

Special Issue

Case Studies on Wind Turbine Noise

Message from the Guest Editors

Wind energy is a key pillar in the transition to a more sustainable and low-carbon future. However, one of its major drawbacks is the noise generated by wind turbines, which has been reported to be a significant source of annoyance and sleep disturbance for nearby communities. Although wind turbines are rapidly expanding around the world, the scientific literature contains few detailed cases that assess the actual exposure to noise from wind turbines. To address this gap, this Special Issue aims to collect papers that provide empirical insights into the acoustic impact of wind turbines. We welcome original research articles and case studies that evaluate noise levels, their impact on human well-being, mitigation strategies, and the influence of regulatory frameworks. By consolidating evidence from different regions, this Special Issue aims to improve our understanding of wind turbine noise, promote best practice, and guide future international policy to ensure the sustainable deployment of wind energy.

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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. 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.

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