



## Effects of Urban Forests on Air Pollution

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### Message from the Guest Editor

Trees in urban areas can both contribute to and remove pollutants from the air over cities. Unprecedented levels of air pollution have occurred in major cities around the world in recent years. This trend has been accompanied by the growth of municipal areas and the loss of tree canopy cover in urban areas. Research is needed to better understand the mechanisms employed by trees to remove pollutants from the air and the biochemistry of pollutant production by trees. We are also in need of a greater understanding of the differences in air pollution removal and production by different tree species and tree characteristics account for these differences. Additionally, research is needed to extrapolate individual tree characteristics to an entire urban forest to better understand the capacity of existing or planned urban forests to effect air pollution in our cities. We encourage studies from all field related to the effects of trees on air pollution to contribute to this special issue. Such information will inform researchers in the fields of air pollution, tree physiology, and urban forestry as well as landscape architects, arborists, and urban planners.





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