



forests

an Open Access Journal by MDPI



Effects of Urban Forests on Air Pollution

Guest Editor:

Prof. Emeritus Joe R. McBride

Departments of Environmental
Science, Policy and Management
and Landscape Architecture and
Environmental Planning,
University of California, Berkeley,
CA 94720, USA

Deadline for manuscript
submissions:

closed (31 July 2020)

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.



mdpi.com/si/39759

Special Issue



forests



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access.

Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank: JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Contact Us

Forests Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
[X@Forests_MDPI](https://twitter.com/Forests_MDPI)