Special Issue

Sustainable City: Innovative Technologies for Air Quality Monitoring and Assessment

Message from the Guest Editors

Regulatory air quality monitoring is performed using complicated, bulky and expensive fixed stations, which deliver accurate measurements but at a limited number of points, thus failing to convey a thorough air pollution picture of an urban area. Towards a sustainable city, innovative non-regulatory air quality sensors are receiving greater attention due to their low cost, small size and low power consumption. Their capability of capturing air pollution spatio-temporal variability makes them an efficient supplementing monitoring option, also assisting in creating pollutant emission inventories, detecting pollution hotspots, or designing mitigation strategies. Innovative air quality monitoring paves the way for a novel smart mobility or air quality citizen science. This special issue welcomes research articles contributing on:

- Innovative non-regulatory air quality sensors
- High resolution air quality monitoring networks
- Real-time air quality information technologies
- Real-time mobile air quality monitoring
- High-resolution air pollutant dispersion modelling
- Assessment of road traffic restrictions
- Air quality mitigation strategies
- Air quality citizen science

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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. *Sustainability* publishes original research articles, review 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.

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