## **Special Issue**

# Metal Additive Manufacturing: Advanced Processing-Structure-Property Relationships for Novel Alloys

## Message from the Guest Editors

This Special Issue aims to showcase high-quality comprehensive reviews and original research studies in the field of metal additive manufacturing, with a special focus on establishing advanced processing–structure–property relationships. Work on the following topics is welcome, though works on other related themes can also be submitted:

- Smart metal additive manufacturing assisted by datadriven approaches;
- Advanced solidification mechanisms in metal AM processes:
- Thermodynamic aspects of alloy design using metal AM methods;
- Functionally graded components specifically designed for AM methods;
- Performance–microstructure relationship analysis in metallic materials process via AM.

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## Deadline for manuscript submissions

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## About the Journal

## Message from the Editor-in-Chief

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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