

Special Issue

Indoor Environmental Quality and Green Energy: Towards Sustainable Building Energy Development

Message from the Guest Editors

Achieving an optimal indoor environment quality (IEQ) level within a building is important to occupants' health, wellbeing, and productivity. The advent of the COVID-19 pandemic across the globe accorded IEQ substantial attention and elucidated the urgent need for better design and management for indoor spaces. A poor IEQ can lead to various health issues and associated costs in residential and commercial buildings. With population growth and people spending more time indoors, healthier buildings are now required. Green energy uses renewable energy sources and reduces the reliance on fossil fuels and greenhouse gas emissions (GHG). With innovative technologies and strategies, green energy has advanced in providing sufficient energy for buildings. In particular, these technologies can support lifecycle building operations, ensuring the continuous provision of optimal IEQ levels. This Special Issue aims to highlight recent studies, policies, and trends in IEQ and green energy with the aim of increasing knowledge and documenting technological advancements in this field.

Guest Editors

Dr. Eziaku Onyeizu-Rasheed

Dr. Priya Vishnu

Dr. Wajiha Mohsin Shahzad

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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