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Advanced Structural Response and Performance of Wind Turbines

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submissions:

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Message from the Guest Editors

Dear Colleagues,

The increasing attention to distributed power generation for smart cities and green buildings has been accompanied by a large interest in micro and small wind turbines. However, this growing interest is not accompanied by appropriate technological improvement; therefore, they still play a marginal role in energy production. In this context, a stark contrast exists between the potential and reality, which appears even more striking when compared to the large wind-turbine sector.

This Special Issue welcomes research addressing the aforementioned topics, considering both the efficiency of the power plant and the assessment of the structural behaviour of vertical or horizontal small-sized wind turbines. Contributions regarding experimental tests, in-field installations, and full-scale monitoring are also welcome, as well as research papers developing calculation procedures of the load modelling and dynamic response that are useful for the design and new certification standards.

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Dr. Luisa Pagnini

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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