



Energy-Efficient Building Design with Indoor Air Quality Considered

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editor

Dear Colleagues,

This Special Issue welcomes studies that deal with needs assessment in existing buildings, performance evaluation of ventilation systems in both residential and commercial buildings, indoor contaminant transport, air distribution, and airflow control in conjunction with building design and energy efficiency. The topics of interest for publication include, but are not limited to:

- Indoor environment and energy efficiency in buildings;
- Air change rates and indoor air quality;
- Ventilation systems in relation to the COVID-19 pandemic;
- Ventilation strategies to reduce indoor transmission of airborne infections;
- Designing air distribution for resilience during pandemics;
- Peoples' experiences and expectations of indoor environments during the pandemic;
- Strategies for safe and healthy environments during pandemics;
- Building energy efficiency in relation to indoor air quality;
- Building and HVAC control for indoor environmental quality (IEQ);
- Indoor climate in relation to indoor air quality;
- Simulations of the transport and spreading of airborne infectious agents in buildings;
- Influence of ventilation on the risk of infection transmission.





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Message from the Editor-in-Chief

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