



Recent Advances in Wave Energy Resource Assessment

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Message from the Guest Editors

Dear Colleagues,

Accurate wave energy resource assessments are fundamental to support the development of the wave energy sector, and thus provide valuable information to secure the key steps of a wave energy project and guarantee capital investment and economic return. Numerous resource assessments are therefore conducted to optimize the location, design, and selection of wave energy converters. This Special Issue aims to highlight and promote wave energy resource assessments based on the latest original approaches. Thus, we particularly encourage recent investigations with improved numerical simulations, machine-learning techniques and observations, as well as advanced analyses and interpretations discussing uncertainties and biases, data assimilation, sustainability of resources, expected performances of energy converters, potential environmental impacts of energy extraction, future wave-climate projections, new criteria, novel energy metrics, or selection indices.





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