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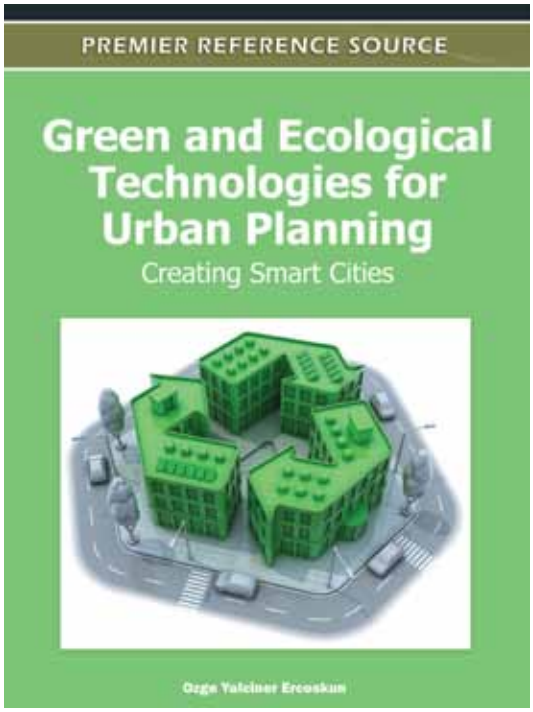
Green and Ecological Technologies for Urban Planning: Creating Smart Cities



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Ozge Yalciner Ercoskun (Gazi University, Turkey)

Ecological and technological (eco-tech) planning provides a possible response to the essential issues of sustainability and rehabilitation in rapidly growing urban spaces.

Green and Ecological Technologies for Urban Planning: Creating Smart Cities addresses the ecological, technological, and social challenges faced in the smart urban planning and design of settlements when using eco-technologies – from sustainable land use to transportation, and from green areas to municipal applications – with a focus on resilience. Containing research from leading international experts, this book provides comprehensive coverage and definitions of the most important issues, concepts, trends, and technologies within the planning field.

Topics Covered:

- Adapting Cities to Ecological and Economic Challenges
- Eco-Municipalities
- Energy Efficient Design
- Intelligent Transportation Systems
- Land-Use Sustainability
- Smart Cities
- Sustainable Urbanism
- Urban and Transport Planning
- Urban Resilience
- Zero Energy Buildings (ZEB)
- Sustainable transportation
- Smart information and communication technologies
- Geographic information systems
- Advanced environmental technologies

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Ozge Yalciner Ercoskun is a Research Assistant in the City and Regional Planning Department of the Gazi University, Ankara, Turkey. She graduated from the City and Regional Planning Department of the Istanbul Technical University in 1998. She completed her Master's studies in the Geodetic and Geographic Information Technologies Department of the METU in 2002. She got her Ph.D. degree from the City and Regional Planning Department of the Gazi University in 2007. She has attended several national and international congresses; summer schools and workshops related to ecological urban planning and geographic information systems. She has written more than 40 papers on sustainable urban design and ecological and smart urban planning, geographic information systems, and information technologies. She worked as a researcher in many national and institutional projects. She has awards about sustainability, urban growth, and sustainable tourism.