Special Issue

Machine Learning, Materials Informatics and Other Emerging Technologies in Materials Science

Message from the Guest Editor

Computational materials science is continuously evolving and adapting new technologies to predict and reproduce experimental data, both qualitatively and quantitatively. The integration of machine learning has made the process of computation more efficient and flexible. Machine-learning-based models also require the handling of large datasets. Therefore, research in the emerging technologies can be divided into two categories. First, the developed methods can be implemented in various systems, and can be compared with available experimental data. The second way to make progress in this research area is to improve the present methodologies, both from theoretical and computational perspectives. The aim of this Special Issue is to investigate the latest research trends and recent development of the computational methods in materials science and engineering.

Guest Editor

Dr. Avik Mahata
School of Engineering, Brown University, Providence, RI 02912, USA

Deadline for manuscript submissions

closed (31 August 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 6.1

mdpi.com/si/135225

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 6.1

mdpi.com/journal/applsci

MDPI

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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (Fluid Flow and Transfer Processes)