

## Special Issue

# The Additive Manufacturing of Metallic Alloys

### Message from the Guest Editors

The development of advanced metallic alloys can lead to improved industrial technologies and products for use in aerospace, medical science, electronics, construction, etc. With the assistance of additive manufacturing (AM, also known as 3D printing), scientists further discovered the possibility to efficiently create complex geometries, lightweight designs and unique mechanical properties. However, there are still major challenges to be overcome within this attractive research topic. This Special Issue focuses on interesting research advances in the field of AM-prepared metallic alloys. Either a fundamental or engineering study is acceptable, as long as the work helps to tackle a specific barrier that hinders the development of metallic alloys fabricated via AM, or reports any novel discovery that is of particular interest to the relevant communities. Potential topics include, but are not limited to:

- Material development;
- Process and/or post-treatment optimization;
- Microstructural characterization and analysis;
- Modeling and simulation techniques;
- Quality control and sustainability.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 March 2025)



## Materials

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### 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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