

## Special Issue

# Modern Foundry Materials and Technologies

### Message from the Guest Editors

The global increase in the number of castings produced has resulted in a growing demand for the latest specialist knowledge in the field of the foundry. The structure of cast elements is subject to dynamic changes, to reduce their weight and improve performance parameters. This is why we are looking for new solutions in the field of casting technology that will optimize the casting production process itself, reduce production costs, and ensure appropriate quality. This Special Issue aims to cover all foundry technologies and alloys (cast steel, cast iron, and nonferrous alloys). Due to the topics covered in this Special Issue, articles on the use of modern solutions in the technology of casting production are welcome. Topics covered may include the optimization of foundry production, methods of metal preparation, crystallization, the electromagnetic mixing of foundry alloys, and quality control. We invite you to submit original research papers or review articles that describe the current state-of-the-art within the scope of this Special Issue on 'Modern foundry materials and technologies'.

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### Guest Editors

Prof. Dr. Petr Louda

Prof. Dr. Marcin Stawarz

Prof. Dr. Grzegorz Gumienny

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### Deadline for manuscript submissions

closed (10 August 2023)



## Materials

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## About the Journal

### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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