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Advanced Technologies on Indoor Environment Quality in Sustainable Buildings

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Message from the Guest Editors

Ventilation is the most common method of indoor air quality control in practice. The outdoor air supply rate prescribed by existing ventilation standards and guidelines is in the range of 2.5~10 L/s per person. It has been reported that around 40% of building energy is used for ventilation and associated air conditioning. Some studies have found that a higher ventilation rate (over 25 L/s per person) would be required to minimize the prevalence of SBS symptoms. This is hardly acceptable from an energy point of view. Some suitable strategies are implemented to assure both indoor air quality and affordable energy performance, such as the coupling operation of ventilation and air cleaning. Climate change requires that the built environment is decarbonized, and advanced technologies with energy efficiency are encouraged to assure the indoor air quality. *Sustainability* provides an important platform to share emerging knowledge and technologies directed to environmental control in buildings. Therefore, this Special Issue will focus on the research works using innovative technologies to build a sustainable future for indoor air quality in the built environment.

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Message from the Editor-in-Chief

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