



## State-of-the-Art and Applications of Renewable Energies in Europe

Guest Editors:

**Dr. Marco Bortolini**

Department of Industrial  
Engineering, Alma Mater  
Studiorum – University of  
Bologna, Viale del Risorgimento  
2, 40136 Bologna, Italy

**Prof. Dr. Mauro Gamberi**

Department of Industrial  
Engineering, University of  
Bologna, 40136 Bologna BO, Italy

Deadline for manuscript  
submissions:

**closed (31 December 2019)**

### Message from the Guest Editors

Dear Colleagues,

Within the European community, at all the institutional, industrial and social levels, the attention toward the spread of renewables, e.g., solar, wind, hydro, biomass, geothermal, etc., to increase their incidence in the country energy mix is increasing to mark the transition toward a long-term, sustainable green development based on green energies. Particularly, the ‘2030 Framework for climate and energy’ approved by the EU Council in 2014 set ambitious targets to achieve a more competitive, secure and sustainable energy system.

The goal of this Special Issue is to gather up the current state-of-the-art and relevant practical applications of the renewables held in EU area. Contributions (original papers and review articles) from researchers and practitioners active in the fields of estimating, using and managing the renewable sources are welcomed and strongly encouraged.

### Keywords

- renewable energies
- green energy system
- energy prediction
- hybrid energy technologies
- smart-grid, energy model
- energy engineering
- green economy





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

---

Applied Sciences Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)