

## Special Issue

# Understanding and Optimising the Use of Urban Plants in Managing Urban Air Pollution

### Message from the Guest Editors

Urban air pollution is a complex mixture of gases and particulate matter originating from a variety of sources, which then concentrates, disperses, or deposits from the atmosphere, according to the local climate, topography, urban structures, and vegetation. This Special Issue is seeking original, unpublished papers that advance our understanding towards the effective use of plants in reducing the concentration of pollution in urban atmospheres. We particularly welcome papers from empirical research, modelling, remote-sensing, urban planning, design and decision support tools, citizen science approaches, fundamental plant science, social sciences, and specific case-studies, which span a range of spatial scales. The aims of these collected works are to offer new insights towards the optimisation of species, planting designs, and effective spatial planning techniques for the effective deployment of vegetation to reduce air pollution in the urban environment.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 October 2020)



## Environments

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CiteScore 5.7



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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Sergio Ulgiati

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#### Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).