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Impact of Climate Change on Wave Energy Resources

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Deadline for manuscript submissions:
closed (31 August 2021)

Message from the Guest Editors

Dear colleagues,

Climate change generates impacts on the environment, including potential changes in wind and atmospheric pressure patterns that in turn modify hydrodynamic features like the wave climate. In addition, sea level rise (SLR) will increase the water depth in coastal areas, altering wave propagation conditions. As a consequence, wave energy resources and the energy output from wave energy converters (WECs) may change substantially.

This Special Issue of *Energies* calls for innovative research, case studies, reviews and assessment papers (at the local, regional or global scale) in the following topics:

- Changes in wave energy resources in coastal areas due to alterations in wave climate.
- Changes in WEC output as a consequence of variations in wave climate.
- Impacts on coastal hydrodynamics generated by WEC farms under the new wave conditions.

Papers dealing with WEC survivality and adaptation measures to prevent or reduce such impacts will also be welcome. In addition, contributions that describe the socioeconomic consequences of the aforementioned impacts also fit the scope of this Special Issue.

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Message from the Editor-in-Chief

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