



Sustainable Manufacturing Systems Using Big Data Analytics

Guest Editors:

Prof. Dr. Guangdong Tian

Prof. Dr. Kuan Yew Wong

Dr. Amir M. Fathollahi-Fard

Dr. Maxim A. Dulebenets

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

There is a great deal of concern and interest in environmental sustainability with respect to carbon emissions, global warming, and toxic hazes nowadays. A sustainable design and manufacturing process for the manufacturing industry could not only reduce financial costs but also minimize carbon emissions and waste energy and maximize social factors.

This Special Issue of *Applied Sciences* invites experts in the field to provide high-quality articles and reviews with a focus on the design and development of novel algorithms, models, technologies, and tools for the creation of a sustainable manufacturing system using big data analytics. Topics of interest include, but are not limited to:

- Sustainable design methods and manufacturing technologies;
- Big data analytics and knowledge management for sustainable manufacturing systems;
- Addressing uncertainty for modeling a sustainable manufacturing system using big data analytics;
- Modeling and controlling manufacturing systems using big data;
- Big data analytics and data science algorithms for the demand prediction of new product design based on customer behavior.





applied

IMPACT
FACTOR
2.5

CITESCORE
5.3

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

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)