

Special Issue

The Paradigm Evolution and Technological Integration in Urban Morphology: Contexts, Drivers and Future Scenarios

Message from the Guest Editors

Urban morphology emerged in the 1960s as an approach to analyzing the physical structure of cities by investigating land use, street patterns, plot patterns and building structures. This Special Issue seeks to explore the evolving relationship between urban design paradigms and technological integration while examining future scenarios that may shape more adaptive, inclusive, sustainable and data-informed urban environments. Technologies such as artificial intelligence (AI), digital twins, big data analytics, GIS, immersive visualization and computational modeling. These technologies are redefining how urban spaces are analyzed, planned, designed and experienced. This Special Issue welcomes original research articles, review papers, case studies and conceptual contributions related, but not limited, to the following topics:

- Urban design paradigms and theoretical transitions
- AI, GenAI and machine learning in urban planning
- Urban morphology and data-driven urbanism
- GIS, remote sensing and spatial analytics
- Human-centered and participatory urbanism
- Urban mobility
- Climate and urban
- Future scenarios and speculative urbanism
- Ethical and governance challenges in urban design

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Editor-in-Chief

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