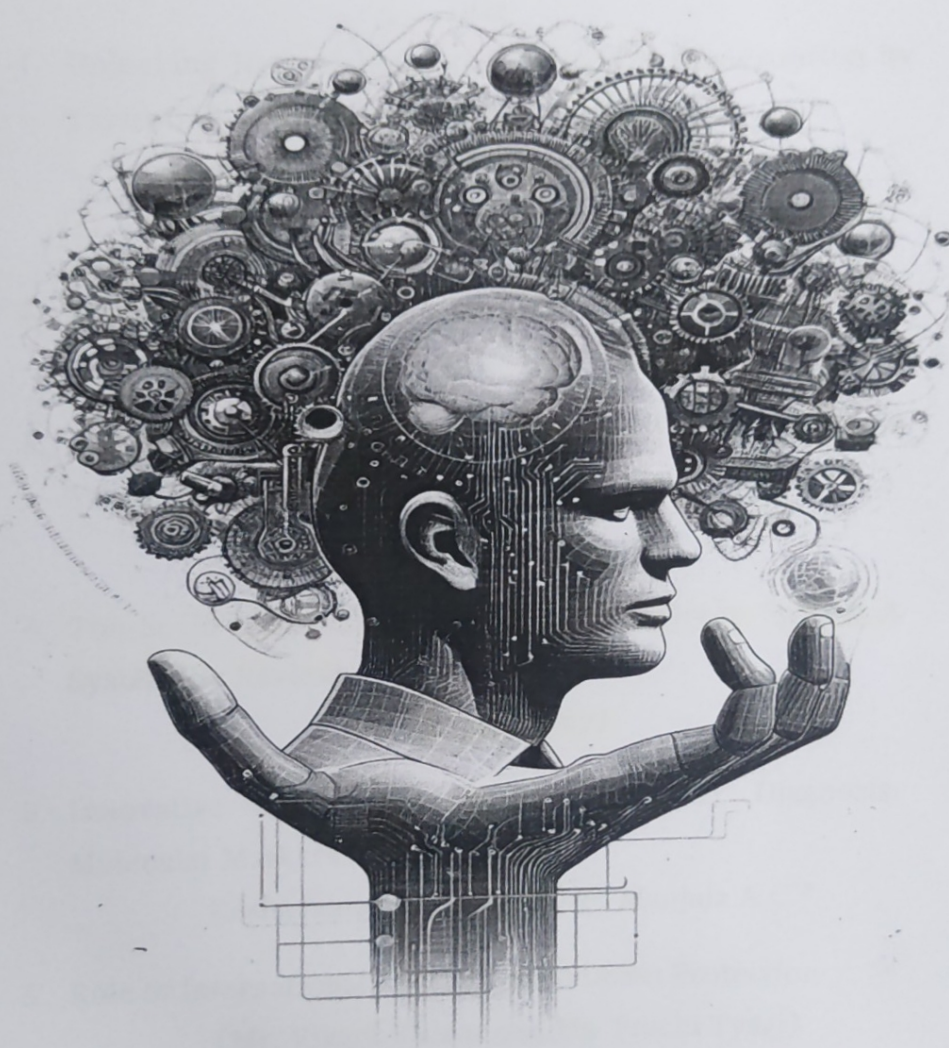


INTERDISCIPLINARY ILLUMINATION

UNVEILING UNCHARTED RESEARCH PATHS



Editors

Dr. R. K. Saran

Dr. Umamah Mufti

Dr. M. Sasirekhamani



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4. The Socio-Economic Benefits of Urban Green Spaces: A Systematic Review

Pranoy Dey

Assistant Professor, Department of Geography, Birpara College

Alipurduar, West Bengal, Pin- 735204

Email: pranoy.dey93@gmail.com

Abstract:

In recent times, the concept of creating green cities has gained worldwide recognition. This approach seeks to tackle the challenges posed by increased urbanization, population expansion and climate change. Urban green spaces (UGS) are crucial assets that can assist cities in mitigating the negative impacts of rapid urbanization and urban sprawl in a sustainable manner. Urban green spaces serve a crucial role in cities by acting as a source of oxygen, reducing urban heat, acting as a barrier against dangerous air pollution, and providing considerable environmental, social, and economic advantages to the city. Nevertheless, the significance of underground gas storage (UGS) as a crucial sector in urban design is consistently overlooked. However, while being widely appreciated, UGS is often seen as a problem and not considered a valuable asset in the planning and development process. Therefore, the objective of this study is to comprehend the numerous advantages of developing urban green spaces within the context of modern urban sustainability discourse.

Keywords: Urban Green Space, Urbanization, Climate Change, Socio Economic Benefits Sustainability

1. Introduction:

Urban green spaces offer a diverse variety of applications and has a substantial impact on an urban environment. They play a crucial role in creating peaceful urban environments by mitigating environmental stress, reducing excessive noise, and alleviating traffic congestion. The primary strategy to counteract the negative impacts of fast urbanization and urban sprawl in a sustainable manner is to prioritize the expansion of green spaces in metropolitan areas. The research on the advantages of urban green space has garnered significant interest from numerous experts. Western researchers prioritize the assessment of urban green space (UGS) quality, as defined by Miller (2005), who has classified the functions and quality of UGS into three categories: engineering function, architectural and beautifying function, and environmental and climatic function. Recently, scholars worldwide, both in the western and Asian regions, have been influenced by the notion of sustainable development approach

The rapid advancement of science and technology in the 21st century has opened up a plethora of new research avenues, many of which lie at the intersection of traditional disciplines. This edited volume, "Interdisciplinary Illumination: Unveiling Uncharted Research Paths," seeks to explore these emerging frontiers by bringing together a diverse array of perspectives from various fields. Our goal is to foster a deeper understanding of how interdisciplinary approaches can lead to groundbreaking discoveries and innovative solutions to complex problems. In this book, we present a collection of chapters written by leading experts and pioneering researchers who have embraced the interdisciplinary ethos. These contributions span a wide range of topics, from the convergence of biology and nanotechnology to the integration of environmental science with social sciences. By highlighting the synergies between distinct fields, we aim to showcase the transformative potential of interdisciplinary research.

Editors

Dr. R.K. Saran

Dr. Umamah Mufti

Dr. M. Sasirekhamani

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