



Polycyclic Aromatic Hydrocarbons: Sources, Monitoring, and Health Effects

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Message from the Guest Editors

Polycyclic aromatic hydrocarbons (PAHs) are ubiquitous environmental pollutants with certain or possible carcinogenicity and mutagenicity. Exposure to airborne PAHs and their derivatives results in adverse health outcomes for susceptible and occupational groups and increases health risks for the general population. In addition, the short- and long-range transport of PAHs raises challenges for changing the composition and toxicity of local and regional aerosols. Meanwhile, parent and substituted PAHs in the atmosphere can be deposited into soil or water to participate in the ecological circulation. Consequently, PAHs pose a serious threat to both ecosystems and humans. At present, there are large uncertainties in the source, fate, and health effects of PAHs in the environment under the combined action of mixed primary emissions, secondary formation, and complex meteorology.

Therefore, this Special Issue aims to solicit research on these issues from different disciplines and regions in order to improve our understanding of the characteristics, variation trends, and impact of PAHs, and hence to support air pollution mitigation strategies.





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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. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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