

# Special Issue

## Advances in Design and Manufacturing in Die Casting and Metal Forming

### Message from the Guest Editors

Die casting and metal forming manufacturing are pivotal processes that are integral to the production of parts in, for example, the automotive, construction, aerospace, and electronics industries, amongst others. This is becoming more and more important nowadays, seeking resource efficiency towards near net shape production. This Special Issue aims to highlight the latest research and developments in die casting and metal forming manufacturing, along with part design and optimization by taking into account manufacturability constraints, providing a platform for researchers and practitioners to disseminate their latest findings and innovations in these fields. Research topics that are of interest for this Special Issue include, but are not limited to the following:

- Novel die casting techniques and technologies;
- Advanced forming processes and techniques;
- Integrated part and process design;
- Industry 4.0 applications;
- Advanced materials and alloys;
- Tooling design and innovations;
- Surface treatment and finishing of die equipment;
- Surface engineering and coatings.

### Guest Editors

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### Deadline for manuscript submissions

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## Machines

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## About the Journal

### Message from the Editor-in-Chief

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
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