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# **High-Performance Metallic Materials**

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## **Message from the Guest Editors**

Dear Colleagues,

In this Special Issue, we aim to receive papers that systematize processing–structure–property relationships in high-performance metallic materials through systematic examinations and analyses for macro-, micro-, and nanostructures evolved during the plastic deformation concomitant with both severe plastic deformation (i.e., cold and hot forging, rolling, extrusion, swaging, wire drawing, and hot pressing), as well as additive manufacturing. In addition, we are seeking studies that combine simulations and experiments to investigate high-performance metallic materials fabricated by advanced processing technology.

- The development of novel high functional metallic alloys;
- 2. The high-temperature strength and plastic deformation of superalloys;
- 3. The phase transformation and hot deformation behaviours of light metals (i.e., Mg and Al).
- 4. The microstructural control and deformation processing of structural titanium alloys;
- 5. The additive manufacturing and computer simulations of microstructural evolution.











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## **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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