



Sustainable Rural Development: Advances on Rural Digitization and Smart Village Construction

Guest Editors:

Dr. Meimei Wang

College of Earth and
Environmental Sciences,
Lanzhou University, Lanzhou
730000, China

Dr. Zihan Cai

School of Architecture and
Artistic Design, Hebei University
of Technology, Tianjin 300130,
China

Sidong Zhao

School of Architecture, Southeast
University, Nanjing 211189, China

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

Dear colleagues,

With the rise of Smart Earth, both urban and rural areas have been undergoing global digital development. This is made possible by the use of cutting-edge technologies like big data, cloud computing, artificial intelligence, and the Internet of Things. As digital cities and smart cities become more advanced, there is now an important opportunity for traditional villages to undergo a digital revolution and development. This has led to the trend of constructing digital villages and smart villages. Therefore, we are seeking original research articles that focus on rural sustainability and planning, with an emphasis on rural digitization and smart village construction. We welcome contributions on various topics, including the opportunities and challenges of rural digitization, planning and construction of digital and smart villages, integration of digital villages and smart cities, rural infrastructure construction, application of new technologies in rural areas, evaluation and response strategies for rurality and sustainability, population and land use changes, and many more. We look forward to your contributions.

Best regards,

Guest Editors





Editor-in-Chief

Prof. Dr. David Arditi

Construction Engineering and Management Program,
Department of Civil,
Architectural, and Environmental
Engineering, Illinois Institute of
Technology, 3201 South
Dearborn Street, Chicago, IL
60616, USA

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Civil*) / CiteScore - Q1 (Architecture)

Contact Us

Buildings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/buildings
buildings@mdpi.com
X@Buildings_MDPI