



Indoor Air Quality and Health Outcomes in Energy-Efficient Buildings

Guest Editor:

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Message from the Guest Editor

Improving the energy efficiency of buildings is an important approach to reduce greenhouse gas emissions, as energy consumed by buildings contributes 20–40% of emissions and total energy consumption around the world. End-use energy expenditures were identified, and over half of them were attributable to heating, ventilating, and cooling. The environmental impact of these energy expenditures has been well documented; greenhouse gases emitted during power production are associated with climate change impacts including rising sea level, extreme temperatures, and more frequent weather events. Emissions of sulfur dioxide (SO₂) contribute to acid rain, which can damage sensitive ecosystems. More important, however, are the downstream human health effects related to these environmental impacts. Elevated temperatures and droughts will increase the likelihood of heat-related illness and mortality. Extreme weather effects also pose health and economic risks, especially in developing regions.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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