# Special Issue

# Sustainable Manufacturing Systems Using Big Data Analytics

## Message from the Guest Editors

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 sustainability.

## 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)

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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.

## Editor-in-Chief

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