

CURRICULUM VITAE

Date of last update: Oct. 8, 2018

PERSONAL INFORMATION:

Name:

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Chinese, English

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RESEARCH INTERESTS:

Watershed modeling and scenario optimization of Best Management Practices, Geo-Computation

EDUCATION:

2014-2019	Ph.D. (GIS), University of Chinese Academy Sciences, Beijing, P.R.C. Thesis: Method of optimizing spatial configuration of beneficial watershed management practices in a unit-boundary adaptive manner Supervisor: Professor A-Xing Zhu , and Professor Cheng-Zhi Qin
2011-2014	M.Sc. (Physical Geography), Beijing Normal University, Beijing, P.R.C. Thesis: A laser scanner for surface roughness and rill morphology measurement based on linear structured light Supervisor: Professor Guang-Hui Zhang
2007-2011	B.Sc. (GIS), Northwest A&F University, Yangling, Shannxi, P.R.C.

AWARDS, HONORS, AND SCHOLARSHIPS:

2012-2013	National scholarship for graduate students, Beijing Normal University.
2007-2008	National scholarship for undergraduate students, Northwest A&F University.

ASSOCIATION MEMBERSHIPS:

Member	Soil and Water Conservation Society (SWCS)
Member	American Association of Geographers (AAG)

PUBLICATIONS AND RESEARCH PAPERS:

Journal Articles of first author or corresponding author:

- [1] Cheng-Zhi Qin, Hui-Ran Gao, **Liang-Jun Zhu***, A-Xing Zhu, Jun-Zhi Liu, and Hui Wu.
2018. Spatial optimization of watershed best management practices based on slope

- position units. *Journal of Soil and Water Conservation*, 73(5):504-517.
doi:10.2489/jswc.73.5.504
- [2] **Liang-Jun Zhu**, A-Xing Zhu, Cheng-Zhi Qin*, and Jun-Zhi Liu. **2018**. Automatic approach for deriving fuzzy slope positions. *Geomorphology*, 304:173-183.
doi:10.1016/j.geomorph.2017.12.024
- [3] Lin Wang, **Liang-Jun Zhu***, A-Xing Zhu, Jun-Zhi Liu, and Lin Shen. **2016**. Effect of spatial unit delineation on simulating non-point source pollution by SWAT model. *Journal of Shenyang Agricultural University (in Chinese with English abstract)*, 47(4):460-466. [王琳, **朱良君***, 朱阿兴, 刘军志, 沈琳. **2016**. SWAT 模型非点源污染模拟对空间单元划分的响应. *沈阳农业大学学报*, 47(4):460-466.] doi:10.3969/j.issn.1000-1700.2016.04.012
- [4] **Liang-Jun Zhu**, Guang-Hui Zhang*, Zhen-Wei Li, and Ren Geng. **2015**. A laser scanner system for rill morphology measurement based on linear structured light. *Mountain Research (in Chinese with English abstract)*, 33(6):770-776. [朱良君, 张光辉*, 李振炜, 耿韧. **2015**. 一种基于线结构光技术的细沟形态测量系统. *山地学报*, 33(6):770-776.] doi:10.16089/j.cnki.1008-2786.000093
- [5] **Liang-Jun Zhu** and Guang-Hui Zhang*. **2013**. Review of measurement and quantification of surface microtopography. *Science of Soil and Water Conservation (in Chinese with English abstract)*, 11(5):114-122. [朱良君, 张光辉*. **2013**. 地表微地形测量及定量化方法研究综述. *中国水土保持科学*, 11(5):114-122.] doi:10.16843/j.sswc.2013.05.018
- [6] **Liang-Jun Zhu**, Guang-Hui Zhang*, Guo-Fang Hu, and Bing Wang. **2013**. Study on evaluating ultrasonic measurement system of overland flow depth. *Journal of Soil and Water Conservation (in Chinese with English abstract)*, 27(1):235-239. [朱良君, 张光辉*, 胡国芳, 王兵. **2013**. 坡面流超声波水深测量系统研究. *水土保持学报*, 27(1):235-239.] doi:10.13870/j.cnki.stbxb.2013.01.044
- [7] **Liang-Jun Zhu**, Guang-Hui Zhang*, and Zong-Ping Ren. **2012**. Comparing four methods for soil infiltration measurement. *Bulletin of Soil and Water Conservation (in Chinese with English abstract)*, 32(6):163-167. [朱良君, 张光辉*, 任宗萍. **2012**. 4 种土壤入渗测定方法的比较. *水土保持通报*, 32(6):163-167.] doi:10.13961/j.cnki.stbctb.2012.06.050

Journal Articles of co-author:

- [8] Hui-Ran Gao, Cheng-Zhi Qin*, **Liang-Jun Zhu**, A-Xing Zhu, Jun-Zhi Liu, and Hui Wu. **2018**. Using slope positions as spatial units for optimizing spatial configuration of watershed management practices. *Journal of Geo-information Science (in Chinese with English abstract)*, 20(6):781-790. [高会然, 秦承志*, 朱良君, 朱阿兴, 刘军志, 吴辉. **2018**. 以坡位为空间配置单元的流域管理措施情景优化方法. *地球信息科学学报*, 20(6):781-790.] doi:10.12082/dqxxkx.2018.170622
- [9] Lun-Jiang Wang, Guang-Hui Zhang*, **Liang-Jun Zhu**, and Hao Wang. **2017**. Biocrust wetting induced change in soil surface roughness as influenced by biocrust type, coverage and wetting patterns. *Geoderma*, 306:1-9. doi:10.1016/j.geoderma.2017.06.032
- [10] Hui-Ran Gao, Lin Shen, Jun-Zhi Liu*, A-Xing Zhu, Cheng-Zhi Qin, **Liang-Jun Zhu**. **2017**. Review on the simulation of non-point source pollution in the Hilly region of Southern China. *Journal of Geo-information Science (in Chinese with English abstract)*, 19(8):1080-1088. [高会然, 沈琳, 刘军志*, 朱阿兴, 秦承志, 朱良君. **2017**. 中国南方丘陵区非点源污染过程模拟研究进展. *地球信息科学学报*, 19(8):1080-1088.]

doi:10.3724/SPJ.1047.2017.01080

- [11] Jing-Chao Jiang, Jie Yu, Cheng-Zhi Qin, Jun-Zhi Liu*, Run-Kui Li, and **Liang-Jun Zhu**, and A-Xing Zhu. **2017**. A knowledge-driven method for intelligent setting of parameters in hydrological modeling. *Geomatics and Information Sciences of Wuhan University (in Chinese with English abstract)*, 42(4):525-530. [江净超, 余洁, 秦承志, 刘军志*, 李润奎, **朱良君**, 朱阿兴. **2017**. 知识驱动下的水文模型参数智能化设置方法. *武汉大学学报·信息科学版*, 42(4):525-530.] doi:10.13203/j.whugis.20150044
- [12] Zong-Ping Ren*, **Liang-Jun Zhu**, Bing Wang, and Sheng-Dong Cheng. **2016**. Soil hydraulic conductivity as affected by vegetation restoration age on the Loess Plateau. *Journal of Arid Land*, 8(4):546-555. doi:10.1007/s40333-016-0010-2
- [13] Jun-Zhi Liu, A-Xing Zhu*, Cheng-Zhi Qin, Jing-Chao Jiang, **Liang-Jun Zhu**, and Lin Shen. **2015**. Parallel computing of watershed process simulation guided by geographical laws. *Journal of Geo-information Science (in Chinese with English abstract)*, 17(5):506-514. [刘军志, 朱阿兴*, 秦承志, 江净超, **朱良君**, 沈琳. **2015**. 论地理规律对流域过程模拟并行计算的指导作用. *地球信息科学*, 17(5):506-514.] doi:10.3724/SPJ.1047.2015.00506
- [14] Guo-Fang Hu, Guang-Hui Zhang*, and **Liang-Jun Zhu**. **2015**. Comparison of three methods to measure depth of overland flow. *Bulletin of Soil and Water Conservation (in Chinese with English abstract)*, 35(3):152-156. [胡国芳, 张光辉*, **朱良君**. **2015**. 3种坡面流水深测量方法比较. *水土保持通报*, 35(3):152-156.] doi:10.13961/j.cnki.stbctb.2015.03.034
- [15] Ren Geng, Guang-Hui Zhang*, Zhen-Wei Li, Guo-Fang Hu, Hao Wang, and **Liang-Jun Zhu**. **2014**. Variation of physical properties and soil organic matter based on the method of stratified sampling. *Journal of Soil and Water Conservation (in Chinese with English abstract)*, 28(6):194-199+205. [耿韧, 张光辉*, 李振伟, 胡国芳, 王浩, **朱良君**. **2014**. 基于分层抽样法的小流域土壤物理性质和有机质差异特征. *水土保持学报*, 28(6):194-199+205.] doi:10.13870/j.cnki.stbcxb.2014.06.036
- [16] Bing Wang, Guang-Hui Zhang*, Yang-Yang Shi, Xun-Chang Zhang, Zong-Pin Ren, and **Liang-Jun Zhu**. **2013**. Effect of natural restoration time of abandoned farmland on soil detachment by overland flow in the Loess Plateau of China. *Earth Surface Processes and Landforms*, 38(14):1725-1734. doi:10.1002/esp.3459

RESEARCH ACTIVITIES

Participating in research projects:

- [1] "Slope position as spatial unit for optimizing scenarios of Beneficial Watershed Management Practices (BMPs) in a unit-boundary adaptive manner", National Natural Science Foundation of China (No. 41871362), 2019-2022, PI: Cheng-Zhi Qin
- [2] "Scenario analysis of organic waste management in Dianbuhe watershed", National Key Technology Innovation Project for Water Pollution Control and Remediation (No. 2013ZX07103006-005), 2013-2016, PI: A-Xing Zhu
- [3] "Development of parallel algorithm for spatial statistics and geographical process simulation", National High-Tech Research and Development Program of China (No. 2011AA120305), 2011-2013, PI: A-Xing Zhu
- [4] "Hundred Talents Program" of the Chinese Academy of Sciences, 2012-2014, PI: Guang-Hui Zhang

- [5] "Research on experimental techniques of soil erosion", Independent research project of State Key Laboratory of Earth Surface Processes and Resource Ecology (No. 2012-ZY-02), 2012-2013, PI: Guang-Hui Zhang

Conference Oral Presentations:

- [1] **朱良君**, 朱阿兴, 秦承志, 刘军志. **2017**. 基于领域知识和数据挖掘的模糊坡位提取自动化方法. *2017 年全国自然地理学大会*, 11.20-22, 南京大学, 南京, 中国.
- [2] **Liang-Jun Zhu**, A-Xing Zhu, Cheng-Zhi Qin, Jun-Zhi Liu. **2017**. An automatic approach of prototype-based fuzzy slope positions. *AAG Annual Meeting*, Apr. 5-9, Boston, USA.
- [3] **Liang-Jun Zhu**, A-Xing Zhu, Cheng-Zhi Qin, Jun-Zhi Liu. **2016**. Automatic approach for deriving fuzzy slope positions. *33rd International Geographical Congress (IGC)*, Aug. 21-25, Beijing, China.
- [4] **朱良君**, 张光辉. **2013**. 基于线结构光技术的细沟形态测量. *中国土壤学会土壤侵蚀与水土保持专业委员会学术年会*, 9.23-24, 华中农业大学, 武汉, 中国.