

Special Issue

Sustainable Manufacturing Systems Using Big Data

Message from the Guest Editors

Currently, many new technologies, such as energy-efficient cloud computing, energy internet, big data and knowledge management, have been integrated and widely applied to facilitate many national advanced design and manufacturing strategies. One of their common aims is to achieve smart design and manufacture, which is of great significance for sustainable development. However, without data support, and the support of data science and technology, “smart” cannot be achieved. However, the type of design and manufacturing that big data will generate in the entire lifecycle of a product is still unclear. Furthermore, deciding how to collect the useful data, as well as the extraction and utilization of useful information from such huge and dynamic databases for “big data”, is frightening. This has motivated researchers and practitioners to explore new methods and technologies for industrial applications of big data in sustainable design and manufacture.

Guest Editors

Prof. Dr. Yixiong Feng

Prof. Dr. Guangdong Tian

Dr. Amir M. Fathollahi-Fard

Prof. Dr. Zhiwu Li

Prof. Dr. Kamel Barkaoui

Deadline for manuscript submissions

closed (20 April 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/81981

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)