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Advances in Materials: Modelling Challenges and Technological Progress for Green Engineering and Sustainable Development

Guest Editors:

Dr. Agnieszka Kijo-Kleczkowska

Prof. Dr. Wojciech Nowak

Prof. Dr. Jaroslaw Krzywanski

Prof. Dr. Marcio L. De Souza-Santos

Deadline for manuscript submissions:
30 November 2024

Message from the Guest Editors

Dear Colleagues,

Due to the increasing computational capability of current data processing systems and technological advancements, new opportunities have emerged in materials engineering. Methods that are highly demanding, time-consuming, and difficult to apply may now be considered when developing complete and sophisticated models in many areas of science and technology. The combination of computational methods and AI algorithms allows us to conduct multi-threaded analyses to solve advanced and interdisciplinary problems. This Special Issue aims to bring together research on material advances, focussing on modelling challenges and technological progress mainly for green engineering and sustainable development. Original research studies, as well as review articles and short communications, are welcome, especially those with a particular focus on (but not limited to) artificial intelligence, other computational methods, and state-of-the-art technological concepts related to the listed keywords within materials engineering.

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Message from the Editor-in-Chief

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