



Indoor Air Quality and Health in Vehicles

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Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editors

Air pollution is a public health emergency, both indoors and outdoors, although indoor environments are less studied. Nevertheless, people spend most of their time in indoor environments, which includes built environments (e.g., households, offices and schools), but also means of transport, which are usually neglected in air pollution and health studies. Indoor air quality and health studies on vehicles are still scarce and scattered, although both drivers and passengers may be exposed to high levels of air pollution during travel time, either from surrounding fixed or mobile sources or from internal and external vehicle emissions. Several pollutants are expected to highly contribute to human exposure inside vehicles, namely particulate matter, especially ultrafine particles, volatile organic compounds (VOCs) and carbon dioxide (CO₂). Drivers' and passengers' exposures are expected to cause health impacts that can vary from affecting driver performance to chronic health effects.





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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. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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Environmental Research and Public
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