

Special Issue

Sustainable Air Quality Management and Monitoring

Message from the Guest Editors

Since the Industrial Revolution, air pollution has been a significant anthropogenic challenge, driving climate change, degrading environmental quality, and causing millions of deaths annually. Today, 99% of global cities fail to meet WHO air quality standards, highlighting the urgent need for sustainable air quality management and enhanced monitoring. Developing countries face significant barriers in governance, funding, and technical capacity, which impede the development of long-term solutions. While some regions benefit from advanced monitoring networks and the wide application of low-cost sensors, the Global South continues to lag, although innovations such as remote sensing, low-cost sensors, and machine learning offer promise. This Special Issue invites original research, reviews, and case studies on sustainable air quality strategies, with a focus on low-cost sensor deployment, policy frameworks, and successful implementation techniques. We encourage submissions that showcase practical solutions and governance models, particularly in underserved regions, to bridge the monitoring gap and promote healthier, more sustainable environments.

Guest Editors

Prof. Dr. Rasa Zalakeviciute

Facultad de Ingenierías y Ciencias Aplicadas, Universidad de Las Américas, Quito, Ecuador

Prof. Dr. Fidel Vallejo Gallardo

Industrial Engineering, National University of Chimborazo, Riobamba 060108, Ecuador

Deadline for manuscript submissions

31 July 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/253475

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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