

عنوان مقاله:

Integrating Green Infrastructure in Urban Design: Towards Sustainable Cities

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خلاصه مقاله:

Urban areas worldwide face escalating environmental challenges, necessitating innovative approaches for sustainable development. This article explores the integration of green infrastructure in urban design as a strategic pathway towards achieving sustainability. Through a comprehensive review of recent studies and practical implementations, the research examines the multifaceted impacts and outcomes associated with incorporating green elements into urban landscapes. Integrating Green Infrastructure in Urban Design: Towards Sustainable Cities" delves into the transformative role of green infrastructure in urban planning. This scientific exploration underscores the urgency of embedding natural elements within cityscapes to address environmental, social, and economic challenges. We examine various green infrastructure strategies, such as urban forests, green roofs, and vertical gardens, highlighting their benefits in enhancing biodiversity, mitigating urban heat islands, and improving air quality. The abstract also explores the integration of these systems in existing urban frameworks, showcasing case studies where green infrastructure has successfully contributed to sustainable urban development. This research underlines the importance of collaborative efforts among urban planners, architects, and policymakers in fostering green spaces, ultimately advocating for a holistic approach to urban design that harmonically blends nature with the built environment. The findings aim to provide actionable insights for cities striving towards sustainability, resilience, and improved quality of life for their inhabitants

کلمات کلیدی:

Green Infrastructure, Green Roofs, Innovative Cityscapes, Climate Resilience

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