Mengmeng Li

Institute for Environmental Studies
VU University Amsterdam
https://www.landbigdata.info
mengbjfu@126.com

RESEARCH INTEREST

Land Use Science, Urbanization, Nature Conservation, Risk Assessments, Remote Sensing

EDUCATION

- PhD (2017.11-2023.03) Institute for Environmental Studies (IVM), VU University Amsterdam, The Netherlands
- MSc (2014.09-2017.06) School of Soil and Water Conservation, Beijing Forestry University, China
- BSc (2010.09-2014.06) School of Surveying and Land Information Engineering, Henan Polytechnic University, China

PUBLICATION

Peer-reviewed Article (*Correspondence**)**

- He, T., Hu, Y., Guo, A.*, Chen, Y., Yang, J., **Li, M.**, & Zhang, M. (2024). Quantifying the impact of urban trees on land surface temperature in global cities. *ISPRS Journal of Photogrammetry and Remote Sensing*. DOI: 10.1016/j.isprsjprs.2024.03.007
- Yue, W., Feng, B., Zhou, Q., Xu, R., & **Li, M.*** (2024). An assessment of the Ecological Conservation Redline: unlocking priority areas for conservation. *Journal of Environmental Planning and Management*. DOI: 10.1080/09640568.2022.2145939
- Guo, A., He, T., Yue, W., Xiao, W., Yang, J., Zhang, M., & **Li, M.** (2023). Contribution of urban trees in reducing land surface temperature: Evidence from China's major cities. *International Journal of Applied Earth Observation and Geoinformation*. DOI: 10.1016/j.jag.2023.103570
- Lu, Y., He, T.*, Yue, W., **Li, M.**, Shan, Z., & Zhang, M. (2023). Does cropland threaten urban land use efficiency in the peri-urban area? Evidence from metropolitan areas in China. *Applied Geography*. DOI: 10.1016/j.apgeog.2023.103124
- Guo, A., Yue, W.*, Yang, J., **Li, M.**, Xie, P., He, T., Zhang, M., & Yu, H. (2023). Quantifying the impact of urban ventilation corridors on thermal environment in Chinese megacities. *Ecological Indicators*. DOI: 10.1016/j.ecolind.2023.111072
- Yue, W., Zhou, Q., **Li, M.***, & van Vliet, J. (2023). Relocating built-up land for biodiversity conservation in an uncertain future. *Journal of Environmental Management*. DOI: 10.1016/j.jenvman.2023.118706
- Guo, A., Yue, W.*, Yang, J., Xue, B., Xiao, W., **Li, M.**, He, T., Zhang, Mao., Jin, X., & Zhou, Q. (2023). Cropland abandonment in China: Patterns, drivers, and implications for food security. *Journal of Cleaner Production*. DOI: 10.1016/j.jclepro.2023.138154
- He, T., Wang, K., Xiao, W.*, Xu, S., **Li, M.**, Yang, R., & Yue, W. (2023). Global 30 meters spatiotemporal 3D urban expansion dataset from 1990 to 2010. *Scientific Data*. DOI: 10.1038/s41597-023-02240-w

- Guo, A., Yue, W.*, Yang, J., He, T., Zhang, M., & **Li, M.** (2022). Divergent impact of urban 2D/3D morphology on thermal environment along urban gradients. *Urban Climate*. 45, 101278. DOI: 10.1016/j.uclim.2022.101278
- **Li, M.**, Wang, Y., Rosier, J., Verburg, P.H. & van Vliet, J.* (2022). Global maps of 3D built-up patterns for urban morphological analysis. *International Journal of Applied Earth Observation and Geoinformation*, 114,103048. DOI: 10.1016/j.jag.2022.103048
- Wei, J., Yue, W.*, **Li, M.**, & Gao, J. (2022). Mapping human perception of urban landscape from street-view images: A deep-learning approach. *International Journal of Applied Earth Observation and Geoinformation*, 112, 102886. DOI: 10.1016/j.jag.2022.102886
- **Li, M.***, Verburg, P. H., & van Vliet, J. (2022). Global trends and local variations in land take per person. *Landscape and Urban Planning*, 218, 104308. DOI: 10.1016/j.landurbplan.2021.104308 [*ESI Highly Cited Paper*]
- van Vliet, J.*, Birch-Thomsen, T., Gallardo, M., Hemerijckx, L., Hersperger, A., **Li, M.**, Tumwesigye, S., Twongyirwe, R., & van Rompaey, A. (2020). Bridging the rural-urban dichotomy in land use science. *Journal of Land Use Science*, 15(5), 585-591. DOI: 10.1080/1747423X.2020.1829120
- **Li, M.***, Koks, E., Taubenböck, H., & van Vliet, J. (2020). Continental-scale mapping and analysis of 3D building structure. *Remote Sensing of Environment*, 245, 111859. DOI: 10.1016/j.rse.2020.111859 [*ESI Highly Cited Paper*]
- **Li, M.***, van Vliet, J., Ke, X., & Verburg, P. H. (2019). Mapping settlement systems in China and their change trajectories between 1990 and 2010. *Habitat International*, 94, 102069. DOI: 10.1016/j.habitatint.2019.102069

Peer-reviewed Book/Chapter

- **Li, M.** (2022). Advancing large-scale analysis of human settlements and their dynamics. Doctoral thesis, VU University Amsterdam, the Netherlands. DOI: 10.5463/thesis.9

Working Manuscript

- To be released

REVIEW SERVICE

- Remote Sensing of Environment (8)
- Environment and Planning B: Urban Analytics and City Science (4)
- Habitat International (3)
- International Journal of Applied Earth Observation and Geoinformation (2)
- Ecological Indicators (2)
- Journal of Land Use Science (2)
- Computers, Environment and Urban Systems (1)
- Landscape and Urban Planning (1)
- Natural Hazards and Earth System Sciences (1)
- Nature Sustainability (1)
- Regional Environmental Change (1)
- World Development (1)

TECHNICAL SKILL

- Python (e.g., Pandas, Sci-kit learn, seaborn, ArcPy, and Google APIs)

- JavaScript (e.g., Leaflet, and Google Earth Engine)
- Geographical Information System (GIS)
- Adobe Suite (e.g., Photoshop, Illustrator, and Dreamweaver)

REFEREE

- On request