

## Special Issue

# Spatial Data Science and Knowledge Discovery

### Message from the Guest Editors

We welcome contributions on novel approaches, tools, and case studies in spatial data science and knowledge discovery. Topics of interest include:

- **Spatial Data Mining & Machine Learning:** Algorithms for pattern recognition, clustering, and predictive modeling in geospatial contexts.
- **Spatial Heterogeneity & Drivers:** Analysis of regional disparities, spatiotemporal dynamics, and driving mechanisms using spatial autocorrelation, GWR, or MGWR.
- **3D Modeling & Spatial Digital Twins:** Advances in 3D spatial modeling, urban digital twins, and applications in smart cities, built/natural environments, and cultural heritage.
- **Geospatial Knowledge Graphs:** Integrating domain knowledge with spatial data for improved decision-making in environmental and urban planning.
- **Spatial Sampling & Inference:** Methodological innovations in spatial statistics, uncertainty modeling, and scalable solutions for large datasets.
- **Sustainability Applications:** Case studies on land-use optimization, non-grain cultivation, climate resilience, environmental monitoring, and public health.

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### Guest Editors

Prof. Dr. Jingzhong Li

Dr. Dev Raj Paudyal

Dr. Binbin Lu

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### Deadline for manuscript submissions

31 December 2025



## ISPRS International Journal of Geo- Information

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## About the Journal

### Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

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### Editor-in-Chief

Prof. Dr. Wolfgang Kainz  
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