



## Ornamental Trees Mapping and Airborne Pollen Modelling in Urban Areas Based on GIS and Remote Sensing Techniques

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Deadline for manuscript submissions:

**closed (31 December 2021)**

### Message from the Guest Editors

Dear Colleagues,

Although ornamental trees in urban environments are beneficial for people considering psychological, well-being, and aesthetic aspects, they also are a relevant cause of allergy due to the released airborne pollen, which is often overlooked by urban planners. Due to the increasing urban population and because they are simultaneously affected by the exposure to other pollutants, affecting also the allergenicity power for their pollen grains, this number of sensitized people is predicted to increase in the future.

Thus, the evaluation of local factors influencing pollen dispersion, mapping the sources within the cities and possible modeling, can be used to enhance urban air quality and to detect possible non-obvious patterns within this distribution and their effects. These issues should be other elements to consider in green infrastructure design and urban environmental planning. This Special Issue aims to enlighten how GIS and remote sensing techniques can be useful to reach an enhancement in urban air quality by studying aerobiological particles and their emission sources.





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