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The Application of Remote Sensing in Sustainable Air Quality Monitoring

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

According to the World Health Organization (WHO), air pollution has become a global environmental burden. In order to prevent further worsening of air pollution, protect public health, and reduce economic losses, many countries have taken significant measures to improve their air quality. Ground-based monitoring sites have been monitored around the world, but the spatial coverage is lacking and inhomogeneous. To overcome this issue, space-borne remote sensing has been widely used to obtain spatially continuous air quality information. However, many of these studies focus on data fusion or reconstruction rather than monitoring, which is vital for providing timely and detailed air quality information.

This Special Issue is organized to develop and advance air quality monitoring at an urban, national, or global scale through remote sensing. The submissions are encouraged from interdisciplinary fields (environment science, atmospheric science, engineering, health, and other scientific areas) focused on improving the accuracy, practicability, and innovative approaches to air quality monitoring.

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Message from the Editor-in-Chief

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