

Special Issue

Synthesis, Applications, and Optimization of Composite Materials in Industry and the Environment

Message from the Guest Editors

Traditional technologies may no longer be sufficient, and, in accordance with the principles of a sustainable economy, alternative production sources are sought in many areas of industry, from the production of substrates to entire materials, machines, and everyday products. All of these elements will be an important part of the future of production systems based on composites, recycling, polymers, and other waste materials or those based on modifications to production processes. This Special Issue devoted to the “Synthesis, Applications, and Optimization of Composite Materials in Industry and the Environment” will gather new research achievements in the fields of biomedical engineering; chemical engineering; materials engineering; mechanical engineering; medical biology; pharmaceutical sciences; agriculture and horticulture; biotechnology; and chemical sciences and topics that use modeling and simulation as an important component of the analysis of industrial production systems. Topics include, but are not limited to, the following: design of building materials; waste management; recycling in various industries; geopolymers and composites.

Guest Editors

Prof. Dr. Jerzy Z. Piotrowski

Dr. Anna Stepień

Dr. Iga Jasińska

Dr. Michał Breszka

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closed (25 July 2025)



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

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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