Special Issue

Microenvironmental Air Pollution Control, Comfort and Health Risk

Message from the Guest Editors

The air pollution of the microenvironment can have a great impact on the health, comfort, and well-being of its occupants. Indoor air pollution is a growing concern, due to the wide variety of sources that contribute to the contamination of spaces. Microenvironmental air pollutants can be generated by both indoor sources (e.g., cooking, cleaning products, smoking, building-related pollutants, furniture) and outdoor sources (e.g. vehicles, industry), whose pollutants can enter into buildings through windows and/or air ventilation systems. Volatile organic compounds (VOCs), carbon oxides (CO2, CO), benzene (C6H6), sulfur dioxide (SO2), ozone (O3), oxides of nitrogen (NO, NO2) and particulate matter (PM) can be considered the main microenvironmental air pollutants. Microenvironmental air pollution can have serious impacts on health, it can contribute to respiratory diseases such as asthma and chronic obstructive pulmonary disease, as well as cardiovascular disease, cancer, and other health problems. This Special Issue considers this context and welcomes original research articles and reviews.

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