

HAIYANG LIU

Curriculum Vitae | 2026.07

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Address: Nayoro, Hokkaido, Japan

Personal

Citizenship: China

Education

2025.04–Present Ph.D. Candidate in Forest Field Science, Graduate School of Environmental Science, Hokkaido University, Sapporo, Japan

2020.09–2023.06 M.S. in Biology and Medicine, Chengdu Institute of Biology, University of Chinese Academy of Sciences, Chengdu, China

2015.09–2019.06 B.S. in Physical Geography and Resource Environment, School of Environment and Resources, Shanxi University, Taiyuan, China

Membership [Curtin University Geospatial Intelligence Lab member](#)

Publications

5. Liu, H., Song, Y., Zhang, P., Ren, K., & Wu, Y. (2026). Generalised spatial error for validation. *GIScience & Remote Sensing*, 63(1). <https://doi.org/10.1080/15481603.2026.2690327>
4. Liu, H., Song, Y., Zhang, P., & Yang, N. (2026). Pattern similarity learning for spatially adaptive soil organic carbon mapping. *Journal of Geovisualization and Spatial Analysis*, 10, 37. <https://doi.org/10.1007/s41651-026-00279-y>
3. Liu, H., Song, Y., Yi, W., & Zhang, P. (2026). Degree of geocomplexity for diagnosing spatial pattern loss beyond prediction accuracy. *GIScience & Remote Sensing*, 63(1), 2657087. <https://doi.org/10.1080/15481603.2026.2657087>
2. Liu, H., Song, Y., & Yi, W. (2026). Degree of spatial interpretability. *International Journal of Geographical Information Science*, 1–21. <https://doi.org/10.1080/13658816.2026.2614335>
1. Sun, Y., Wu, G., Song, Y., Liu, H., Wang, L., Zhang, Z., & Hu, J. (2026). Local effects of pattern interactions in driving urbanization. *International Journal of Applied Earth Observation and Geoinformation*, 146, 105072.

Conference Presentation

Liu, H. (2025). *Effects of Sasa mass-flowering and dieback on forest tree regeneration: Preliminary results from a seedling survey in the Nakagawa Experimental Forest*. Poster presented at the JaLTER Open Science Meeting 2025, Nakagawa, Hokkaido, Japan, 2025.10.07–2025.10.08.

Fellowships and Awards

2025–2028 Hokkaido University EXEX Doctoral Fellowship

2026 EXEX Doctoral Fellowship Overseas Co-Learning Program Grant, Hokkaido University

2025.05–2026.05 JASSO Scholarship for Privately Financed International Students

2023 Outstanding Student Award, Chengdu Institute of Biology, Chinese Academy of Sciences

2017 Scholarship for the Second Year of Studies, School of Environment and Resources, Shanxi University

Academic Service

Peer Reviewer:

International Journal of Applied Earth Observation and Geoinformation: 5 reviews

All Earth: 1 review

GIScience & Remote Sensing: 1 review