Special Issue Reprint

Research towards the Green and Sustainable Buildings and Cities

www.mdpi.com/books/reprint/11516

Edited by
Haibo Guo
Bolun Zhao

Our era is at a pivotal juncture, calling for profound transformation in shaping the built environment. Challenges such as global climate change, depletion of energy resources, escalating greenhouse gas emissions, and the multifaceted demands of sustainable development in traditional architecture highlight the urgent need to reimagine architectural paradigms. There is growing consensus on the crucial importance of adopting energy-efficient, environmentally conscious, and sustainable building practices.

Emerging technologies—including green building techniques, artificial intelligence, and digital twins—are redefining sustainable architecture. They enable the design and operation of eco-friendly buildings in previously unimaginable ways. Simultaneously, preserving architectural heritage and culture introduces further complexity. Revitalizing traditional methods, protecting cultural heritage, and renewing communities collectively shape the essence of sustainable building, blending tradition with innovation.

These challenges underscore the need for multidisciplinary collaboration and innovative solutions. Addressing them offers a unique opportunity to steer architecture toward a sustainable future. This transformation extends beyond environmental concerns to include heritage preservation, community enhancement, and exploring new frontiers in sustainable architecture.

MDPI

Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/11516

MDPI\Books
Publishing Open Access Books & Series

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.

Open Access
Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.

Author Focus
Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.

High Quality & Rapid Publication
MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.

High Visibility
Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).

Print on Demand and Multiple Formats
MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.

Learn more ▶ mdpi.com/books