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# **Welding and Processing in Alloy Manufacturing**

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Deadline for manuscript submissions: **closed (20 May 2023)** 

## **Message from the Guest Editors**

Dear Colleagues,

Welding, also known as materials joining engineering, is an important material processing technology. In order to obtain high-quality welded joints with excellent performance and controllability, it is necessary to clarify the weldability of materials, welding metallurgy, design of structures, welding processes, etc.

On the other hand, additive manufacturing (AM) process has many similarities with the conventional welding process, that is, the feedstock forms a high-temperature molten pool under the action of a high-energy density heat source.

This Special Issue aims to enrich the global exchange of scientific activities in alloy welding and additive manufacturing. Topics that are appropriate for this Special Issue include, but are not limited to, alloy welds, microstructure and mechanical properties of HAZ, weldability of alloys, welding metallurgy principles, welding cracking, constitution of weld metals, development and behavior of filler metals, metallurgy of additive manufactured components and process of welding or additive manufacturing.













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

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