

## Special Issue

# Processing–Microstructure–Property Relationships in Non-Ferrous and Functional Alloys

### Message from the Guest Editors

This Special Issue aims to present recent advances in processing–microstructure–property relationships in non-ferrous and functional alloys, with particular emphasis on aluminum- and copper-based systems, shape memory alloys and related advanced metallic materials. We welcome experimental, computational and combined studies that clarify how processing routes influence grain refinement, texture, precipitation, phase transformations, defect structures and degradation mechanisms. Contributions may address mechanical, functional, tribological or electrochemical performance and should provide a clear connection between the applied process, the resulting microstructure and the measured properties. Particular interest is placed on advanced characterization, multiscale modelling, computational alloy design and data-driven approaches supporting microstructure engineering. The scope is centred on material-level mechanisms and alloy development rather than component-scale structural integrity.

### Guest Editors

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### Deadline for manuscript submissions

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## Materials

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### Message from the Editor-in-Chief

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