientists supervised: Total Numbers= 13

13. Editorship of Journals or other Learned Publications:

Task-Force Member, 2018: Chicago Council on Global Affairs- Global Food Security Program

Task-Force Member, 2018: CAST Issue paper: Food Loss and Waste

Editorial Board Member: EC Nutrition- Open access journal ECRONICON, 2017- present

Editor-in-Chief, 2009-12: Journal of Spatial Hydrology

Associate Editor, 2006-2008 *Transactions of the ASAE*,

Associate Editor, 2006-2008 *Applied Engineering in Agriculture*

14. Other Scholarly Activities (conferences organized or chaired, etc.)

Conferences organized:

1. Organizing Committee member: Global Water Security Conference organized by the ASABE in Hyderabad, India, October 2018.
2. Organizing Committee Member: 3rd International Conference on Agriculture and Food Science, Bangkok, Thailand, November 2018.
3. Presidents United to Solve Hunger (PUSH) Conference, Co-Chair, March 15-17, 2018
4. Development Committee Chair: First Food Security Conference organized by the ASABE in Stellenbosch, South Africa, October 2016
5. Conference Chair: First International Congress on Postharvest Loss Prevention. Rome, Italy, 2015
6. Technical Workshop Chair- International Workshop on Teaching Enhancement, New Delhi, 2012
7. Conference Co-Chair, September 17-20, 2011. International Erosion Research Conference, Alaska
8. Organizing Committee Member – US-French Conference on Water, 2010 May 10-13, Indiana
9. Conference Program Committee Chair, 2007 Annual NACTA Conference, Champaign, IL, 2007.
10. Conference Committee Member, International Conference on Hydrosience and Engineering, Philadelphia, PA, September 10-13, 2006

11. Organizing Committee Member, AWRA (American Water Resources Association) Specialty Conference on Hydrology and Watersheds, Kansas City, MO, May 10-14, 2003.
12. Organizing Committee Member and Chairman of Paper Presentations, International Soil Erosion Symposium (ASAE Sponsored), Honolulu, Hawaii, January 4-8, 2001.
13. Organizing Committee Member and Chairman of the Students Activities, ASAE Mid Central Meeting, St. Joseph, MO, 1999.
14. Organizer of the ABET Workshop, ASAE Mid Central Meeting, St. Joseph, MO, 1999
15. Organizer of the Technical Workshop on Distance Education, ASAE Mid Central Meeting, St. Joseph, MO, April 1998.
16. Chairman, Environment and Biosystems Program, International Agricultural Engineering Conference, Perth, Australia, September 1998.

15. Service

1. Professional Society (*list membership; offices held, with dates, major committees or boards*)

(a) Memberships

Member, American Society of Agricultural and Biological Engineers (ASABE)

Member, American Society for Engineering Education (ASEE)

Member, American Geophysical Union (AGU)

Member, National Association of Colleges and Teachers of Agriculture (NACTA)

(b) Offices held with dates

Editor-in-Chief, Journal of Spatial Hydrology, 2009-12

Associate Editor, (1) *Transactions of The ASAE* and (2) *Applied Engineering in Agriculture*, 2006-2008

ASABE Meetings Council, 2019-present

Chair, ASABE International 2050 Committee, 2019-present

AGU –Honors and Recognition Policy Committee 2010-2015

NACTA Executive Committee member, 2008-2012

NACTA Teacher Recognition Committee Chair, 2008-2012

ASABE District 3 (IL, IA, MO, NE, KS, WI, MN) Representative, 2004-2006

ASABE Membership Development Council Member, 2004-2006

ASABE SW-01- Executive Committee Member, 2003-2007

ASABE SW-02- Steering Committee Member, 2003-2007

ASABE SW-04- Program Committee Member, 2003-2007

ASABE SW-09-Forward Planning Committee Member, 2003-2007

Chair, ASABE SW 22 Erosion Control Group, 2005-2007

Vice-Chair, ASABE SW 22 Erosion Control Group, 2003-2005

Chair, ASABE SW-223 Erosion Control Research Committee 2001-2003

Vice-Chair, ASABE SW 223 Erosion Control Research Committee, 1999-2001

Member of the ASABE SW-21- Hydrology Group, 1996-present

Member of the ASABE SW-243- Irrigation Water Supply & Conveyance Committee, 1994-present

Member of the ASABE SW-232-Water Table Management in Humid Regions, 1999-present.

Secretary and Treasurer, ASABE Central Illinois Section, 2001- 2003

Vice-Chair, ASABE Central Illinois Section, 2003- 2004
Chair, ASABE Central Illinois Section, 2004- 2005
Member, NACTA Teacher Recognition Committee, 2006-present

2. University (*department, college and campus committees, administration, etc.*)

At Kansas State University

Governing Board Member - Natural Resources/ Environmental Sciences Major Program, 1996-1999
Member, Morris K. Udall Scholarship Selection Committee, 1996-1999
Member, College of Agriculture Placement Committee, 1997-1999
Member, College of Engineering Honors Advisory Committee, 1996-1999
Member, Water and Future of Kansas Planning Committee, 1995-1999
Member- College of Engineering Summer Science Institutes and Scholarship Days, 1995-1999.
Advisor, ASABE Student Branch, 1995-1998
Director, Honors Research Program of the BAE Department, 1996-1999
Member, Course & Curriculum Committee of BAE Department, 1996-1999
Member, Graduate Committee of the BAE Department, 1996-1999
Member, Natural Resources Technical Committee of the BAE Department, 1994-1999
Member, Student Recruitment & Publicity Committee of the BAE Department, 1996-1999

At the University of Illinois

Chair, Senate Committee on Honorary Degree, University of Illinois at Urbana-Champaign, 2020
Elected Member, University Senate Conference (USC), University of Illinois, 2013-2019
Member, Academic Affairs & Research Committee, USC, U of Illinois, 2015-2019
Member, Food Security Task Force, University of Illinois at Urbana Champaign, 2017-18
Chair, Search Committee for the Associate Dean of Research, College of ACES, 2017-18
Member, UIUC Campus Budget Review Committee, 2016-17
Chair, Committee on Committees, UIUC Academic Senate, 2012-2016
Member, Hospital & Health Affairs Committee, USC, 2013-2015
Member, Search Committee for Associate Chancellor, UIUC, 2016
Member, Search Committee for the Director of Campus Honors Living & Learning, 2015-16
Chair, Committee on Race and Ethnicity (CORE), University of Illinois (appointed by the
Chancellor), 2011-2014
Member, Senate Executive Committee (SEC), UIUC Academic Senate, 2012-2016
Member-UIUC Academic Senate, 2011-2016, 2020-22
Member-Educational Policy Committee, UIUC Senate, 2011-2013
Member-Committee on Committees, UIUC Senate, 2011-2016
Co-Chair, Teaching Advancement Board, University of Illinois, 2010-11
Member, Teaching Advancement Board, University of Illinois, 2006-2012
Chair, College of ACES Administrator Evaluation Committee, 2010-11
Chair, College of Engineering Grievance Committee, 2010-11
Chair, University Advisory Committee for Study Abroad Programs, 2004-2009
Chair, Campus Task Force on Aligning Academic Support for Impact (appt. by the Provost), 2007-2008
Chair, College of ACES Advancement Policy Committee, 2009-2010
Chair, ABE Department Recruiting and Public Relations Committee, 2001-present
Chair, ABE Department Awards Committee, UIUC, 2008-present (member since 2003)
Chair, Library Subcommittee, College of ACES , 2000-2001
Chair, Teaching Evaluation & Improvement Subcommittee, College of Engineering , 2000-2001
Member, College of ACES Executive Committee, 2010-2012
Member, College of Engineering Executive Committee, 2009-2015

Member, College of ACES Promotion & Tenure Committee, 2011-13
 Member, College of ACES Administrator Evaluation Committee, 2008-2011
 Member, College of ACES Advancement Office Review Committee, 2010
 Member, Provost Advisory Group (appointed by the Provost) 2008- 2012
 Member, Provost Search Committee, 2009
 Member, College of Engineering Grievance Committee, 2009-11
 Member, Registration and Student Advisement Committee, College of Engineering, 2003-present
 Member, International Study Abroad Program Committee, College of ACES, 2000-2016
 Member, Teaching Evaluation & Improvement Subcommittee, College of Engineering , 2000-2003
 Member, Administrative Committee, ABE Department UIUC, 2008-2016
 Member, Graduate Committee, ABE Department, UIUC, 2008-2016
 Focal Point, Water and Livelihood Initiative for the Middle-East Countries, UIUC 2009-2015
 Member, Water and Future Committee (appointed by deans of the colleges of ACES and Engg), 2009
 Member of the Academy of Teaching Excellence, College of ACES, UIUC, 2003-2009, 2010-2013
 Appointed Task Force Member for Internal Culture of the College of ACES, UIUC, 2003-2004
 Member, College of ACES Advancement Policy Committee, 2003-2010
 Member, Community College Liaison Committee, College of Engineering, 2003-2016
 Member, Intradepartmental Advisory Committee, ABE Department, 2002-2004, 2006-2008
 Member, ABET Task Force Committee, ABE Department, 2001-2016
 Member, Search Committee for Food Science and Human Nutrition –Journal Editor, UIUC, 2009
 Member, ABE Department Head Search Committee, 2003-2004
 Member, ABE Biological Engineering Faculty Search Committee, 2005
 Member, UIUC-CEE Department -ICT Outreach Coordinator Search Committee, 2010
 Member, College of ACES –Assistant Director of Marketing Search Committee, 2010-11
 Member, College of Engineering – Director of Communications Search Committee, 2011-12
 Member, College of ACES – Grant Writer Specialist Search Committee, 2012
 Member, University IT Governance Security and Privacy Subcommittee, 2012-13
 Member, MOOC Review Committee (appointed by the provost), 2012-14
 Member, Search Committee for the Director of NCSA, University of Illinois, 2012-13
 Member, Search Committee for the Dean, College of ACES, 2014
 Chair, Search Committee for ABE Faculty Search, College of ACES, 2013-14.

3. Public (*government commissions or panels, community, industrial extension, etc.*)

Invited by the National Academy of Sciences to participate and provide input at “the Leadership Summit to Effect Change in Teaching and Learning”, National Academy of Sciences, Washington, D.C., October 3-5, 2006.
 Selected and Invited by the USDA as a Water Management Specialist for the Agricultural Knowledge Initiative (AKI) Program with the Government of India, participated as a panel member for Joint US-India Water Management Workshop, Delhi, India, September 17-23, 2006.
 Panelist, USDA-Bioenergy Education Grant Program, 2010
 Panelist, USDA-TSTAR-Soil-Water-Environment Research Grant Review Panel, 2005, 2006, 2007
 Invited to participate in the US-EPA STAR Proposal Review Panel, 2004, 2007, 2010
 Panelist, US EPA Research Grant Review Panel, 2002 -2016
 Panelist, National Science Foundation – Hydrology Division, 1999-present
 Panelist, National Science Foundation – Information Technology Division, 2001, 2002
 Panelist, US EPA Critical National Research Needs Panel, 1999
 Technical Reviewer of Research Grant Proposals – USDA, NSF, USGS, USEPA, 1996-2016
 Technical Consultant- Citizen Management Committee, Cheney Lake Watershed, Kansas, 1996-2004
 Technical Consultant – Watershed Board, Horseshoe Creek Watershed, Kansas, 1997-1999