

Special Issue

Energy Efficiency and Environmental Performance in Buildings

Message from the Guest Editors

Thermal energy for heating and cooling buildings accounts for quite a considerable part of the entire energy produced in the world. Heat exchange with the environment surrounding buildings plays a significant role here. An effort is made to maintain a specific temperature to ensure thermal comfort inside a building, but the air temperature outside the building changes continuously under the influence of many factors. The sustainable integration of buildings into the environment and interaction with it is the main task of this Special Issue. Studies focused on the development of renewable energy sources and their integration into buildings' heating and cooling systems and electricity, utilization of ground and ground-water heat, coolness, and thermal accumulation properties, and the challenges of engineering networks are welcome to be submitted. Research areas may include (but are not limited to) the following: Buildings energy efficiency; Integration of renewable energy sources into engineering systems of buildings; Utilization of ground heat or coolness; Heat accumulation; Groundwater; Rainwater harvesting from roofs; Water supply and sewage.

Guest Editors

Prof. Dr. Tadas Zdankus

Faculty of Civil Engineering and Architecture, Kaunas University of Technology, Studentu Str. 48, LT-51367 Kaunas, Lithuania

Dr. Juozas Vaiciunas

Faculty of Civil Engineering and Architecture, Kaunas University of Technology, Studentu Str. 48, LT-51367 Kaunas, Lithuania

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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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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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