

Special Issue

Recent Advances in Foundry Engineering and Technology

Message from the Guest Editors

This Special Issue is dedicated to topics related to casting in its broadest sense. Due to the wide spectrum of issues, methods and technologies related to the production of castings, the influence of various parameters on the course of these processes, as well as the significant number of technical problems which can occur during the implementation of casting processes. We invite submissions of articles on topics including metallurgical and casting processes, modern technological solutions, automation of casting processes, the use of 3D printing in the production of models and castings, artificial intelligence, the commonly understood concept of Industry 4.0, and the modelling and simulation of casting processes, as well as the use and application of castings in various areas of the economy.

- foundry and foundry composites
- new materials and technologies
- 3D printing
- simulations of foundry processes
- control systems and artificial intelligence
- mechanization
- automation
- robotization of production
- pro-ecological technologies
- recycling of materials in foundry
- Industry 4.0
- improving the efficiency of material consumption

Guest Editors

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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.

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