****Institute for Environmental Studies

**Mengmeng Li**

VU University Amsterdam

<https://www.landbigdata.info>

[mengbjfu@126.com](mailto:mengbjfu@126.com)

[](https://twitter.com/mengbjfu)



**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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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