



The Effect of Vehicle Emissions on Secondary Aerosol and Air Quality

Guest Editor:

Dr. Covadonga Astorga

European Commission Joint
Research Centre, Directorate for
Energy, Transport and Climate,
Sustainable Transport Unit,
21027 Ispra, VA, Italy

Deadline for manuscript
submissions:

closed (15 March 2022)

Message from the Guest Editor

Dear Colleagues,

During the last decade, some areas have achieved a considerable reduction of particle matter and NO_x thanks to more stringent emission regulations and constant efforts to improve the technology applied to all means of transport. Despite the improvement, many urban areas still show values of air pollutants above the limits recommended by the WHO guidelines. Moreover, there are still compounds which can be attributed to transport and not yet regulated in many countries or regions worldwide, although they can be equally harmful and have adverse health effects in the population.

In this Special Issue, we invite submissions exploring transport emissions, both regulated and unregulated (e.g., ammonia, VOCs, aldehydes, organic compounds, and metals from tyres and brake abrasion). Manuscripts which aim to improve the knowledge on reactivity of primary emissions, secondary aerosols, photochemical smog, and ozone formation which can be attributed to transport sources are welcome. Contributions can also focus on local, regional, or global air quality modelling considering meteorological effects.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci