

- 2015 Outstanding Faculty Teaching Award, Department of Geography, University of Tennessee, Knoxville, Tennessee
- 2015 Professional Development Award, University of Tennessee, Knoxville, Tennessee
- 2014 SARIF Open Publishing Support Award, University of Tennessee, Knoxville, Tennessee
- 2013 SEC Visiting Faculty Travel Award, University of Tennessee, Knoxville, Tennessee
- 2011 SARIF Award, University of Tennessee, Knoxville, Tennessee
- 2011 Grant Writing Institute Award, University of Tennessee, Knoxville, Tennessee
- 2011 Professional Development Award, University of Tennessee, Knoxville, Tennessee
- 2007 Summer Research Fellow, University of Missouri, Columbia, Missouri
- 1998 Science and Technology Progress Award, Qinghai Province, China

IV. RESEARCH

A. Publications

- 2021 Tian, J., Li, H., **Li, Y.**, Liao, C., Ma, W., Xu, Y. Feasibility of terrestrial laser scanning for quantification of vegetation structure parameters of restored sandy land in the southern Qinghai–Tibetan Plateau. *Land Degradation and Development* 32(4), 1667-1679. doi:10.1002/ldr.3784
- 2021 Qureshi, M. A., **Li, Y.** (corresponding author), Yi, C., Xu, X. Glacial changes in the Hunza Basin, western Karakoram, since the Little Ice Age. *Palaeogeography, Palaeoclimatology, Palaeoecology* 562. doi:10.1016/j.palaeo.2020.110086.
- 2021 Shen, M., Wang, S., **Li, Y.** (corresponding author), Tang, M., Ma, Y. Pattern of Turbidity Change in the Middle Reaches of the Yarlung Zangbo River, Southern Tibetan Plateau, from 2007 to 2017. *Remote Sensing* 13(2), 25 pages. doi:10.3390/rs13020182.
- 2021 Zhang, J., Hu, Q., **Li, Y.**, Li, H., Li, J. Area, lake-level and volume variations of typical lakes on the Tibetan Plateau and their response to climate change, 1972-2019. *Geo-spatial Information Science*. doi:10.1080/10095020.2021.1940318.
- 2020 Wei, B., Su, G., **Li, Y.** Evaluating the cognition and response of middle/high school students to earthquake—a case study from the 2013 Mw6.6 Lushan earthquake-hit area, China. *International Journal of Disaster Risk Reduction* 51. doi:10.1016/j.ijdrr.2020.101825.
- 2020 Rabby, Y. W., **Li, Y.** Landslide susceptibility mapping using integrated methods: A case study in the chittagong hilly areas, bangladesh. *Geosciences* 10(12), 1-26. doi:10.3390/geosciences10120483.
- 2020 **Li, Y.**, McNelis, J. J., Washington-Allen, R. A. Quantifying short-term erosion and deposition in an active gully using terrestrial laser scanning: a case study from west Tennessee, USA. *Frontiers in Earth Science* 8. doi:10.3389/feart.2020.587999.
- 2020 Peng, X., Chen, Y., **Li, Y.**, Liu, B., Liu, Q., Yang, W., Liu, G.. Late Holocene glacier fluctuations in the Bhutanese Himalaya. *Global and Planetary Change* 187. doi:10.1016/j.gloplacha.2020.103137.
- 2020 Rabby, Y. W., **Li, Y.** Landslide Inventory (2001-2017) of Chittagong Hilly Areas, Bangladesh. *Data* 5(1), 4. doi:10.20944/preprints201911.0269.v1.
- 2020 Chen, R.R., Zhou, S.Z., **Li, Y.K.**, Lai, Z.P., Ou, X.J., Lu, X.Y., Li, Y.N. Late Quaternary climate and environmental change derived from glacial deposits in the Parlung Zangbo Valley, southeastern Tibetan Plateau. *Physical Geography* 41(2), 99-125. doi:10.1080/02723646.2019.1590680.

- 2020 Liang, W., Abidi, M., Carrasco, L., McNelis, J., Tran, L., **Li, Y.**, Grant, J. 2020. Mapping Vegetation at Species Level with High-Resolution Multispectral and Lidar Data Over a Large Spatial Area: A Case Study with Kudzu. *Remote Sensing* 12(4), 18. doi:10.3390/rs12040609.
- 2020 Houser, C., Carbone, G., Lafon, C., **Li, Y.**, Mossa, J. Building on the legacy of Carol Harden. *Physical Geography* 41(1), 1-2. doi:10.1080/02723646.2020.1715623.
- 2019 Wei, B.Y., Su, G.W., **Li, Y.K.**, Ma, Y.L. Livelihood strategies of rural households in Ning'er earthquake-stricken areas, Yunnan province, China. *Sustainability* 11, 5905, doi: 10.3390/su11215905.
- 2019 Li, C., Meng, Y., **Li, Y.K.**, Ge, J.F., Zhao, C.R. Inter-metropolitan land-price characteristics and patterns in the Beijing-Tianjin-Hebei urban agglomeration in China. *Sustainability* 11, 4726, doi: 10.3390/su11174726.
- 2019 Shannon, J.C., Moore, D., **Li, Y.K.**, Olsen, C. LiDAR-based sinkhole detection and mapping in Knox County, Tennessee," *Pursuit - The Journal of Undergraduate Research at the University of Tennessee*. 9(1), Article 3. <https://trace.tennessee.edu/pursuit/vol9/iss1/3>.
- 2019 Su, J.Y., **Li, Y.K.**, Hu, Q.W. A new spectral-spatial jointed hyperspectral image classification approach based on fractal dimension analysis. *Fractals*. <https://doi.org/10.1142/S0218348X19500798>.
- 2019 Li, H.D., Gao, J.X., Hu, Q.W., **Li, Y.K.**, Tian, J.R., Liao, C.R., Ma, W.B., Xu, Y.N. Assessing revegetation effectiveness on an extremely degraded grassland, southern Qinghai-Tibetan Plateau, using terrestrial LiDAR and field data. *Agriculture, Ecosystems and Environment* 282, 13-22. <https://doi.org/10.1016/j.agee.2019.05.013>.
- 2019 Potter, R., **Li, Y.K.** (corresponding author), Horn, S., Orvis, K.H. Cosmogenic Cl-36 surface exposure dating of late Quaternary glacial events in the Cordillera de Talamanca, Costa Rica. *Quaternary Research* 92(1), 216-231. <https://doi.org/10.1017/qua.2018.133>.
- 2019 Norton, E., **Li, Y.K.** (corresponding author), Mason, L.R., Washington-Allen, R.A. Assessing the impact of a geospatial data collection app on student engagement in environmental education. *Education Sciences* 9(2), 118. <https://doi.org/10.3390/educsci9020118>.
- 2019 Liao, C.R., Liu, B.C., Xu, Y.N., **Li, Y.K.**, Li, H.D. Effect of topography and protecting barriers on revegetation of sandy land, Southern Tibetan Plateau. *Scientific Reports* 9: 6501. <https://doi.org/10.1038/s41598-019-43034-8>.
- 2019 Rabby, Y.W., **Li, Y.K.** An integrated approach to map landslides in Chittagong Hilly Areas, Bangladesh, using Google Earth and field mapping. *Landslides* 16, 633–645. doi: 10.1007/s10346-018-1107-9.
- 2019 Lu, X.Y., **Li, Y.K.** (corresponding author), Washington-Allen, R., Li, Y.N. Structural and sedimentological connectivity on a rilled hillslope. *Science of the Total Environment* 655, 1479-1494. <https://doi.org/10.1016/j.scitotenv.2018.11.137>.
- 2019 **Li, Y.K.**, Tische, T., Horn, S., Li, Y.N., Chen, R., Orvis, K.H. Mapping glacial landforms on the Chirripó Massif, Costa Rica, based on Google Earth, a digital elevation model, and field observations. *Revista Geológica de America Central*. 60, 101-114. doi: 10.15517/rgac.v2019i60.36465.
- 2019 Zhang, Z., Ullah, I., Wang, Z., Ma, P., Zhao, Y., Xia, X., **Li, Y.K.** Reconstruction of temperature for the past 400 years in the southern margin of the Taklimakan Desert based on carbon isotope fractionation of Tamarix leaves. *Applied Ecology and Environmental Research* 17(1), 271-284. http://dx.doi.org/10.15666/aeer/1701_271284.

- 2019 Peng, X., Chen, Y., Liu, G., Liu, B., **Li, Y.K.**, Liu, Q., Han, Y., Yang, W., Cui, Z. Late Quaternary glaciations in the Cogarbu Valley, Bhutanese Himalaya. *Journal of Quaternary Science* 34, 40-50. doi: <https://doi.org/10.1002/jqs.3079>.
- 2018 **Li, Y.K.** Determining topographic shielding from digital elevation models for cosmogenic nuclide analysis: a GIS model for discrete sample sites. *Journal of Mountain Science* 15(5), 939-947. doi: 10.1007/s11629-018-4895-4.
- 2018 Chen, Y.X., **Li, Y.K.** (corresponding author), Zhang, M., Cui, Z.J., Liu, G.N. Much late onset of Quaternary glaciations on the Tibetan Plateau: determining the age of the Shishapangma Glaciation using cosmogenic ^{26}Al and ^{10}Be dating. *Science Bulletin* 63(5), 306-313. doi: 10.1016/j.scib.2018.01.020.
- 2018 Liu, J.H., Yi, C.L., **Li, Y.K.** Reconstruction of the Neoglacial glacier in the Qiangyong Valley, Mt. Kalxung, South Tibet. *Quaternary Sciences* 38(2), 348-354.
- 2017 Li, H.D., Gao, Y.Y., **Li, Y.K.**, Yan, S.G., Xu, Y.Y. Dynamic of Dalinor lakes in the Inner Mongolian Plateau and its driving factors during 1976-2015. *Water* 9, 749. doi: 10.3390/w9100749.
- 2017 Lu, X.Y., **Li, Y.K.**, Washington-Allen, R.A., Li, Y.N., Li, H.D., Hu, Q.W. The effect of grid size on the quantification of erosion, deposition, and rill network. *International Soil and Water Conservation Research* 5(3), 241-251. <https://doi.org/10.1016/j.iswcr.2017.06.002>.
- 2017 Liu, J.H., Yi, C.L., **Li, Y.K.** (corresponding author), Bi, W.L., Zhang, Q., Hu, G. Glacial fluctuations around the Karola Pass, eastern Lhagoi Kangri Range, since the Last Glacial Maximum. *Journal of Quaternary Science* 32(4), 516-527. doi: 10.1002/jqs.2946.
- 2017 Qureshi, M.A., Yi, C.L., Xu, X.K., **Li, Y.K.** Glacier status during the period 1973–2014 in the Hunza Basin, Western Karakoram. *Quaternary International*. doi: 10.1016/j.quaint.2016.08.029.
- 2017 Li, Y.N., **Li, Y.K.**, Lu, X.Y., Harbor, J. Geomorphometric controls on mountain glacier changes since the Little Ice Age in the eastern Tien Shan, Central Asia. *Annals of the Association of American Geographers* 107(2), 284-298. doi: <http://dx.doi.org/10.1080/24694452.2016.1248552>.
- 2016 Li, H.D., **Li, Y.K.**, Gao, Y.Y., Zou, C.X., Yan, S.G., Gao, J.X. Human impact on vegetation dynamics around Lhasa, southern Tibetan Plateau, China. *Sustainability* 8, 1146. doi:10.3390/su8111146.
- 2016 Zhang, M., Chen, Y.X., **Li, Y.K.**, Liu, G.N. Late Quaternary glacial history of the Nalati Range, central Tian Shan, China, investigated using ^{10}Be surface exposure dating. *Journal of Quaternary Science* 31(7), 659-670. doi: 10.1002/jqs.2891.
- 2016 **Li, Y.K.**, Urban, M.A. Water resource variability and climate change. *Water* 8, 348. doi: 10.3390/w8080348.
- 2016 Li, Y.N., **Li, Y.K.** (corresponding author), Harbor, J., Liu, G.N., Yi, C.L., Caffee, M. Cosmogenic ^{10}Be constraints on Little Ice Age glacial advances in the eastern Tian Shan, China. *Quaternary Science Reviews* 138, 105-118. doi: 10.1016/j.quascirev.2016.02.023.
- 2016 Li, Y.N., **Li, Y.K.** (corresponding author), Chen, Y.X., Lu, X.Y. Presumed Little Ice Age glacial extent in the eastern Tian Shan, China. *Journal of Maps* 12(sup1), 71-78. doi: <http://dx.doi.org/10.1080/17445647.2016.1158595>.
- 2016 Li, H.D., Jiang, J., Chen, B., **Li, Y.K.**, Xu, Y.Y., Shen, W.S. Pattern of NDVI-based vegetation greening along altitudinal gradient in the Eastern Himalayas and its response to global warming. *Environmental Monitoring and Assessment* 188(3), 186. doi: 10.1007/s10661-016-5196-4.

- 2016 Chen, R.R., Zhou, S.Z., **Li, Y.K.**, Deng, Y.B. Glacial geomorphology of the Parlung Zangbo Valley, southeastern Tibetan Plateau. *Journal of Maps* 12(5), 716-724. doi: 10.1080/17445647.2015.1069765.
- 2016 Yang, X.Y., Chen, L.G., Chen, L.Q., **Li, Y.K.** Accuracy assessment of ASTER GDEM based on land use types. *Journal of China University of Mining & Technology* 45(2), 377-385.
- 2015 Li, H.D., **Li, Y.K.** (corresponding author), Shen, W.S., Li, Y.N., Lin, J., Lu, X.Y., Xu, X., Jiang, J. Elevation-dependent vegetation greening of the Yarlung Zangbo River basin in the southern Tibetan Plateau, 1999-2013. *Remote Sensing* 7, 16,672-16,687. doi: 10.3390/rs7125844.
- 2015 Li, Q.T., Lu, L.L., Wang, C.Z., **Li, Y.K.**, Sui, Y., Guo, H.D. MODIS-derived spatiotemporal changes of major lake surface areas in arid Xinjiang, China, 2000-2014. *Water* 7(10), 5731-5751. doi: 10.3390/w7105731.
- 2015 Yang, X.Y., Chen, L.G., **Li, Y.K.**, Xi, W.J., Chen, L.Q. Rule-based land use/land cover classification in coastal areas using seasonal remote sensing imagery: a case study from Lianyungang City, China. *Environmental Monitoring and Assessment* 187(7), 449. doi: 10.1007/s10661-015-4667-3.
- 2015 **Li, Y.K.** Effects of analytical window and resolution on topographic relief derived using digital elevation models. *GIScience & Remote Sensing* 52(4), 462-477. doi: <http://dx.doi.org/10.1080/15481603.2015.1049577>.
- 2015 Chen, Y.X., **Li, Y.K.**, Wang, Y.Y., Zhang, M., Cui, Z.J., Yi, C.L., Liu, G.N. Late Quaternary glacial history of the Karlik Range, easternmost Tian Shan, derived from ¹⁰Be surface exposure and optically stimulated luminescence dating. *Quaternary Science Reviews* 115, 17-27. doi 10.1016/j.quascirev.2015.02.010.
- 2014 **Li, Y.K.**, Liao, J.J., Guo, H.D., Liu, Z.W., Shen, G.Z. Patterns and potential drivers of dramatic changes in Tibetan lakes, 1972-2010. *PLoS One* 9(11): e111890. doi: 10.1371/journal.pone.0111890.
- 2014 Zhu, C.H., **Li, Y.K.** (corresponding author). Long-term hydrological impacts of land use/land cover change from 1984 to 2010 in the Little River Watershed, Tennessee. *International Soil and Water Conservation Research* 2, 11-22. doi: 10.1016/S2095-6339(15)30002-2.
- 2014 Lifton, A., Beel, C., Hättestrand, C., Kassab, C., Rogozhina, I., Heermance, R., Oskin, M., Burbank, D., Blomdin, R., Gribenski, N., Caffee, M., Goehring, B.M., Heyman, J., Ivanov, M., Li, Y.N., **Li, Y.K.**, Petrakov, D., Usabaliev, R., Codilean, A.T., Chen, Y.X., Harbor, J., Stroeven, A.P. Constraints on the late Quaternary glacial history of the Inylchek and Sary-Dzaz valleys from in situ cosmogenic ¹⁰Be and ²⁶Al, eastern Kyrgyz Tian Shan. *Quaternary Science Reviews* 101, 77-90.
- 2014 **Li, Y.K.**, Liu, G.N., Chen, Y.X., Li, Y.N., Harbor, J., Stroeven, A.P., Caffee, M., Zhang, M., Li, C.C., Cui, Z.J. Timing and extent of Quaternary glaciations in the Tianger Range, eastern Tian Shan, China, investigated using ¹⁰Be surface exposure dating. *Quaternary Science Reviews* 98, 7-23. doi: 10.1016/j.quascirev.2014.05.009.
- 2014 **Li, Y.K.**, Li, D.W., Liu, G.N., Harbor, J., Caffee, M., Stroeven, A.P. Patterns of landscape evolution on the central and northern Tibetan Plateau investigated using in-situ produced ¹⁰Be concentrations from river sediments. *Earth and Planetary Science Letters* 398, 77-89. doi: 10.1016/j.epsl.2014.04.045.

- 2014 Li, Y.N., **Li, Y.K.** (corresponding author). Topographic and glaciological controls on glacier changes in the central Tien Shan, China, since the Little Ice Age. *Annals of Glaciology* 55(66), 177-186. doi: 10.3189/2014AoG66A031.
- 2014 Chen, L.G., Chen, L.Q., Yang, X.Y., Potter, R., **Li, Y.K.** A state-impact-state methodology for assessing environmental impact in land use planning. *Environmental Impact Assessment Review* 46, 1-12.
- 2014 Shen, G.Z., Liao, J.J., Guo, H.D., **Li, Y.K.** Study on the relationship between the lake area variations of Qinghai-Tibetan Plateau and the corresponding climate change in their basins. *IOP Conference Series: Earth and Environmental Science* 17(1), 012144.
- 2014 Sun, Z.C., Li, X.W., Fu, W.X., **Li, Y.K.**, Tang, D.S. Long-term effects of land use/land cover change on surface runoff in urban areas of Beijing, China. *Journal of Applied Remote Sensing* 8(1), 084596. doi: 10.1117/1.JRS.8.084596.
- 2014 Gautam, S., **Li, Y.K.**, Johnson, T.G. Do alternative spatial healthcare access measures tell the same story? *GeoJournal* 79(2), 223-235. doi: 10.1007/s10708-013-9483-0.
- 2014 Chen, L.G., **Li, Y.K.**, Chen, L.Q., Yang, X.Y. Spatial regulation zoning of Lianyungang City: a perspective from the ecological land-use management. *Journal of Basic Science and Engineering* 22(4), 685-697. doi: 10.3969/j.issn.1005-0930.2014.04.006.
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- 2013 **Li, Y.K.** Determining topographic shielding from digital elevation models for cosmogenic nuclide analysis: a GIS approach and field validation. *Journal of Mountain Science* 10, 355-362.
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- 2011 Heyman, J., Stroeven, A.P., Caffee, M.W., Hättestrand, C., Harbor, J., **Li, Y.K.**, Alexanderson, H., Zhou, L.P., Hubbard, A. Palaeoglaciology of Bayan Har Shan, NE Tibetan Plateau: Exposure ages reveal a missing LGM expansion. *Quaternary Science Reviews* 30, 1988-2001.
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- 2001 **Li, Y.K.**, Liu, G.N., Cui, Z.J. Longitudinal variations in cross-section morphology along a glacial valley: a case study from the Tien Shan, China. *Journal of Glaciology* 47, 243-250.
- 2001 Sun, S.P., **Li, Y.K.**, Xu, S.Y., Meng, X.J., Zhong, Z.D., 2001. Railway management and train position tracing system design and application. *Railway computer application* **9**, 25-27.

- 2001 **Li, Y.K.**, Ni, J.R., Yang, Q.K., Li, R. Multiple data integration based on the integrated information units. *Journal of Basic Science and Engineering* **9**(4), 320-329.
- 2001 Ni, J.R., **Li, Y.K.**, Fang, Y. Rapid assessment method for sediment related environments and disasters. *Journal of Natural Disaster* **10**(2), 19-24.
- 2001 Ni, J.R., **Li, Y.K.** Dynamic assessment for soil erosion based on land-use structure change. *Acta Geographica Sinica* **56**(5), 611-621.
- 2000 **Li, Y.K.**, Liu, G.N. The cross-section variation of glacial valley and its reflection to the glaciation. *Acta Geographica Sinica* **55**(2), 235-242.
- 2000 **Li, Y.K.**, Liu, G.N. Discussion on the cross section features of glacial valley. *Journal of Glaciology and Geocryology* **22**(2), 171-177.
- 2000 **Li, Y.K.**, Lv, X.Q., Li, J. Computer implementation method and optimization of map projection transformation among multi-projections. *Geography and Territorial Research* **16**(2), 79-84.
- 1999 Han, J., **Li, Y.K.**, Qu, X.H., Lv, X.Q. Algorithms of map data correction and its application and realization in GIS. *Journal of Basic Science and Engineering* **7**(4), 366-371.
- 1999 **Li, Y.K.**, Liu, G.N., Cui, Z.J. The morphological character and paleo-climate indication of the cross section of glacial valleys. *Journal of Basic Science and Engineering* **7**(2), 163-170.
- 1999 **Li, Y.K.** Discussion on the graduation character and its spatial distribution of glacial striae at the head of Urumqi River. *Journal of Basic Science and Engineering* **7**(4), 381-386.
- 1999 **Li, Y.K.** Research on the connotation and classification system of sediment disaster. *Youth Geographer* **10**(3), 81-84.

B. Books and Book Chapters

- 2020 **Li, Y.** GIS and Remote Sensing Applications in Geomorphology. In B. Warf (Ed.), *Oxford Bibliographies in Geography*. Oxford University Press.
- 2018 Tatum, L., Weiss, S., Mason, L. R., Norton, E., Thompson, J., Camponovo, M., Hathaway, J., **Li, Y.K.**, Washington-Allen, R., Sharma M. Youth empowerment through interdisciplinary outreach. In M. Powers & M. Rinkel (Eds.), *Social work promoting community and environmental sustainability: A workbook for global social workers and educators*, Volume 2 (pp. 200-210). Rheinfelden, Switzerland: International Federation of Social Workers.
- 2017 Li, Y.N., Lu, X.Y., **Li, Y.K.** A review of the Little Ice Age and factors to glacier changes in the Tian Shan, Central Asia. In: D. Godone, (Eds.) *Glaciers Evolution in a Changing World*. InTechOpen. ISBN 978-953-51-3544-9. doi: <http://dx.dio.org/10.5772/intechopen.70044>.
- 2016 **Li, Y.K.**, Urban, M.A. *Water Resource Variability and Climate Change*. MDPI Books, Pages: XVI, 378. Published: November 1, 2016, ISBN 978-3-03842-230-3 (PDF), 978-3-03842-244-0 (Hbk).
- 2009 **Li, Y.K.**, Harbor, J. *Cosmogenic Nuclides and Geomorphology: Theory, Limitations, and Applications*. In: D.M. Ferrari and A.R. Guiseppe (Eds), *Geomorphology and Plate Tectonics*. Nova Science Publishers, Inc., Hauppauge, NY. pp. 1-33.

C. Grants

- 2020-2023 **PI**, National Science Foundation of China, RMB 620,000 (\$88,500). *Reconstructing and simulating the pattern of Little Ice Age glacial advances on the central and northern Tibetan Plateau*. (grant no. 41971075). Co-Is: Jinhua Liu, Yanqing Liang.

- 2020 **PI**, University of Tennessee ORE's SARIF Summer GRA, \$3600. *Monitoring turbidity change of alpine rivers based on satellite imagery and in situ measurements.* Summer GRA for PhD student, Ming Shen
- 2019-2020 **PI**, Teaching & Learning Innovation Teaching Support Award, University of Tennessee. \$4950. *Incorporating Multispectral Sensor of Unmanned Aircraft System to Enhance Student Experiential Learning in Geospatial Analysis.*
- 2017-2018 **PI**, Tennessee Teaching and Learning Center Teaching for Impact grant, University of Tennessee. \$500.
- 2017 **PI**, Experience Learning Faculty/Staff/Student Support Initiatives Grant, University of Tennessee. \$2000. *Incorporating Unmanned Aerial Vehicle (UVA) to Enhance Student Experience Learning in Terrain Analysis.*
- 2016-2018 **Co-PI**, EPA Urban Water Small Grants, \$64,678. *Engaging the community and creating young scientists to restore nutrient-impacted Baker Creek.* PI: Jon Hathaway, other Co-PIs: Robert Washington-Allen, Madhuri Sharma, Lisa Reyes Mason.
- 2016-2017 **PI**, Institute of Earth Environment, Chinese Academy of Sciences, RMB 60,000 (\$9,200). *Cosmogenic nuclide dating of the oldest till on the northern Tibetan Plateau.*
- 2016-2017 **Participant/team member**, National Geographic Air and Water Conservation Fund, \$20,000. *Climate Change Risks to Water Resources and Adaptation from Three Plateau Lakes in China* (grant no. GEFC-12-16). PI: Haidong Li
- 2015 **Co-I**, ISSE, University of Tennessee, \$50,000. *Equipment Purchase: Inductively-coupled Plasma Optical Emission Spectrometry.* PI: John Schwartz, Co-PIs: Jon Hathaway and 13 others, including Yingkui Li.
- 2015 **PI**, Professional Development Award, University of Tennessee, \$1,500. *Constraining a chronology of high-frequency glacier fluctuations since the Last Glacial Maximum in the Karola Pass, southern Tibet.*
- 2014-2017 **U.S. collaborator**, National Science Foundation of China, RMB 950,000 (\$154,500). *Quaternary glaciation and environmental evolution at Himalayas of Yadong region* (grant no. 41371082). PI: Gengnian Liu.
- 2014-2016 **PI**, National Science Foundation of China, RMB 200,000 (\$32,500). *North-South Comparison of the Little Ice Age Glacial Advances on Eastern Tibetan Plateau.* (grant no. 41328001). Co-PI: Chaolu Yi.
- 2013-2017 **U.S. collaborator**, National Science Foundation of China, RMB 3,500,000 (\$569,100). *Coupling mechanism and processes between Quaternary glaciation and tectonic uplift in the Tibetan Plateau* (grant no. 41230743). PI: Zhijiu Cui.
- 2013-2015 **PI**, National Science Foundation, \$15,995. *Climate and Topographic Controls on Little Ice Age Glacial Advances.* (BCS-1303175). Co-PI: Yanan Li.
- 2013 **PI**, Southeastern Conference (SEC) Visiting Faculty Travel Grant support traveling to the University of Missouri for research activities. \$2,500.
- 2013 **Co-PI**, University of Tennessee, Initiative for Quaternary Paleoclimate Research (IQPR). \$40,000. PI: Horn S. Co-PIs: McKay L, Grissino-Mayer H, Li YK, Anderson D, Hulsey D, Classen AT.
- 2012-2015 **PI**, National Science Foundation, \$200,000. *Establishing a Chronology of Late Quaternary Glacial Advances in the Tropical American Cordillera.* (BCS-1227018). Co-PI: Sally Horn.

- 2012 **Co-PI**, University of Tennessee, *Initiative for Quaternary Paleoclimate Research (IQPR)*. \$50,000. PI: Horn S. Co-PIs: McKay L, Li ZH, Grissino-Mayer H, Li YK, Anderson D, Hulsey D, Classen AT, Tootle G.
- 2012-2014 **PI**, Center for Earth Observation and Digital Earth, Chinese Academy of Sciences, RMB 50,000 (\$8,000). *Impacts of Climate Change on inland lake-level fluctuations across the Tibetan Plateau since the 1970s.*
- 2011-2014 **U.S. collaborator**, National Science Foundation of China, RMB 280,000 (\$43,000). *Geomorphic sequence and chronology of glacial landforms on northern slopes of Mount Shishapangma, Northern Himalaya* (grant no. 41101003). PI: Yixin Chen.
- 2011-2012 **PI**, Professional Development Award, University of Tennessee, \$4,993. *Cosmogenic nuclide dating of past glacial advances in northern ShishaPangma, middle Himalaya.*
- 2011 **PI**, Scholarly Activity Research Incentive Fund, University of Tennessee, \$3,600. *Summer research assistantship to support graduate student (Zewen Liu) working with Tibetan Lake changes in response to climate change.*
- 2011 **Co-PI**, University of Tennessee, *Initiative for Quaternary Paleoclimate Research (IQPR)*. \$51,600. PI: Horn S. Co-PIs: McKay L, Li ZH, Grissino-Mayer H, Li YK, Anderson D, Hulsey D, Classen AT, Tootle G.
- 2010-2013 **U.S. collaborator**, National Science Foundation of China, RMB 500,000 (\$77,000). *Glacial landform evolution and chronology in Nalati section, Central Tian Shan* (grant no. 40971002). PI: Gengnian Liu
- 2010 **Co-PI**, University of Tennessee, *Initiative for Quaternary Paleoclimate Research (IQPR)*. \$60,000. PI: Horn S. Co-PIs: McKay L, Li ZH, Finkelstein D. Grissino-Mayer H, Li YK, Anderson D, Hulsey D.
- 2012 **PI**, PRIME lab, Purdue University. *A pilot study to constrain the chronology of glacial advances in the Cordillera de Talamanca of Costa Rica using Cl-36*; lab analyses valued at \$7,425.
- 2008-2011 **U.S. collaborator**, National Science Foundation of China, RMB 420,000 (\$65,000). *Glacial landform sequence and chronology on the Shuanghu area, Central Tibet*. PI: Dewen Li.
- 2008-2009 **PI**, Missouri Department of Conservation, \$21,940. *Private Lands Digitizing and Ranking in the Current and Eleven Point COAs.*
- 2008 **Co-PI**, PRIME lab, Purdue University: *Cl-36 dating the oldest glacial moraines/tills in the Shuanghu area, Central Tibet*; lab analyses valued at \$1,780. PI: Susan Ma, Co-PI, Dewen Li.
- 2007-2008 **PI**, University of Missouri Research Board, \$20,733. *Test of the hypothesis of the Huanghe Ice Sheet, northeast Tibet.*
- 2007 **PI**, PRIME lab, Purdue University: *A pilot study to constrain the chronology of glacial moraines/tills, Tian Shan, China*; lab analyses valued at \$6,750.
- 2007 **PI**, University of Missouri Summer Research Fellowship, \$8,000. *Test of the hypothesis of the Huanghe Ice Sheet, northeast Tibetan Plateau using detailed geomorphological mapping and cosmogenic nuclides.*
- 2007 **PI**, University of Missouri Faculty Grant Writing Institute, \$6,000. *Assessment of the impacts of the Qinghai-Tibet Railway on the permafrost environments on the Tibetan Plateau.*

- 2007 **PI**, University of Missouri Arts and Science Alumni Organization, \$1,400. *Impacts of urbanization on surface runoff of the Dardenne Creek Watershed, St Charles County, Missouri.*
- 2007 **PI**, University of Missouri Research Council, \$7,150. *GIS based assessment of ice sheet model performance using geomorphic data.*
- 2006-2009 **U.S. collaborator**, National Science Foundation of China, RMB 470,000 (\$72,000). *Glacial landform evolution and chronology in Kunlun and Tanggula Mountains.* PI: Gengnian Liu.
- 2002-2005 **Senior Scientist**, National Science Foundation, \$307,443. *Cosmogenic nuclide-based boundary conditions for numerical ice sheet models: A simulation of the Fennoscandian Ice Sheet through a glacial cycle.* PI: Jon Harbor.

D. Invited Talks

- 2019 Using cosmogenic nuclides to quantify glacial erosion and repeat exposure-burial processes. 5th Workshop in Quaternary Glaciations and Environmental Change in China, Liaoning Normal University.
- 2019 Impact of Climate Change on Water Resources in High Asia. Xinjiang Institute of Geography and Ecology, Chinese Academy of Sciences.
- 2019 Quantifying human-accelerated erosion and deposition processes using terrestrial LiDAR and structure from motion. Hebei Normal University and Tianjin Urban Construction University (CPGIS meeting in Tianjin).
- 2018 Mapping Topography and Surface Processes Using Unmanned Aircraft System and Structure from Motion, an invited talk in NIMBioS, University of Tennessee.
- 2017 Impact of Climate Change on Water Resources in High Asia, Wuhan University and Hebei Normal University.
- 2017 Using terrestrial LiDAR to quantify gully and hillslope erosion, Nanjing Institute of Environmental Sciences, Ministry of Environmental Protection.
- 2016 The Impact of Climate Change on Water Resources in High Asia. Invited colloquium presentation, Department of Geography, University of Tennessee, 11/10/2016.
- 2016 Patterns and potential drivers of dramatic changes in Tibetan lakes, 1970-2010, Wuhan University and Nanjing Institute of Environmental Sciences, Ministry of Environmental Protection.
- 2016 Using terrestrial LiDAR to quantify gully and hillslope erosion, Hebei Normal University and Nanjing Forest University.
- 2015 Cosmogenic Be-10 constraints on Little Ice Age glacial advances in the Chinese Tian Shan, Central Asia, Department of Geosciences, Virginia Polytechnic Institute and State University (Virginia Tech).
- 2015 Patterns and potential drivers of dramatic changes in Tibetan lakes, 1970-2010, Capital Normal University, Hebei Normal University, and University of Nottingham at Ningbo.
- 2014 Timing and extent of Quaternary glaciations in the eastern Tian Shan, China, constrained using ¹⁰Be surface exposure dating, Institute of Tibetan Plateau Research, Chinese Academy of Sciences.
- 2014 Assessing long-term impacts of urbanization on surface runoff using remote sensing and hydrological models, College of Geographical Sciences, Harbin Normal University and Jiangsu Normal University.

- 2014 Permafrost-driven lake dynamics across the Tibetan Plateau in recent decades and Assessing long-term impacts of urbanization on surface runoff using remote sensing and hydrological models, Key Laboratory of Land Environment and Disaster Monitoring, China University of Mining and Technology.
- 2013 The timing and extent of past glaciations in Tibetan Plateau and Tian Shan, Navarino Environmental Observatory in Greece.
- 2013 Reconstructing the timing and extent of past glaciations in High Asia-A cosmogenic nuclide approach, Department of Geography, University of Missouri, Columbia.
- 2013 Reconstructing the timing and extent of past glaciations in High Asia-A cosmogenic nuclide approach, Department of Geography, University of Kentucky.
- 2012 Permafrost-driven lake dynamics across the Tibetan Plateau in recent decades, Institute of Tibetan Plateau Research, Chinese Academy of Sciences.
- 2011 Quaternary glaciations of Tian Shan in China, Central-Asian Institute for Applied Geosciences (CAIAG), Bishkek, Kyrgyzstan.
- 2011 Basin-wide erosion rates in the central and northern Tibetan Plateau derived using in-situ produced ^{10}Be concentrations from river sediments, Institute of Crustal Dynamics, China Earthquake Administration.
- 2011 Cosmogenic nuclide dating and its potential applications in Earth sciences, Physics Division, Oak Ridge National Laboratory.
- 2010 Examining the correspondence between lake-level fluctuations and climate dynamics in Selin Co (Lake), Central Tibet, Center for Earth Observation and Digital Earth, Chinese Academy of Sciences.
- 2010 Understanding the dynamic and basal condition of paleo ice sheets and glaciers using GIS and cosmogenic nuclide surface exposure dating, Institute of Tibetan Plateau Research and Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences.
- 2009 GIS and spatial analysis courses and their roles in safeguards training, Department of Civil Engineering, University of Missouri-Columbia.
- 2009 Constraining the style and timing of Quaternary glaciations in Tian Shan and N.E. Tibet using cosmogenic nuclides Department of Geography, University of Tennessee, Knoxville.
- 2009 Impacts of urbanization on surface runoff of the Dardenne Creek Watershed, St Charles County, Missouri and A GIS Model to Rank Private Lands in the Current and Eleven Point COAs, Department of Civil Engineering, University of Missouri-Columbia.
- 2008 A GIS Model to Rank Private Lands in the Current and Eleven Point COAs. Missouri Department of Conservation, Columbia, MO.
- 2008 Reconstruction of the Fennoscandian Ice Sheet during the last glacial cycle using cosmogenic nuclides and GIS, Institute of Tibetan Plateau Research, Chinese Academy of Sciences.
- 2007 Impacts of urbanization on surface runoff of the Dardenne Creek Watershed, St Charles County, Missouri, Center for Earth Observation and Digital Earth, Chinese Academy of Science.
- 2007 GIS supported validation of ice sheet models with field evidence, Tarfala Glacier Research Station, Stockholm University, Sweden.
- 2006 GIS enhanced validation of ice sheet models against field evidence, Department of Geology, Bowling Green State University.

- 2006 GIS supported validation of ice sheet models with field evidence, Department of Geography, Geology and Planning, Missouri State University.
- 2006 GIS enhanced validation of ice sheet models against field evidence, Department of Geography, University of Tennessee, Knoxville.
- 2006 Human impacts on soil erosion in terms of land-use changes and GIS enhanced validation of ice sheet models against field evidence, Department of Geography, University of Missouri-Columbia.
- 2005 Reconstruction of the Fennoscandian Ice Sheet during the last glacial cycle using cosmogenic nuclides and GIS, Department of Geology, Bowling Green State University.
- 2005 Cosmogenic nuclides and glacial geomorphology, Department of Natural Sciences, University of Michigan-Dearborn.
- 2004 Cosmogenic nuclide dating and its potential applications in Earth sciences, Department of Geography, Peking University.
- 2003 Numerical description of glacial valley morphology: a case study from the Tien Shan, China, Department of Earth and Atmospheric Sciences, Purdue University.

E. Conference Proceedings and Presentations

- 2019 Liang, W., Tornero, L.C., Shen, M., McNelis, J., Tran, L.T., Papes, M., **Li, Y.K.**, Wiggins, G., Stewart, S., Gant, J. Classifying kudzu using high-resolution multispectral and Lidar data. *American Geophysical Union*, San Francisco, CA.
- 2019 Blentlinger, L.R., Craig, E.A., **Li, Y.K.**, Cairns, K.J., McKinney, N., Gross, L., Washington-Allen, R., Camponovo, M.E. Characterizing Urban Stream Erosion and Deposition over Time Using LiDAR Analyses at Second Creek, Knoxville, Tennessee. *SEDAAG annual meeting*, Wilmington, North Carolina.
- 2019 **Li, Y.K.** How accurate a topography can be reconstructed using unmanned aircraft system and structure from motion? *Association of American Geographers*, Washington DC.
- 2019 Shen, M., **Li, Y.K.**, McKinney, N., Tang, M.F. Kudzu Identification using multi-source remote sensing data. *Association of American Geographers*, Washington DC.
- 2019 Rabby, Y.W., **Li, Y.K.** Landslide susceptibility map of Rangmati Municipality, Bangladesh, investigated using three sampling strategies in the multivariate logistic regression model. *Association of American Geographers*, Washington DC.
- 2018 **Li, Y.K.** Assessing the impact of additional oblique photos on UAS-based topography reconstruction. *SEDAAG annual meeting*, Johnson City, Tennessee.
- 2018 Rabby, Y.W., **Li, Y.K.** Integration of the frequency ratio (FR) model with knowledge-based analytical hierarchy process (AHP) for regional scale landslide susceptibility model: a case study in Chittagong Hilly Areas, Bangladesh. *SEDAAG annual meeting*, Johnson City, Tennessee.
- 2018 Shen, M., Wang, S.Y., Ma, Y.X., **Li, Y.K.**, Tang, M.F. Monitoring turbidity change in the middle reach of the Yarlung Zangbo River from 2007-2017 based on satellite imagery and in situ measurements. *SEDAAG annual meeting*, Johnson City, Tennessee.
- 2018 Lu, X.Y., **Li, Y.K.**, Washington-Allen, R.A. Structural and sedimentological connectivity on a rilled hillslope. *Association of American Geographers*, New Orleans, Louisiana.
- 2018 Rabby, Y.W., **Li, Y.K.** Landslide inventory mapping of Chittagong Hilly Areas, Bangladesh, based on Google Earth, participatory field mapping, and multi-temporal satellite imagery. *Association of American Geographers*, New Orleans, Louisiana.

- 2017 Rabby, Y.W., **Li, Y.K.** Landslide inventory mapping of Chittagong Hilly Areas of Bangladesh. *SEDAAG annual meeting*, Starkville, Mississippi.
- 2017 Norton, E., **Li, Y.K.** Development of a mobile geospatial app using ESRI collector to support environmental education. *SEDAAG annual meeting*, Starkville, Mississippi.
- 2017 **Li, Y.K.**, Lu, X.Y., Li, X.W. Feasibility and accuracy in using low-cost unmanned aerial vehicles to monitor hillslope erosion. *SEDAAG annual meeting*, Starkville, Mississippi.
- 2017 Lu, X.Y., **Li, Y.K.**, Washington-Allen, R.A., Li, Y.N. Micro-topographic controls on hillslope erosion and deposition: a multi-scale case study using random forest. *American Geophysical Union*, New Orleans, Louisiana.
- 2017 Li, Y.N., **Li, Y.K.**, Harbor, J., Liu, G.N., Yi, C.L., Caffee, M.W. Timing of the Little Ice Age glacial advances in the eastern Tian Shan, Central Asia. *Geological Society of America*, Seattle, WA.
- 2017 **Li, Y.K.**, Chen, Y.X., Liu, G.N., Zhang, M., Cui, Z.J. Timing and extent of late Quaternary glaciations on the northern slopes of Mt. Shishapangma, monsoonal Himalayas. *Geological Society of America*, Seattle, WA.
- 2017 Liu, J.H., Yi, C.L., **Li, Y.K.** Glacial fluctuations in the Karola Pass, eastern Lhagoi Kangri Range, since the Last Glacial Maximum. *Geological Society of America*, Seattle, WA.
- 2017 Shannon, J.C., Moore, D.B., **Li, Y.K.**, Olsen, C. Improved Sinkhole Detection and Mapping for Knox County, TN with LiDAR Data. *TNGIC (Tennessee Geographic Information Council) annual conference*, Knoxville, TN.
- 2017 Glasbrenner, J., Hatcher Jr, R.D., **Li, Y.K.**, Cox, R.T. Cosmogenic ^{26}Al - ^{10}Be burial dating of Tennessee and Little Tennessee River terrace deposits in the eastern Tennessee seismic zone. *Southeastern Geological Society of America*, Richmond, Virginia. Abstract No: 291503.
- 2017 **Li, Y.K.**, Chen, Y.X., Liu, G.N., Zhang, M., Cui, Z.J. Constraining the timing of the oldest glaciation on the Tibetan Plateau using cosmogenic Al-26 and Be-10 dating. *Association of American Geographers*, Boston, MA.
- 2017 Lu, X.Y., **Li, Y.K.**, Washington-Allen, R. Sediment redistribution in developed rill systems: resolution and threshold issues. *Association of American Geographers*, Boston, MA.
- 2017 Li, Y.N., **Li, Y.K.**, Lu, X.Y., Harbor, J. Geomorphometric Controls on Mountain Glacier Changes since the Little Ice Age in the Eastern Tien Shan, Central Asia. *Association of American Geographers*, Boston, MA.
- 2016 Liu, J.H., Yi, C.L., **Li, Y.K.**, Bi, W.L., Zhang, Q, Hu G. Glacial Fluctuations in the Karola Pass, Eastern Lhagoi Kangri Range, Since the Last Glacial Maximum. *American Geophysical Union*, San Francisco, CA.
- 2016 Lu, X.Y., **Li, Y.K.**, Washington-Allen, R. Effect of DEM grid size in studying rill erosion and rill morphology. *SEDAAG annual meeting*, Columbia, South Carolina.
- 2016 **Li Y.K.**, McNelis, J., Washington-Allen, R. Monitoring sediment dynamics within a gully in West Tennessee using terrestrial LiDAR. *SEDAAG annual meeting*, Columbia, South Carolina.
- 2016 Liu, J.H., Yi, C.L., **Li, Y.K.**, Bi, W.L., Zhang, Q. High-frequency glacier fluctuations in the Karola Pass, southern Tibet, since the Last Glacial Maximum. *13th Annual Meeting of Asia Oceania Geosciences Society*, Beijing, China.
- 2016 Lu, X.Y., **Li, Y.K.**, Washington-Allen, R. Studying rill formation on hillslope using terrestrial laser scanner: a case study in Loudon, Tennessee. *Association of American Geographers*, San Francisco, CA.

- 2016 **Li, Y.K.**, Liu, J.H., Yi, C.L., Bi, W.L. High-frequency glacier fluctuations in the Karola Pass, southern Tibet, since the Last Glacial Maximum. *Association of American Geographers*, San Francisco, CA.
- 2015 **Li, Y.K.**, Potter, R., Horn, S.P., Orvis, K.H. Late Quaternary glacial chronology in the Cordillera de Talamanca, Costa Rica, investigated using cosmogenic Cl-36 surface exposure dating. *American Geophysical Union*, San Francisco, CA.
- 2015 Glasbrenner, J., Hatcher Jr, R.D., **Li, Y.K.** Cosmogenic ^{26}Al - ^{10}Be burial dating of Little Tennessee River terrace deposits: An application to the east Tennessee seismic zone. *Geological Society of America*, Baltimore, Maryland. GSA Abstracts with Program Vol. 47 (Abstract No. 266916).
- 2015 **Li, Y.K.**, Li, Y.N., Liu, G.N., Chen, Y.X., Zhang, M. Cosmogenic nuclide constraints on the timing of Little Ice Age glacial advances in the eastern Tian Shan, China. *Geological Society of America*, Baltimore, Maryland. GSA Abstracts with Program Vol. 47 (Abstract No. 266119).
- 2015 Lu, X.Y., Bailey, G., Friedrichs, R., Walker, M., **Li, Y.K.**, Washington-Allen, R., Li Y.N. Evaluation of three LS-factors in hillslope erosion process using terrestrial laser scanner and GIS: a case study in Loudon, Tennessee. *Binghamton Geomorphology Symposium*, Buffalo, NY.
- 2015 **Li, Y.K.**, Li, D.W., Dong, G.C., Wang, L.Q. Cosmogenic nuclide constraints of limited Quaternary glacier fluctuations on the central Tibetan Plateau. *Association of American Geographers*, Chicago, IL.
- 2015 Li, Y.N., McNelis, J., **Li, Y.K.**, Lu, X.Y. Glacier boundary extraction using high resolution Google Earth satellite imagery: a case study from the Bogeda Range, Eastern Tian Shan, China. *Association of American Geographers*, Chicago, IL.
- 2015 Lu, X.Y., **Li, Y.K.**, McNelis, J., Li, Y.N., Washington-Allen, R. Use of LiDAR to Study urban streambank erosion associated with anthropogenic activities. *Southeastern Geological Society of America*, Chattanooga, TN.
- 2015 McNelis, J., **Li, Y.K.** Analysis of West Tennessee gully erosion rates using high resolution terrestrial LiDAR. *Southeastern Geological Society of America*, Chattanooga, TN.
- 2015 **Li, Y.K.**, Duchene, M., McNelis, J., Lu, X.Y., Walker, M., Washington-Allen, R. A streamlined analysis toolset to process LiDAR point cloud for terrain extraction. *Southeastern Geological Society of America*, Chattanooga, TN.
- 2014 Li, Y.N., **Li, Y.K.**, Liu, G.N., Chen, Y.X. Cosmogenic Be-10 constraints of the Little Ice Age glacial advances in the eastern Tian Shan, China. *American Geophysical Union*, San Francisco, CA.
- 2014 **Li, Y.K.**, Li, D.W., Dong, G.C., Wang, L.Q. Extremely limited Quaternary glacial advances on the central Tibetan Plateau, investigated using cosmogenic nuclide surface exposure dating. *SEDAAG annual meeting*, Athens, Georgia.
- 2014 Potter, R., **Li, Y.K.**, Horn, S.P., Orvis, K.H. Age constraints of glacial events in Costa Rica using Chlorine-36 cosmogenic exposure dating. *SEDAAG annual meeting*, Athens, Georgia.
- 2014 Li, Y.N., **Li, Y.K.**, Liu, G.N., Chen, Y.X. Timing of the Little Ice Age glacial advances in Tian Shan, Central Asia. *SEDAAG annual meeting*, Athens, Georgia.
- 2014 Potter, R., **Li, Y.K.**, Horn, S.P., Orvis, K.H. Cosmogenic nuclide constraints on Late Quaternary glacial advances in the Cordillera de Talamanca, Costa Rica. *Geological Society of America*, Vancouver, Canada. GSA Abstracts with Program Vol. 46, No 6 (Abstract No. 250275).

- 2014 **Li, Y.K.**, Liu, G.N., Chen, Y.X., Li, Y.N., Zhang, M., Li, C.C., Harbor, J., Caffee, M., Stroeven, A.P. Glacial Chronology in the eastern Tian Shan, China, constrained using cosmogenic ¹⁰Be surface exposure dating. *Geological Society of America*, Vancouver, Canada. GSA Abstracts with Program Vol. 46, No 6 (Abstract No. 245088).
- 2014 McNelis, J., Li, Y.N., **Li, Y.K.** Glacier boundary extraction using Google Earth high resolution imagery. *71st Eastern Snow Conference*, Appalachian State University, Boone, NC.
- 2014 Heyman, J., Stroeven, A.P., Harbor, J., **Li, Y.K.**, Hättestrand, C., Caffee, M.W., Fu, P. Erosion of the NE Tibetan Plateau based on Be-10 in river sediments. *European Geophysical Union*, Vienna, Austria.
- 2014 Li, Y.N., **Li, Y.K.**, Liu, G.N., Zhang, M., Caffee, M.W. Cosmogenic nuclide dating of the Little Ice Age glacial advances in the Urumqi River headwaters, Chinese Tian Shan. *Association of American Geographers*, Tampa, FL.
- 2014 Potter, R., **Li, Y.K.**, Horn, S.P., Orvis, K.H. Cosmogenic nuclide constraints on Late Quaternary glacial advances in the Cordillera de Talamanca, Costa Rica. *Association of American Geographers*, Tampa, FL.
- 2014 **Li, Y.K.**, Liu, G.N., Chen, Y.X., Li, Y.N., Zhang, M., Li, C.C., Harbor, J., Caffee, M.W., Stroeven, A.P. Cosmogenic ¹⁰Be-derived glacial chronology in Chinese Tian Shan, Central Asia. *Association of American Geographers*, Tampa, FL.
- 2014 Chen, Y.X., **Li, Y.K.**, Liu, G.N., Cui Z.J. Quaternary glacial history constrained by cosmogenic ¹⁰Be exposure dating on the northern slope of Mt. Shishapangma, Himalayas. *Association of American Geographers*, Tampa, FL.
- 2013 Yi, C.L., Dong, G.C., Wang, X.L., Liu, X.J., Hu, G., **Li, Y.K.**, Seong, Y.B., Caffee, M.W. Uplift induced extensive glaciation during the Last Interglacial in the northeastern Tibetan Plateau. *American Geophysical Union*, San Francisco, CA.
- 2013 Harbor, J., Stroeven, A.P., **Li, Y.K.**, Lifton, N.A., Blomdin, R., Beel, C.R., Caffee, M.W., Chen, Y.X., Gribenski, N., Hättestrand, C., Heyman, J., Ivanov, M., Kassab, C., Li, Y.N., Liu, G.N., Petrakov, D., Rogozhina, I., Usubaliev, R., Zhang, M. Spatial and Temporal Patterns of Past Mountain Glaciation in the Tian Shan, Central Asia. *American Geophysical Union*, San Francisco, CA.
- 2013 **Li, Y.K.**, Liao, J.J., Guo, H.D., Liu, Z.W., Shen, G.Z. Permafrost-driven lake dynamics in the Tibetan Plateau in recent decades. *2013 China-US EcoPartnership Annual Workshop*, Gatlinburg, TN (invited).
- 2013 **Li, Y.K.**, Li, Y.N. Topographic and glaciological controls on glacier changes since the Little Ice Age in central Tian Shan. *International Symposium on Changes in Glaciers and Ice Sheets: Observations, Modelling and Environmental Interactions*, Beijing, China.
- 2013 **Li, Y.K.** Chronology and extent of glacial advances during the Last Glaciation in eastern Tian Shan. *Association of American Geographers*, Los Angeles, CA.
- 2012 **Li, Y.K.**, Liu, G.N., Zhang, M., Harbor, J., Stroeven, A.P., Caffee, M.W., Li, C.C., Li, Y.N. Chronology and extent of glacial advances during the Last Glaciation in the central Tianshan Range, China. *American Geophysical Union*, San Francisco, CA.
- 2012 **Li, Y.K.** Permafrost-driven lake dynamics in the Tibetan Plateau in recent decades. *American Geophysical Union*, San Francisco, CA (Invited).
- 2012 **Li, Y.K.**, Liao, J.J., Liu, Z.W., Shen, G.Z. Impacts of climate change on lake-level fluctuations across the Tibetan Plateau from 1972 to 2010. *Association of American Geographers*, New York, NY.

- 2012 Li, Y.N., **Li, Y.K.** Contemporary and Little Ice Age Glacier Extents in the Bogeda Region, Tian Shan, China. *Association of American Geographers*, New York, NY.
- 2012 Chen, Y.X., Liu, G.N., **Li, Y.K.**, Zhang, M., Li, C.C. OSL constrains of MIS3 glacial advance in Karlik, easternmost part of Tian Shan. *Association of American Geographers*, New York, NY.
- 2011 Chen, Y.X., **Li, Y.K.**, Zhang, Y., Yi, C.L., Liu, G.N. Geomorphologic evolution of the Golmud River since the Last Glacial Maximum and its environmental implications. *Association of American Geographers*, Seattle, WA.
- 2011 Heyman, J., Stroeven, A.P., Hubbard, A., Harbor, J., Hättestrand, C., Alexanderson, H., **Li, Y.K.**, Zhou, L.P., Fu, P., Moren, B. Restricted glaciations on the Tibetan Plateau and palaeoclimatic implications. *Association of American Geographers*, Seattle, WA.
- 2011 **Li, Y.K.**, Li, D.W. Basin wide erosion rates in the central and northern Tibetan Plateau estimated using in-situ produced ¹⁰Be concentrations from river sediments. *Association of American Geographers*, Seattle, WA.
- 2011 Liu, Z.W., **Li, Y.K.** Patterns of lake-level change in Tibetan Plateau from 1972 to 2010, investigated using Landsat images and LiDAR. *Association of American Geographers*, Seattle, WA.
- 2011 Zhu, C.H., **Li, Y.K.**, Liu, Z.W. Land use/land cover change and its hydrological impact from 1984 to 2010 in the Little River Watershed, Tennessee. *ASPRS 2011 Annual Conference*, Milwaukee WI.
- 2011 Pan, F.F., **Li, Y.K.**, Liao, J.J. The effects of climate change on water level variations in Tibetan lakes. *ASPRS 2011 Annual Conference*, Milwaukee WI.
- 2011 **Li, Y.K.**, Liu, Z.W., Zhu, C.H., Liao, J.J. Surface area fluctuations of major lakes in central and northern Tibetan Plateau from 1972 to 2010 investigated using Landsat images. *ASPRS 2011 Annual Conference*, Milwaukee WI.
- 2010 **Li, Y.K.** Mapping lake level fluctuations from 1972 to 2010 of the Selin Co (Lake), Central Tibet, using Landsat MSS/TM/ETM+ images. *41st International Binghamton Geomorphology Symposium*, Columbia, South Carolina.
- 2010 **Li, Y.K.** Response of lake levels to climate change: A case study from Selin Co, Central Tibet. *973-EOGC workshop*, Beijing.
- 2010 Gautam, S., **Li Y.K.** A GIS based Spatial Hospital Access Index for Missouri. *Mini-Summit to Focus on Poverty and Health Care*, University of Tennessee, Knoxville.
- 2010 **Li, Y.K.**, Li, D.W., Ma, B.Q., Dong, G.C., Wang, L.Q. Optically stimulated luminescence dating of beach ridges of Selin Co (Lake), Central Tibet, and its environmental implications. *Association of American Geographers*, Washington DC.
- 2010 **Li, Y.K.** GIS/spatial analysis courses and their potential roles in nuclear safeguard training. *INMM Safeguards Workshop*, University of Missouri, Columbia, MO.
- 2009 **Li, Y.K.**, Liu, G.N., Kong, P., Harbor, J. Chen, Y.X., Caffee, M.W. Cosmogenic nuclide constraints on glacial landform evolution in the source area of Urumqi River, Tian Shan, China. *5th International Symposium on the Tibetan Plateau*, Beijing.
- 2009 Li, D.W., **Li, Y.K.**, Dong, G.C., Wang, L.Q. The finding and implication of till silt pellets from Shuanghu area, northern Tibet. *5th International Symposium on the Tibetan Plateau*, Beijing.
- 2009 Chen, Y.X., Liu, G.N., **Li, Y.K.**, Zhang, Y., Zhang, M., Zhang, J.C. Late Quaternary incision and filling sequences of the Golmud River and their response to tectonic movement

- and climate change in Northern Qingzong Plateau. *5th International Symposium on the Tibetan Plateau*, Beijing.
- 2009 Liu, G.N., **Li, Y.K.**, Harbor, J., Caffee, M.W., Stroeven, A.P., Chen, Y.X., Zhang, J.C., Zhang, M. Cosmogenic nuclide ¹⁰Be Dating of the Wangkun Till in Kunlun Pass, Northern Qingzang Plateau. *5th International Symposium on the Tibetan Plateau*, Beijing.
- 2009 Liu, G.N., **Li, Y.K.**, Chen, Y.X., Kong, P., Harbor, J., Caffee, M.W., Zhang, M., Zhang, J.C. TCN chronological constraints of northern ShishaPangma glaciations in monsoonal Himalayas. *5th International Symposium on the Tibetan Plateau*, Beijing.
- 2009 Heyman, J., Stroeven, A.P., Caffee, M.W., **Li, Y.K.**, Zhou, L.P., Liu, G.N., Hättestrand, C., Alexanderson, H., Fu, P., Harbor, J. An evaluation of multiple working hypotheses to explain cosmogenic exposure age data from glacial deposits in the Bayan Har Shan, NE Tibetan Plateau. *5th International Symposium on the Tibetan Plateau*, Beijing.
- 2009 Heyman, J., Stroeven, A.P., Hättestrand, C., Harbor, J., Caffee, M.W., Alexanderson, H., **Li, Y.K.**, Zhou, L.P., Liu, G.N., Fu, P. A paleoglaciological reconstruction for Bayan Har Shan, NE Tibetan Plateau. *5th International Symposium on the Tibetan Plateau*, Beijing.
- 2009 **Li, Y.K.**, Nigh, T. GIS model to rank private lands for conservation opportunity areas. *2009 ESRI International User Conference*, San Diego, CA.
- 2009 Romero, M., Trauth, K.M., **Li, Y.K.**, Semlitsch, R., Shulse, C.D. GIS-based landscape parameters for wetland evaluation related to amphibian health. *World Environmental and Water Resources Congress 2009: Great Rivers Proceedings of World Environmental and Water Resources Congress 2009*.
- 2009 Cole, J.S., Trauth, K.M., **Li, Y.K.** A GIS-based decision-making methodology for evaluation of environmental justice impacts of community infrastructure projects. *World Environmental and Water Resources Congress 2009: Great Rivers Proceedings of World Environmental and Water Resources Congress 2009*.
- 2009 **Li, Y.K.** Examining scale and resolution effects on local relief derived using digital elevation models across different landscapes. *Association of American Geographers*, Las Vegas, 2009.
- 2008 **Li, Y.K.**, Wang, C.Z. Land use change and its impacts on surface runoff of the Dardenne Creek Watershed, Missouri. *Association of American Geographers*, Boston. It is also presented in *AAG West Lake conference*, University of Illinois and *CEODE Workshop*, Beijing in 2007.
- 2008 Romero, M., Trauth, K.M., **Li, Y.K.**, Marrero, T.R. A GIS-based analysis of wind speed, frequency, and direction on route selection for the transportation of nuclear materials. *Proceedings of the Institute of Nuclear Materials Management 49th Annual Meeting*, Nashville, TN.
- 2007 Divate, M., Trauth, K.M., **Li, Y.K.** Methodology for quantifying risk factors impacting the transportation of nuclear materials utilizing GIS. *Proceedings of the Institute of Nuclear Materials Management 48th Annual Meeting*, Tucson, AZ.
- 2007 Divate, M., Trauth, K.M., **Li, Y.K.** Demonstration of a geographic information system methodology to quantify risk factors for the transportation of nuclear materials. *Proceedings of the 15th International Symposium on Packaging and Transportation of Radioactive Materials (PATRAM 2007)*, Miami, FL.
- 2007 Kohler, M., **Li, Y.K.**, Nigh, T., Belshi, D. Missouri river trashology: A GIS-based prediction of levels of trash depositions along the Missouri River, middle Missouri. *AAG West Lake conference*, University of Illinois (won the undergraduate paper competition).

- 2007 Darmody, R.G., Seppälä, M., Thorn, C.E., **Li, Y.K.**, Campbell, S.W. Harbor, J. Granite tors in arctic Finland: their age and weathering Status. *AAG West Lake conference*, University of Illinois.
- 2007 **Li, Y.K.** Guo, Y.G., Onasch, C.M. Automated grain boundary detection using GIS raster analysis. *Association of American Geographers*, San Francisco, California.
- 2006 Napieralski, J., Hubbard, A., **Li, Y.K.**, Harbor, J., Stroeven, A.P., Kleman, J., Alm, G., Jansson, K.N. GIS enhanced assessment of numerical ice sheet model performance against geomorphological data. *Geophysical Research Abstracts* 8, 09617.
- 2006 Stroeven, A.P., Hättstrand, C., Harbor, J., Zhou, L.P., **Li, Y.K.**, Caffee, M., Ma, H.Z., Liu, G.N. Geomorphology and paleoglaciology of the Bayan Har Mountains, eastern Tibet. *Geophysical Research Abstracts*, 8: 09680.
- 2006 Stroeven, A.P., Hättstrand, C., Harbor, J., Zhou, L.P., **Li, Y.K.**, Caffee, M., Ma, H.Z., Liu, G.N., Heyman, J. Paleoglaciology of the Bayan Har Mountain area, eastern Tibetan Plateau. *2006 Asian Conference on Permafrost*.
- 2005 Ma, X., **Li, Y.K.**, Smith, P., Bourgeois, M., Caffee, M., Elmore, D., Granger, D., Muzikar, P. WebCN: A simple solution for in situ cosmogenic nuclide dating. *10th International Conference on Accelerator Mass Spectrometry*, San Francisco, California.
- 2005 **Li, Y.K.**, Napieralski, J., Harbor, J., Hubbard, A. GIS-based analysis to quantify patterns of correspondence between predicted and observed flow orientations under ice sheet. *East Lakes Division AAG (ELDAAG) Annual Meeting*.
- 2005 **Li, Y.K.**, Harbor, J., Fabel, D., Stroeven, A.P. Interpreting cosmogenic nuclide concentrations in areas with complex exposure-burial histories under ice sheets: how sensitive are results to variations in the ice cover proxy curve? *Geochimica et Cosmochimica Acta*, **69**(10), A165 (Supplement 1).
- 2005 **Li, Y.K.**, Harbor, J., Fabel, D., Stroeven, A.P., Kleman, J., Fink, D. What cosmogenic apparent exposure ages on bedrock tell us about erosion patterns under the Fennoscandian Ice sheet during the last glacial cycle? *Association of American Geographers*, Denver, Colorado.
- 2004 **Li, Y.K.**, Ni, J.R. Evaluation of human impacts on soil erosion in terms of land-use changes. *Association of American Geographers*, Philadelphia, PA.
- 2004 **Li, Y.K.**, Harbor, J., Stroeven, A.P., Fabel, D., Kleman, J., Fink, D. Glacial erosion patterns in valley systems in northern Sweden investigated using cosmogenic nuclides. *Eos Trans. AGU*, **85**(47), Fall Meet. Suppl., Abstract C34A-05.
- 2002 Sun, S.P., Guo, H.Y., Meng, X.J., **Li, Y.K.**, Zhao, S.X., Yang, C.X. WebGIS applications in the E-government systems of National Economic and Trade Committee, China. In: *Summit Forum and Symposium of Technological Applications for the development of International Digital City*, pp: 33-38.
- 2002 Meng, X.J., **Li, Y.K.**, Sun, S.P., Guo, H.Y., Wang, T. WebGIS application in the management of urban sanitary equipment of Beijing. In: *Summit Forum and Symposium of Technological Applications for the development of International Digital City*, pp: 206-210.
- 2002 Li, L.M., **Li, Y.K.**, Meng, X.J., Sun, S.P. On the Beijing digital municipal management system. In: *Summit Forum and Symposium of Technological Applications for the development of International Digital City*, pp: 57-64.
- 1998 **Li, Y.K.** Application and Computer implementation of map projection transformation in the mapping system. In: *Geoinformatics '98 Conference Proceedings*, Beijing, China, pp: 282-286.

- 1998 **Li, Y.K.**, Wu, B. Introduction to the city pipe project tracing system, Tianjin. In: *Geoinformatics '98 Conference Proceedings*, Beijing, China, pp: 360-363.
- 1997 **Li, Y.K.**, Deng, J.F., Wu, B., Lv, X.Q. *et al.* Design and realization of a provincial Urban GIS. In: *2th Urban Electronic Information Conference*, City press, Beijing, China, pp: 245-250.
- 1997 Deng, J.F., Wu, B., Lv, X.Q., **Li, Y.K.** Spatial analysis and modeling of the provincial Urban GIS. In: *2th Urban Electronic Information Conference*, City press, Beijing, China, pp: 251-258. (In Chinese)

V. TEACHING

A. Courses Taught at the University of Tennessee (2009-present)

- GEOG 132: Landscapes and Environmental Change
 GEOG 313: Geospatial Field Methods of UAVs, LiDAR, and GPS
 GEOG 411: Intro to Geographic Information Science
 GEOG 413: Remote Sensing of Environment
 GEOG 433: Landform Analysis and Landscape Planning
 GEOG 454: GIS for Terrain Analysis
 GEOG 509: Topics in Geography: GIS and Geomorphology
 GEOG 517: Geographic Information Management and Processing.
 GEOG 518: GIS Project Management
 GEOG 533: Environmental Change in High Asia
 GEOG 609: Seminar: GIS and Geomorphology

B. Courses Taught at the University of Missouri (2006-2009)

- GEOG 8710: GIS and Geomorphology
 GEOG 4940/7940: Geographic Information Systems II
 GEOG 4840/7840: Geographic Information Systems I
 GEOG 2610: Intro to Physical Geography

C. Courses Taught at Bowling Green State University (2005-2006)

- GEOL 680: GIS in the Geosciences
 ENVS 413: Applications in Environmental Geographic Information Systems
 GEOL 104: Earth Environments
 GEOL 315: Quantitative Methods in Geology

D. Courses Taught at Purdue University (2004-2005)

- EAS 113: Introduction to Environmental Science
 EAS 591D: Human Impacts on Water Resources
 EAS 591S: GIS and Geosciences

E. Graduate Student Supervision/Direction at the University of Tennessee

- Gene Bailey (Master, 2019-present)
 Ming Shen (PhD, 2018-present)
 David Stamps (Master, 2017-2018)

Yasin Wahid Rabby (PhD, 2016-2021)
Evan Norton (Master, 2016-2018)
Xiaoyu Lu (PhD, 2014-2018)
Jack McNelis (Master, 2013-2016)
Rebecca Potter (Master, 2013-2015)
Yanan Li (PhD, 2011-2015)
Zewen Liu (Master, 2010-2012)
Chunhao Zhu (Master, 2010-2011)

F. Service on Graduate Student Committees at the University of Tennessee

Jamie Alumbaugh (PhD, Major advisor: Sally Horn, 2019-present)
Jared Crain (MS, Major advisor: Sally Horn, 2019-present)
Luke Blentlinger (MS, Major advisor: Sally Horn, 2019-present)
Zhong Dong (PhD, Major advisor: Jack Dongarra, EECS, 2019-2021)
David Eberius (PhD, Major advisor: Jack Dongarra, EECS, 2018-2020)
Xi Luo (PhD, Major advisor: Jack Dongarra, EECS, 2018-2019)
Thananon Patinyasakdikul (PhD, Major advisor: Jack Dongarra, EECS, 2018-2019)
Jacob Cecil (MS, Major advisor: Sally Horn, 2017-2019)
Michael Vanderlan (PhD, Major advisor: Shih-Lung Shaw, 2017-present)
Martin Walker (PhD, Major advisor: David Anderson, Anthropology, 2016-present)
Kyle Landolt (PhD, Major advisor: Nicholas Nagle, 2016-2017, leave the program)
Zachary Merrill (PhD, Major advisor: Henri Grissino-Mayer, 2016-2018)
Cameron McCarty (PhD, Major advisor: Jeff Moersch, EPS, 2016-2018)
Jason Muhlbauer (PhD, Major advisor: Christopher Fedo, EPS, 2016-2018)
Chongxiao Cao (PhD, Major advisor: Jack Dongarra, EECS, 2016-2017)
Wei Wu (PhD, Major advisor: Jack Dongarra, EECS, 2016-2017)
Alisa Hass (PhD, Major advisor: Kelsey Ellis, 2014-2016, switch committee)
Jacob Glasbrenner (PhD, Major advisor: Bob Hatcher, EPS, 2014-2018, leave the program)
Matthew Kerr (PhD, Major advisor: Sally Horn, 2014-present)
Matthew Valente (PhD, Major advisor: Sally Horn, 2014-2016, terminated)
Mathew Boehm (PhD, Major advisor: Sally Horn, 2013-present)
Erik Johanson (PhD, Major advisor: Sally Horn, 2013-2016)
Ephraim Love (Master, Major advisor: Nicholas Nagle, 2014-2015)
Mary Biswal (PhD, Major advisor: Bob Hatcher, EPS, 2013-2015)
Samantha Peel (PhD, Major advisor: Devon Burr, EPS, 2013-2014, switch committee)
Lauren Stachowiak (PhD, Major advisor: Henri Grissino-Mayer, 2012-2016)
Elizabeth Schneider (Master, Major advisor: Henri Grissino-Mayer, 2012-2014)
Martin Walker (Master, Major advisor: David Anderson, Anthropology, 2012-2016)
Dorothy Rosene (Master, Major advisor: Henri Grissino-Mayer, 2012-2018)
Joanne P. Ballard (PhD, Major advisor: Sally Horn, 2011-2015)
Sarah Jones (Master, Major advisor: Henri Grissino-Mayer, 2011-2014)
Alex Pilote (Master, Major advisor: Henri Grissino-Mayer, 2010-2012)
Meghan Janzen (Master, Major advisor: Ed Perfect, EPS, 2011-2012)
Jiuyuan Liu (PhD, Major advisor: Shih-Lung Shaw, 2010-2017, terminated)
Kevin Russell (Master, Major advisor: Joshua Inwood, 2010-2014)
Niki Garland (Master, Major advisor: Henri Grissino-Mayer, 2010-2012)

Nicholas Schoenborn (Master, Major advisor: Shih-Lung Shaw, 2010-2016 terminated)
John Eads (Master, Major advisor: Sally Horn, 2010-2013)
Ingrid Luffman (PhD, Major advisor: Liem Tran, 2009-2013)
Mathew Boehm (Master, Major advisor: Sally Horn, 2010-2012)
James Hartsig (Master, Major advisor: Carol Harden, 2010-2011)

G. Graduate Student Supervision/Direction at the at the University of Missouri

Richard Charrier (Master, Major advisor, 2006-2009)

H. Service on Graduate Student Committees at the University of Missouri

Stephen Markley (Master, Committee member, Major advisor: Mark Cowell, 2007-2009)
Ellen Hallac (Master, Committee member, Major advisor: Gail Ludwig, 2006-2008)
Milind Divate (Master, Committee member, Major advisor: Kathleen Trauth, 2007-2009)
Aslan Aslan (Master, Committee member, Major advisor: Kathleen Trauth, 2007-2009)
Miriam Romero (PhD, Committee member, Major advisor: Kathleen Trauth, 2007-2009)

I. Faculty Advisor of Undergraduate Assistant for Laboratory and Research Work

Meghan Russell: A comparison of different software packages and web services in processing drone-collected data for terrain mapping. 2018/9 – 2018/12.
Kristina Cairns: Mapping Kudzu conditions using unmanned aircraft system: a case study from Mary Vestal Park, Knoxville, Tennessee. 2018/9 – 2018/12
Kali Williams: Geospatial outreach of engaging the community to restore nutrient-impacted Baker Creek: 2018/5 – 2018/12
Logan Gross: Establishing a GIS database for Baker Creek, Tennessee: 2018/2 – 2018/5
Taylor Tieche: Mapping of Terrain analysis of glacial features in Costa Rica: 2015/10-2016/4
Gene Bailey: DEM analysis: 2015/2-2015/5
Dakota Anderson: Cosmogenic nuclide sample preparation: 2013/5 – 2014/4
Han Noh: Google Earth based glacier boundary delineation. 2013/9 – 2013/10

J. Faculty Mentor of Undergraduate Research and Awards

Tyler Bock, Using LiDAR to survey vegetative areas in Knox County, Exhibition of Undergraduate Research and Creative Achievement (EUR̄CA), April 16-19, 2018.
David Leventhal, Megan Russell, & Kali Williams, Geography of Opiate abuse, overdose, & treatment in Tennessee, Exhibition of Undergraduate Research and Creative Achievement (EUR̄CA), April 16-19, 2018.
Jerry Clint Shannon & David Byrne Moore, Improved sinkhole detection and mapping for Knox County, TN with LiDAR data, won Office of Research and Engagement Bronze Award and First Place in Physical Sciences at the 21st Exhibition of Undergraduate Research and Creative Achievement (EUR̄CA), April, 17-21, 2017.
Taylor Tieche, GIS Accuracy Assessment of Forested Wetland Predictive Model for TVA, won Office of Research and Engagement Bronze Award and First Place in Ecology & Evolutionary Biology at the 21st Exhibition of Undergraduate Research and Creative Achievement (EUR̄CA), April, 17-21, 2017

Michael DeHart II: Fort Sanders: A Multivariate Socioeconomic Analysis, presented as a poster in the 17th Exhibition of Undergraduate Research and Creative Achievement (EURēCA), March, 18-19, 2013.

Matt Kohler: presented a poster in AAG West Lakes conference and won the first of the undergraduate paper competition

Eric Mooney: presented a poster in AAG West Lakes conference

Natalie Abright: Undergraduate honors in physical geography

Darla Cameron: Independent study on the links between the presentation of maps in newspaper journalism and GIS

K. Visiting Scholars Hosted

Yanqing Liang: Hebei Normal University (2019-2020)

Benyong Wei: Institute of Geology, China Earthquake Administration (2019-2020)

Xiaoli Shi: Hebei Normal University (2017-2018)

Liyang Wang: Hebei Normal University (2017-2018)

Renrong Chen: South China Normal University (2015-2017)

Haidong Li: Nanjing Institute of Environmental Sciences, Ministry of Environmental Protection (2015-2016)

Junying Su: Wuhan University (2015-2016)

Jinshan Hu: Jiangsu Normal University (2012-2013)

Longgao Chen: Jiangsu Normal University (2012-2013)

Cuizhen Wang: Department of Geography, University of Missouri-Columbia (2013.3)

Qinghua Ye: Institute of Tibetan Plateau Research, Chinese Academy of Sciences (2013.3)

Dewen Li: Institute of Crustal Dynamics, China Earthquake Administration (2013.11)

VI. SERVICE

A. Service at the University of Tennessee

Department

Search committee member for remote sensing faculty position, 2018-2019

Director of Undergraduate Studies, 2016-2020

Associate Director of Undergraduate Studies, 2015-2016

Coordinator of Undergraduate Advising, 2016-2020

Undergraduate Advisor, 2014-present

Undergraduate Curriculum Committee, Chair, 2016-2020

Undergraduate Program Committee, 2009-2013, 2014-2020

Faculty Mentor for Robert Washington-Allen, 2013-2018

Chair of Website and Social Media Committee, 2012-2016

McCroskey Fund Committee, 2011-2013 (chair), 2013-2014 (member)

Department SACS Committee, 2016-present

Livingston Professorship Endowment evaluation committee, 2015

Graduate Publications Committee, 2012-2014

Department Executive Committee, 2011-2014

Department Head Search Committee, 2016-2017

Search Committee Chair for GIS Lab Manager, 2016

Climatology Search Committee, 2012-2013

GEOG 132 lab manual and lab fee coordinator, 2014-present
GEOG 132 GTA/GTAssociate coordinator, 2014-present
GIS for Our Changing World Connection Package, 2014-2015
GIS and Computer lab GTA coordinator, 2014-2016
Computer Labs, 2009-2013

College

Dean's Advisory Council, 2013-2018
College Global Challenge and Connection package committee, 2014-2015

University

Watershed Faculty Consortium Executive Committee, 2018-present
Lab and Workspace Safety Committee (LWSC), 2016-present
Undergraduate Council, 2014-2017
Undergraduate Academic Policy Committee, 2014-2017

B. Service at the University of Missouri

Graduate seminar course subcommittee in 2008
GIS search committee in 2006, 2007

C. Professional Memberships and Activities

Leaderships in Professional Organizations and Journals

State Representative of Tennessee (elected), Southeastern Division of Association of American Geographers
Associate Editor for *Physical Geography*, since 2017
Special issue Guest-Editor for *Remote Sensing* and *Geomatics*, 2021-2022
Special issue Guest-Editor for *Water*, 2015-2016

Professional Memberships

AAG – American Association of Geographers
AGU – American Geophysical Union
GSA – Geological Society of America
ASPRS – American Society of Photogrammetry and Remote Sensing
SEDAAG – Southeastern Division of Association of American Geographers

Journal Editorial Board

Editorial Board for *Physical Geography*, 2016-2017
Editorial Board for *International Soil and Water Conservation Research*, since 2014
Editorial Board for *Frontiers in Earth Science*, since 2013

Edited Journal Special Issues

Yi, C.L., Li, Y.K., Harbor, J., 2010. Selected papers from an international conference on geomorphic and environmental change on the Tibetan Plateau and surrounding mountains. *Physical Geography* 31, 473-474.
Li, Y.K., Urban, M. 2016. Special issue on Water Resource Variability and Climate Change. *Water*.

Conference Organizer and Chair

Interrelationship between tectonic uplift and Quaternary glaciations on the Tibetan Plateau and its surrounding mountains, GSA Annual meeting, 2017

Past Environmental Change in Mountain Areas, AAG Annual Meeting, 2017.

Environmental Change and Human Adaptation on the Tibetan Plateau I and II, AAG Annual Meeting, 2012

Environmental Change and Human Adaptation on the Tibetan Plateau I and II, AAG Annual Meeting, 2011

Geomorphology and Environmental Change in the Tibetan Plateau, AAG Annual Meeting, 2010

Geomorphology and Environmental Change 1, 5th International Symposium on the Tibetan Plateau, Beijing, 2009

Quaternary Landscape Evolution & Paleo-environmental Change II, 5th International Symposium on the Tibetan Plateau, Beijing, 2009

GIS and Geomorphology, AAG Annual Meeting, 2009

GIS and Remote Sensing, AAG East Lake Division Annual Meeting, 2005

Integrating Geographic Information Systems with Cryospheric Research, AGU 2004 Fall meeting

Journal Manuscript Review

Applied Geography

Annals of GIS

Area

Catena

Computers & Geosciences

Environmental Engineering and Management Journal

Environmental Management

Earth Science Reviews

Frontier in Earth Science

Geology

Geomorphology

GIScience & Remote Sensing

Holocene

ISPRS Journal of Photogrammetry and Remote Sensing

International Soil and Water Conservation Research

Journal of Applied Remote Sensing

Journal of Arid Land

Journal of Environmental Science and Management

Journal of Mountain Science

Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Physical Geography

PloS One

Quaternary Research

Quaternary Science Reviews

Remote Sensing

Science of Total Environment

Water

Proposal Review

Austrian Science Fund

NASA Postdoctoral Program

National Geographic Society

National Science Foundation

National Natural Science Foundation of China (2020)

ORAU Ralph E. Powe Junior Faculty Award Program

Research Grants Council (RGC) of Hong Kong (2021)

Chile Fondecyt National Projects Competition (2021)