



Modeling and Operation of Renewable Energy System

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Message from the Guest Editors

The generation and use of renewable energy have become a priority of the global agendas for sustainability, since they can help to increase energy access, lower atmospheric emissions, and promote climate impact mitigation. In the coming years, energy conversion processes will face significant changes, creating opportunities for research, development, and investments. In this scenario, the development of models to represent the behavior of renewable energy generation and conversion systems becomes fundamental, as it contributes to mastering their design and operation techniques, allowing the comparison of different project alternatives, and control and operation strategies.

The purpose of this Special Edition of *Processes* is to present the latest methodological developments in the modeling of renewable energy systems, as well as to discuss results obtained during the operation of these systems, whether at the level of prototype demonstration or industrial applications.





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Message from the Editor-in-Chief

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