

Special Issue

Bringing Value to the Production and Consumption Patterns through Energy Saving

Message from the Guest Editors

Energy is critical for achieving almost all of the UN Sustainable Development Goals, from the eradication of poverty to combating climate change. Under this overall energy framework, the main challenges to reaching sustainable energy models include progress in energy efficiency; safe, clean, and connected mobility; deployment of renewables; competitive industry and circular economy; bio-economy and natural carbon sinks; and carbon capture and storage to address remaining emissions. These challenges are a valuable opportunity to transform our current production and consumption systems into a more sustainable models. This Special Issue focuses on how to govern such transformations, and the technical tools that will be required, including analysis, modeling, and optimization for energy-efficiency and energy-saving throughout the full energy chain, from production to final consumption.

Guest Editors

Prof. Dr. Rubén Aldaco

Department of Chemical and Biomolecular Engineering, University of Cantabria, Avda. de los Castros s/n, 39005 Santander, Spain

Dr. Fresnedo San Roman

Department of Chemical and Biomolecular Engineering, University of Cantabria, Avda. de los Castros s/n, 39005 Santander, Spain

Deadline for manuscript submissions

closed (10 July 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/36722

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)