

Special Issue

Effects of Urban Forests on Air Pollution

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.

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)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.4



mdpi.com/si/39759

Forests

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)





Forests

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.4



[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)



About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

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

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).