

## Special Issue

# Renewable Energy Systems 2020

### Message from the Guest Editor

This Special Issue aims at collecting the most significant and recent studies dealing with the integration of renewable technologies into new or existing water, electricity, heating, and cooling networks. You are encouraged to submit manuscripts analyzing the possible utilization of renewables for multiple purposes (power production, heating, cooling, water management, transports), aiming at increasing the diffusion of such sources into our energy systems. Papers investigating novel electrical and thermal storage systems, as well as the adoption of electrical vehicles, are welcome, too. The topics of primary interest include but are not limited to:

- Energy planning
- Polygeneration systems based on renewables
- Advanced thermal storage
- Advanced electrical storage: compressed air energy storage (CAES), flying wheels, supercapacitors, etc.
- District heating and cooling systems
- Water pumping by renewables
- Thermally-driven water desalination
- Electrically-driven water desalination
- Integration of renewables with transportation, electrical vehicles

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### Guest Editor

Dr. Maria Vicidomini

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### Deadline for manuscript submissions

closed (31 December 2020)



## Applied Sciences

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Impact Factor 2.5  
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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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