

## Special Issue

# Novel Approaches to the Integration of Renewable Energy Sources on Islands

### Message from the Guest Editors

This Special Issue aims to present best practices on the integration of renewable energy sources on islands.

Many islands are already leaders in terms of RES integration and energy transition from the fossil-based energy sector to zero carbon. Many innovative projects are hosted in islands to demonstrate new approaches, technologies, and innovative solutions in order to deal with the challenges of the energy transition. Most of the islands experience high energy costs, high energy dependence, strong seasonal variations of the demand, and high availability of abundant RES potential (mainly wind and solar). As a result, the focus of this Special Issue is on best practices, projects, and studies applied in islands (technical issues, interconnections, Green islands, innovative projects, hybrid solutions, storage options, hydro pumped storage, batteries, demand side management, combination of electricity with heat and transport, electrical cars, desalination, land planning issues, social issues, policy, etc.).

- islands
- RES integration
- energy transition
- wind energy
- solar energy
- storage
- hydro pumped storage
- smart islands
- hydrogen

### Guest Editors

Dr. George Caralis

Dr. Petros Chasapogiannis

Prof. Dr. Vasilis Riziotis

### Deadline for manuscript submissions

closed (10 May 2023)



## Applied Sciences

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### 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

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