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Exposure to Indoor CO_2 and Human Response

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Deadline for manuscript submissions:
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Message from the Guest Editors

Indoor carbon dioxide (CO2) is considered not only a proxy for ventilation but also a key pollutant affecting indoor air quality and occupant health. While the adverse effects of indoor CO2 have been extensively documented, several key scientific questions remain unanswered. These include identifying the critical concentrations of indoor CO2 that significantly affect human health, cognitive performance, and psychophysiological responses.

In recognition of these research needs, this Special Issue is being organized to showcase advanced and multidisciplinary research efforts exploring the relationship between indoor CO2 and human responses, including but not limited to health, comfort, cognitive function, task performance, and psychophysiological changes. Original or reviewed results from field or controlled measurements, subjective surveys, epidemiological models, and numerical simulations are all welcome contributions. Authors are encouraged to provide scientific evidence or practical suggestions to guide the development of new policies and standards for creating healthier and more productive indoor environments.

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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