

Special Issue

Foundry Materials and Technologies: Challenges and Future Trends

Message from the Guest Editors

The foundry industry is evolving in parallel with the evolution of other industries, as it tries to keep up with the ongoing changes in production processes. In the wake of the changes taking place, new solutions are sought in the areas of manufacturing technology, reducing labor and production costs, and using new materials in production. In the production halls, on the other hand, process engineers strive to improve the quality of finished products while maintaining optimal production costs. This Special Issue aims to cover all casting technologies and alloys (cast steel, cast iron, and non-ferrous alloys). Due to the topics covered in this Special Issue, we welcome articles on the application of modern solutions in casting production technology, 3D printing, the use of artificial intelligence, the generally understood concept of Industry 4.0 (applications of AI, IoT, and IIoT), modeling and simulation in casting processes, among others.

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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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