

Special Issue

Intelligent GIS Application in Cities

Message from the Guest Editors

This Special Issue will explore cutting-edge applications of Geographic Information Systems (GISs) integrated with intelligent technologies such as artificial intelligence (AI), machine learning, and big data analytics in the context of urban environments. This Special Issue focuses on how these advancements are transforming spatial analysis, urban planning, infrastructure management, environmental monitoring, and citizen services. The scope includes novel methods, models, and frameworks that harness intelligent GIS to address complex urban challenges, including but not limited to mobility management, spatial planning, environmental sustainability, infrastructure optimization, disaster resilience, and data-informed governance. We invite contributions that demonstrate interdisciplinary innovation, practical deployment, or theoretical advancement in the use of intelligent GIS. This Special Issue complements and extends the existing literature by bridging traditional GIS research with the rapidly evolving field of AI-driven urban analytics. It will serve as a timely resource for scholars, planners, and practitioners aiming to understand and shape the intelligent cities of tomorrow.

Guest Editors

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Deadline for manuscript submissions

30 April 2027



Urban Science

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 3.7



mdpi.com/si/237358

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Message from the Editor-in-Chief

Urban Science is a scholarly international journal which provides a platform for the exchange of theories, ideas, methods, analyses, and comparative studies of urban and regional development. It is a peer-reviewed, open access journal that publishes high quality original articles, theoretical essays, critical reviews, research notes, and shorter communications. Its broad definition of “science” includes both quantitative and qualitative methods of social, environmental, and spatial analysis. There is no restriction on the maximum length of the papers.

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