

## Special Issue

# Carbon Management and Decarbonization Pathways in Buildings and Infrastructure

### Message from the Guest Editors

The built environment, including buildings and infrastructure, significantly contributes to global carbon emissions. To achieve ambitious climate targets, it is essential to explore comprehensive carbon management strategies and decarbonization pathways within this sector. This Special Issue invites innovative research focusing on cutting-edge methods, technologies, and policies aimed at reducing carbon footprints, enhancing energy efficiency, and promoting sustainable development in buildings and infrastructure. Topics of interest include lifecycle carbon analysis, renewable integration, intelligent energy management systems, sustainable construction materials, and policy frameworks that drive effective decarbonization. Additionally, we encourage submissions that address emerging trends, such as digitalization, smart buildings, urban planning strategies, climate resilience, and circular economy practices. We welcome contributions from multidisciplinary perspectives, providing actionable insights to advance global sustainability efforts.

### Guest Editors

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### Deadline for manuscript submissions

30 April 2026



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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

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