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Odor and VOCs: Human Perception, Sensing, and Treatment

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Message from the Guest Editor

The chemical composition of odor is often found to consist of various chemical components with diverse source characteristics. Because of the potential of certain odorants to act at considerably small threshold concentrations, their mental and psychological impact is stressed more frequently than others. It is in fact known that some of these compounds, when accumulated beyond the certain concentration range, can exert toxic effects on human beings. However, the context of its perception varies greatly between different humans and between different mental statuses of each person. Hence, odor is often designated as the main target of sensory pollution regulation. At present, the assessment of odor pollution is generally made either by indirect means such as quantitative analysis based on instrumental detection or by the use of direct (sensory or olfactometry) methods. In this Special Issue, we would like to invite all types of research efforts focusing on odor perception, odor sensing (including material-based sensing, e-nose, instrumental detection, and all associated fields), and odor treatment techniques.

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Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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